


ATP S170 Register

<i>SHI No.:</i> 4745 001	<i>Name:</i> Davy Press	<i>Location:</i> 1N 12E	
<i>Markings</i>	'DAVY BROs LTd / SHEFFIELD / ENGLAND / 1920 / PATENT Nos 5465 / 5466 . 6426' 'PTCNSW / PH-815-EVE / S/O [blank]' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 1. ATP500. SRA8682.		

Description:

The Davy Press is a massive cast iron and steel structure about 4 metres long, 2.5 metres wide and standing in excess of 6 metres tall. It consists of a base which is mounted below floor level, a massive cast iron crown and a crosshead. The crown holds the lift or return valve and the hydraulic valves and gland for the main shaft. The crosshead is allowed to slide on four massive shafts and it is direct coupled to the main piston and to the main upper die. The lower die is mounted on the framework of the bottom platform.

Significance:

The Davy Press was installed in the workshops in 1926 to facilitate the working of larger pieces of metal. The Press was the largest hydraulic press installed in Australia and represented a major technological upgrade to the Workshops, taking over the work of some of the smaller steam hammers. The Press was operated by a team of skilled operators and the Davy Press assemblage demonstrates the challenge in manipulating large pieces of metal. The Press is a rare piece of industrial technology in its own right as well as an evocative symbol of the scale of the industry that once operated at the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1926

Until the advent of hydraulic presses much forging was done with steam hammers which applied sudden loads to the metal blank. Hydraulic presses, powered from accumulators which provided an artificial head, gave steady, controlled pressure. Steam hydraulic presses, introduced in the 20th century were able to supply far greater force than the regular hydraulic powered presses. Steam hydraulic presses were of the Haniel Lueg and Davy Bros Patent. Both were fitted with steam intensifiers which allowed the magnification of the final press. The steam intensifier of the Davy Press stood alone as a separate item and the high pressure fluid was supplied through piping. Steam hydraulic presses were supplied in capacities of 100-1500 tonnes, with 1500 tonnes being regarded suitable for very heavy engineering work. The 1500 ton Davy Press at Eveleigh was installed in 1926 and remained in its present location ever since. No major modifications have taken place except to the original boilers.

At Eveleigh all heavy forgings for bogey frames, steam hammer shafts and piston assemblies, forged crane wheels and a large variety of forms which involved punching, pressing and die forming were done with the Davy. As the piston in the intensifier rose, water was emitted from the hydraulic reservoir. This inlet valve was closed, steam was admitted to the intensifier and water at enormous pressure was then admitted into the head of the press. The forger, or foreman, was in charge of the operation and he directed from the side. The operator or blacksmith controlled the valves and the lever and there were a series of men who manipulated the billet being forged through the balanced tongs.

(GML 1996)

Designer/Builder: Davy Brothers

Current Use: Display

Modification(s): No major modifications have taken place except to the original boilers.

Former Uses: Workshop Machinery

Physical Condition:

In general, the condition of the Davy Press is sound. The external surface has patches of superficial rust, spalling paint and bare metal. The pipe work appears to be intact.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item

ATP S170 Register

should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

References:

, .

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 1.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 1.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745001

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 22 Aug 2008 Status: Basic



File: 4745001_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745001_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 002	<i>Name:</i> Davy Steam Intensifier	<i>Location:</i> 1N 11E	
<i>Markings</i>	'DAVY BROs Ltd / SHEFFIELD / 1919 / ENGLAND / PATENT Nos 5465-5466-6426 // OTHER PATENTS APPLIED FOR' N.S.W.G.R. / No. 815 / Class PH		
<i>Other ID nos</i>	1996 inventory no: 2. ATP501.		

Description:

The Davy Steam Intensifier provided the power for the operation of the Press. It is a cast iron and steel cylinder which stands about 3 metres high and is mounted on a concrete plinth which is 400mm high and square with 1.5 mm sides. It is set over a 5m deep pit covered with chequered metal plate. The upper portion of the cylinder is covered in lagging with a sheet metal cover.

Significance:

The Steam Intensifier is an integral part of the Davy Press assemblage and demonstrates the complex nature of the system that was required to operate the Press.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1926

The steam intensifier was mounted in this position in 1926 when the Davy Press was installed in Bay 1 North. It has remained in this position, largely unmodified since that time. The intensifier supplied high pressure fluid to the Davy Press. Steam was admitted to the crown and through a series of valves and rams the steam pressure was intensified in the hydraulic fluid. The hydraulic fluid is then allowed into the ram of the Davy Press via the main valve which is controlled through a lever by the operator or blacksmith.

Current Use: Display

Modification(s): It has remained in this position in basically unmodified form.

Former Uses: Workshop Machinery

Physical Condition:

In general, the Davy Steam Intensifier is in a sound condition and all pipe work appears to be intact. The external surface has patches of superficial rust, spalling paint and bare metal and is generally covered in grime and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 2.

ATP S170 Register

- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'.
Reference: 2.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745002
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745002_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745002_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 003	<i>Name:</i> Davy Hydraulic Reservoir	<i>Location:</i> 1N 12E	
<i>Other ID nos</i> 1996 inventory no: 3. ATP502. SRA8684.			

Description:

The Reservoir is similar in construction to a boiler or air receiver shell and is riveted in three sections. It stands on four feet which have been riveted to the boiler shell. The Reservoir contains the hydraulic fluid which is supplied to the Press system. The cylinder of the Reservoir is about 1.5 metre in diameter and stands about 4 metres high. It is mounted on four large concrete lugs above a pit.

Significance:

The Hydraulic Reservoir is an integral part of the Davy Press assemblage and demonstrates the complex nature of the system that was required to operate the Press.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1926

The Hydraulic Reservoir was installed with the Davy Press in 1926. It has remained in this location as far as is known with no major modifications for that period. The Reservoir contained spare hydraulic fluid which was necessary for various pressing operations. Fluid was admitted to the system by means of a valve controlled by the operator or blacksmith.

Current Use: Display

Modification(s): It has remained in this location as far as is known with no major modifications for that period.

Former Uses: Workshop Machinery

Physical Condition:

The Davy Steam Hydraulic Reservoir is in a sound condition and all pipe work appears to be intact. The external surface has patches of superficial rust, spalling paint and bare metal and is generally covered in grime and dust. The NSW Government plate has been removed. There is some rubbish in the pit.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 3.

ATP S170 Register

- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'.
Reference: 3.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745003
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic



File: 4745003_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745003_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 004	<i>Name:</i> Davy Steam Reservoir	<i>Location:</i> 1N 10E	
<i>Markings</i>	'BOURDON / PRESSURE GAUGE / [0-300] Hos. Pr. // DS&C'		
<i>Other ID nos</i>	1996 inventory no: 4. ATP503.		

Description:

The Additional Volume Steam Reservoirs are two horizontally mounted, centrally joined, cylindrical steam receivers mounted on a C Section and universal section steel frame. The frame itself is supported on a concrete platform. Steam is admitted to the north side of the lower reservoir and passes out through the north side of the upper reservoir. Both cylinders are lagged and covered with a badly deteriorated sheet metal sheathing. A pressure gauge is mounted adjacent to the bottom reservoir.

Significance:

The Steam Reservoir is an integral part of the Davy Press assemblage and demonstrates the complex nature of the system that was required to operate the Press.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1926

When the Davy Press was introduced in 1926 two small dedicated furnace/boilers were mounted in holes knocked in the east wall of the workshops. The furnace boilers were fired from an elevated firing floor with coal. Heat passed through the furnace heating steel billets then through the boiler to provide steam for the Davy Press system. Smoke exhausted through two short steel stacks. Each furnace/boiler was fired on alternate days. Heating a cold billet of steel took a full day. When the billet was removed the brick furnace lining was also removed and had to be rebuilt to take the next billet. When these furnace/boilers were subsequently removed, the steam reservoirs were introduced in the opening in row 10 and the number 1 boiler in the south annexe of Bay 2 was dedicated to the Davy Press. The steam reservoirs supplied additional volume of steam at the pressure of about 120psi; the steam being admitted to the steam intensifier of the Davy Press by the operation of the main valve.

Current Use: Display

Modification(s): Asbestos lagging appears t have been removed.

Former Uses: Workshop Fixture

Physical Condition:

The Davy Steam Reservoir is in poor condition. The sheet metal cover is heavily corroded and bears several large holes. The lower sheath is buckled. Temporary repairs have been made with bailing wire, polyester string and plastic garbage tucked within corroded gaps.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Specific Recommendations:

- 1 Re-sheet
- 2 Check for Absestos

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 4.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 4.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745004

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745004_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745004_1t.jpg

ATP S170 Register

SHI No.: 4745 005	Name: Balanced Billet Holder A	Location: 1N 13E	
Other ID nos 1996 inventory no: 5a.			

Description:

Cast iron rod, 480cm long with a square-inset cylindrical holding device at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 5.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745005

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register




File: 4745005_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745005_1t.jpg



File: 4745005_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745005_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 006	<i>Name:</i> Davy Work in Progress 1	<i>Location:</i> 1N 15W	
<i>Other ID nos</i>	1996 inventory no: 6a. ATP515.		

Description:

Mixed assemblage of approximately 50 partially forged crane wheels, punches, dies and swages, on a recent concrete slab. Most items are steel with several cut timber mounts mixed into the collection. The timber mounts were probably used to stack or hold the work in progress. 2 small metal forging tables are mixed into the collection.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of all of these items is unknown but it is assumed that they were amongst the last items which were forged on the Davy Press.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

All collections are unsorted jumbles with evidence of rust to varying degrees.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 6a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 6.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745006

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745006_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745006_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 007	<i>Name:</i> Steel Spacer Trays	<i>Location:</i> 1N 9E	
<i>Other ID nos</i> 1996 inventory no: 7. ATP506.			

Description:

Two trays of heavy cast iron foundry moulds or crucibles reused for storage. The trays formerly held steel spacers: scraps of iron or steel, flat with two parallel sides which are used to block the descent of the top die of the Davy Press. (The amount of travel by the cross head can only be prevented by manual means. This is achieved by stacking the spacers on the bottom anvil to the desired height.) Each tray measures 154cm (L) x 51cm (W) x 31cm (H).

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It demonstrates the tendency to reuse materials within the workshop for other purposes when they have reached the end of their original useful life.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the trays themselves is unknown, but there were probably cast in the Workshops. In 1995, they held an unknown quantity of spacers considered to 'have possibly been used since 1926' (GML 1996).

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the Steel Spacer Trays are in sound condition. They bear some minor surface corrosion and flaking paint.

Recommended Management:

These items should be retained. They may be reused to store small steel spacers in the Davy Press Assemblage if required.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 The Spacers should be located and returned to these trays
- 2 The trays should be kept together

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 7.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 7.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745007

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745007.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745007t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 008	<i>Name:</i> Metal Case of Shims	<i>Location:</i> 1N 10E	
<i>Other ID nos</i>	1996 inventory no: 8.		

Description:

Case of approximately 100 shims and pieces of scrap metal. The case is constructed of sheet metal. It has two tiers with 8 compartments (5 on top, 3 on bottom) and 4 hinged doors set at a 45 degree angle. The shims consist of sections of plate and sheet of different thickness placed in the various divisions of the metal case. Each of the shims measures about 200-300 mm long by 100-200mm wide.

Significance:

The case of shims is part of the Davy Press assemblage. It demonstrates the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the case is unknown but it was probably made on site. It is possible that the shims have been associated with the Davy Press since 1926. They were placed one on top of another by the forger or his assistant, usually in conjunction with the steel spacers to allow the descent of the Press to be checked at a specific height.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the Metal Case of Shims is in sound condition and is currently propped up on timber struts. It bears substantial surface corrosion but is otherwise sound.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 8.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 8.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745008

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register




File: 4745008_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745008_1t.jpg



File: 4745008_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745008_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 009	<i>Name:</i> Balanced Special Holder	<i>Location:</i> 1N 11E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 9a. ATP505.		

Description:

Special holder for use within the crane. The rings and hooks of the special holder were used to sling the tongs at the correct height to allow material of smaller size to be manipulated under the Davy Press (GML 1996).

Significance:

The balanced special holder is an important component of the Davy Press assemblage. It demonstrates the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the holder is unknown but it is believed that they have been associated with the operations of the Davy Press since 1926. The rings and hooks of the special holder were used to sling the tongs at the correct height to allow material of smaller size to be manipulated under the Davy Press (GML 1996).

Designer/Builder: Unknown

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the holder is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 9a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 9.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745009

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745009_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745009_1t.jpg



File: 4745009_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745009_2t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 010	Hand Trolley for Hot Work (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 10.

Description:

The Hand Trolley is virtually a small wheelbarrow with a steel shaft on which two cast iron wheels about 400mm in diameter are mounted. These six spoked flanged wheels were cast in the Eveleigh Workshops. A small tray measuring about 500mm by 500mm of half inch plate is mounted on two brackets along with a 3 metre long handle. The trolley was used for manipulating and for moving hot work around the floor of the workshop.

Significance:

Not located, presumed disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown although it may be as old as the Davy Press.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 1N 11E

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.: 4745 011	Name: Warning Signs for Davy Press	Location: 1N 11W	
Markings	'WARNING / WHEN DAVEY [sic] PRESS / IS OPERATING DO NOT / PASS THIS WAY'		
Other ID nos	1996 inventory no: 11. ATP510.		

Description:

Two sheet-and-bar metal signs with disc feet bearing a warning not to enter the Davy Press area when the machine was in operation. They are yellow with black and red font and 'Davy' is misspelt. The signs measure 90cm (L) x 100cm (H).

Significance:

The item is an integral part of the Davy assemblage and contributes to its understanding and interpretation.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The date of construction of these signs is not known but they are probably the last of a long line of signs that were erected in various parts of the Workshop when large machines were in use. One was placed at the north end of the press and the other was placed at the south end of the press area to warn other staff to stay away while the press and ancillary items were in operation.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the Warning Signs for Davy Press are in sound condition despite being worn with use and bearing minor surface corrosion.

Recommended Management:

These items should be retained together, near the Davy Press.

These items should be maintained in a non-operational condition for static display purposes. They should be kept dry and under cover at all times. Where the items are a part of an assemblage or a collection, they should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The items should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Keep together

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 12.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 11.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745011

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745011.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745011t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 012	<i>Name:</i> Punches, Dies and Swage Blocks	<i>Location:</i> 1N 12E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 12.		

Description:

There is a number of Punches and dies which were used for pressing holes into large sectioned hot steel billets. The dies were placed on the anvil of the Davy Press. The Punch placed immediately above and the Punch was then forced or pressed through the hot metal. There are 12 Dies and Punches in this group. Some of the Punches were simply rested on the metal billet while others were held in place with a pair of tongs. There are also 6 swages in this group of materials, mixed with several dozen small pieces of scrap metal and hand tools.

Significance:

This collection of Punches, Dies and Swage Blocks is an important component of the Davy Press assemblage. It demonstrates the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these items is unknown but it would appear that many of them are of a considerable age and show extensive wear.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

The external surface of the item has patches of superficial rust and bare metal. The item exhibits heavy rust in places. Bird droppings

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 13.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 12.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745012

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745012.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745012t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 013	<i>Name:</i> Lock Pins and Wedges for Crane Tongs	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 13. ATP512.		

Description:

The Lock pins are slotted pins about 600mm long and about 30mm in diameter. There is a round pin at one end and the other end is slightly tapered. The slot is usually 100-150mm long and about 8mm wide. The pins are stored in 6 metal buckets along with a variety of washers and small metal pieces.

Significance:

These items are a part of the Davy Press assemblage and assist in the interpretation of the operation of this area of the Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the items is unknown but it would appear that they are possibly as old as 40 years.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

The external surface of the item has patches of superficial rust and bare metal. The metal buckets exhibit heavy rust in places.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 14.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 13.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745013

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745013.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745013t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 014	<i>Name:</i> Stack of Assorted Metal Pieces	<i>Location:</i> 1N 12E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 14.		

Description:

The metal pieces on this small rack, which consists of two lengths of railway track on the ground were used variously for holding sections of material and also as the block and die for specific forging techniques.

Significance:

This collection of tools is representative of the range of tools used in the Hammer Shop and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these items is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

The external surface of the item has patches of superficial rust and bare metal. The item exhibits heavy rust in places.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 15.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 14.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745014

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745014.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745014t.jpg



File: 4745014.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745014t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 015	<i>Name:</i> Unfinished Steam Hammer Shaft 1	<i>Location:</i> 1N 14E	
<i>Other ID nos</i> 1996 inventory no: 15a.			

Description:

A forged steam hammer shaft, 186cm long and 40cm wide. The head is 35cm in diameter and 19cm long; the shaft is 20cm in diameter.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This item is typical of the large objects which would have been manufactured within the site from steel billets. Its date is unknown most likely dates from the later phase of the operation of the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the shaft is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 16.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 15a.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745015

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745015_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745015_1t.jpg



File: 4745015_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745015_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 016	<i>Name:</i> Collection of crane slings	<i>Location:</i> 1N 11W	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 16.		

Description:

Collection of three crane slings, three wire slings and a hemp rope sling. These items are located on a crane sling frame close to the east wall of the Bay 1 North. They would have been used with the overhead travelling crane and jib cranes throughout the workshops.

Significance:

The collection of crane slings is an important component of the Davy Press assemblage. It demonstrates the complex nature of the system that was required to operate the Press and the manual handling of materials being worked.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The chains in the slings were used to hold and lift the balanced holders as they moved items around the Davy Press space. They were also used for slinging raw material from the trolleys which ran on the central road.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the collection of crane slings is in sound condition as interpretive items. They should not be used for lifting. They bear minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 17.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 16.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745016

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745016_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745016_1t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 017	Collection of Large Circular Dies, Swages, Punches and Spanners	1N 13W

<i>Markings</i>	NA
<i>Other ID nos</i>	1996 inventory no: 17.

Description:

These items are in a rough pile against the central columns. There are a number of dies similar to the ones which have been mentioned as Item 12 and there are a set of swages for general forming work and two exceptionally large forged spanners, the purpose of which is unknown.

Significance:

This collection of tools is representative of the range of tools used in the Hammer Shop and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the items is unknown. The swages, dies and punches were all used for forming metal on the Davy Press.

<i>Current Use:</i>	Display
<i>Former Uses:</i>	Workshop Tool

Physical Condition:

The external surface of the item has patches of superficial rust and bare metal. The item exhibits heavy rust in places.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:


- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 18.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 17.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745017
-

<i>Data Entry:</i>	<i>Date First Entered:</i> 8 Feb 2008	<i>Date Updated:</i> 7 Jul 2008	<i>Status:</i> Basic
--------------------	---------------------------------------	---------------------------------	----------------------

ATP S170 Register

<i>SHI No.:</i> 4745 018	<i>Name:</i> Maintenance Tool Cabinets for the Davy Press	<i>Location:</i> 1N 12W	
<i>Other ID nos</i> 1996 inventory no: 18. ATP517.			

Description:

These three cabinets are lockable, steel-framed and sheet-steel-clad cabinets, measuring 305cm (L) x 47cm (W) x 190cm (H) in total. There are five doors in total and two hooks at end each end to allow for the cabinets to be moved about with the overhead crane. Approximately 130 tools are stored in the cabinets. Cabinet 1 has four shelves holding mostly spanners with some bolts and shims (75 items). Cabinet 2 has 3 large hooks with 16 socket wrenches, 1 double hook with 10 large spanners and template, and miscellaneous bolts, tools, spanners (40 odd items in total). Cabinet 3 has 2 shelves with 16 large spanners and a template.

Significance:

The item is an integral part of the Davy Press assemblage. The item assists in understanding the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is unknown when the cabinets were installed in Bay 1 but they were most recently used to hold tools for maintaining the Davy Press and its associated items. It is likely the cabinets were manufactured in the workshops.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the cabinets are in sound condition, despite being worn and buckled from use and bearing minor surface corrosion.

Recommended Management:

These items should be retained together, near the Davy Press.

These items should be maintained in a non-operational condition for static display purposes. They should be kept dry and under cover at all times. Where the items are a part of an assemblage or a collection, they should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The items should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 19.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 18.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745018

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745018_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745018_1t.jpg



File: 4745018_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745018_2t.jpg

ATP S170 Register



File: 4745018_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745018_3t.jpg



File: 4745018_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745018_4t.jpg

ATP S170 Register



File: 4745018_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745018_5t.jpg

ATP S170 Register

SHI No.: 4745 019	Name: Equalising Beams for Diesel Locomotives	Location: 1N 12W	
Other ID nos 1996 inventory no: 19.			

Description:

Ten equalising beams, 7 have been forged and machined while 3 are in a roughly forged state. The complete beams measures 219cm (L) x 9cm (W) x 67cm (H).

Significance:

The item is a part of the Davy assemblage and indicate the type of work which could be done on the Davy Press.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of these items is unknown but they are likely to represent the 'work-in-progress' of one of the last jobs put through the Davy Press before the Workshops close down in 1989.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the beams are in a sound condition, despite some surface corrosion.

Further Information:

In 1995 there were 11 items; only 10 in 2008.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 20.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 19.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745019

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register



File: 4745019.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745019t.jpg



File: 4745019_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745019_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 020	<i>Name:</i> Rack of Swages and Fullers	<i>Location:</i> 1N 12W	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 20. ATP519.		

Description:

Steel bar rack with sections of railway track as uprights. Approximately 85 hand-held swages and fullers (most with steel handles which are in excess of 2 metres long), iron bar and other tools currently hang from or rest against the rack. This number includes a crane sling and a string of washers. The rack measures 300cm (L) x 13cm (W) x 150cm (H).

Significance:

This collection of tools is representative of the range of tools used in the Blacksmith Shop and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it appears to be of a considerable age. It was used to store and organise the hand-held swages and fullers for use with the Davy Press. The swages themselves allowed the operator or blacksmith to hold the item and stay well away from the hot metal while forging of a large variety of complex shapes. Quite often two of the items would be used simultaneously to allow metals to be bent or shaped around dies.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack and tools are in a sound condition, despite some surface corrosion.

Further Information:

There were said to be 77 items on the rack in 1995. At least 84 in 2008.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 21.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 20.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745020

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745020_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745020_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 021	<i>Name:</i> Rack of Tongs and Swages	<i>Location:</i> 1N 11W	
<i>Other ID nos</i> 1996 inventory no: 21.			

Description:

Steel bar rack with railway tracks as uprights, set in concrete. Approximately 33 sets of tongs hang from the rack and an additional 50 swage blocks rest against each side. The rack measures 300cm (L) x 13cm (W) x 150cm (H).

Significance:

This collection of tools is representative of the range of tools used in the Blacksmith Shop and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it appears to be of a considerable age. It was used to store and organise the tongs, swages and other hand-held tools which were used to manipulate hot metal prior to, during and after its being worked on the Davy Press. The tongs which were used for holding hot metal as it was being fastened onto the long balanced holders or as it was being worked on the Press.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack and tools are in a sound condition, despite some surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 22.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 21.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745021

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008


Status: Basic

ATP S170 Register



File: 4745021_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745021_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 022	<i>Name:</i> Rack of Mixed Swages, Fullers, Templates and Hotsets	<i>Location:</i> 1N 11W	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 22. ATP521.		

Description:

Steel bar rack with railway tracks as uprights. Approximately 48 sets of tongs, 2 templates (one for a one ton loco) and 15 swage blocks and other tools hang from the rack or rest against it. The rack measures 300cm (L) x 13cm (W) x 150cm (H).

Significance:

This collection of tools is representative of the range of tools used in the Blacksmith Shop and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it appears to be of a considerable age. It was used to store and organise a range of tooling used to cut and form items being worked on the Davy Press. These items were hand held and manipulated as the cross head of the Davy Press, bearing a die forced the swage fuller or hotset onto the metal being worked.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack and tools are in a sound condition, despite some surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 23.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 22.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745022

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745022_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745022_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 023	<i>Name:</i> Collection of Swage Blocks and Dies for the Davy Press	<i>Location:</i> 1N 10-11W	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 23. ATP522.		

Description:

Collection of 26 swage blocks and dies for the Davy Press in various shapes, measuring up to 90cm long. All of the die blocks and swages are fitted with a dove-tailed head which allows them to be fitted snugly into the crosshead mounting on the Davy Press. Some of these items come in pairs as a die and an anvil whereas others come as a two-die set for hot forging.

Significance:

The item is an integral part of the Davy assemblage and assists in illustrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that all of these items were supplied with the Davy Press although it is likely that some were cast at the workshops (GML 1996). The dies, die sets and swages are fitted into the dove-tailed slot in the Davy Press crosshead and base and wedged into place with steel wedges. The heated billets or material being formed is in place between the faces of the dies or anvils or swage blocks and formed when the pressure is applied to the crosshead.

Designer/Builder: Davy Brothers / Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the items are in a sound condition, despite some surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 24.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 23.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745023

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008


Status: Basic

ATP S170 Register



File: 4745023.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745023t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 024	<i>Name:</i> Metal Work Table for Davy Press	<i>Location:</i> 1N 13E	
<i>Other ID nos</i>	1996 inventory no: 24a.		

Description:

Small metal tables comprised of a thick metal plate bolted to four steel-plate legs with inward splays turned at perpendicular angles. Two legs bear a Z-shaped twist for additional stability. The table measures 92cm (L) x 51cm (W) x 63cm (H).

Significance:

The item is an integral part of the Davy Press assemblage and assists in illustrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the table is unknown, but it was probably built in-house. It was most recently used in association with the Davy Press. This and other tables were sturdy yet light enough to be moved manually around the workshops to temporarily place hot metal while the grips of the large holders were attached to them.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the table is in sound condition despite being worn from use and bearing some surface corrosion.

Recommended Management:

This item should be retained, near the Davy Press.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 25.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 24a.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745024


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745024_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745024_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 025	<i>Name:</i> Furnace for Davy Press Billets	<i>Location:</i> 1N 15E	
<i>Markings</i>	'PTCNSW / FR93-EVE'		
<i>Other ID nos</i>	1996 inventory no: 25. ATP523. SRA8686.		

Description:

This large furnace measures about 5 metres long, 4 metres wide and 2 metres high. It is fitted with two steel framed counter-balanced doors which are operated by chain driven pulleys. The furnace itself is steel-framed and lined with fire brick. The furnace has been converted from oil-fired to gas and bears three Eclipse brand gas burners. Asea electric motors drive the blowers and temperature control unit. Instruction notices from AGL Sydney dating to the 1980s are still intact.

Significance:

This item is an integral part of the Davy assemblage and demonstrates an important part of the process of working large pieces of metal within the press.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the furnace is unknown but it is believed that this was installed around the time that the furnace/boilers were removed from their position immediately inside the east wall, adjacent to the Davy Press. The furnace was installed to service the Davy Press. Raw billets for the Press were placed inside the furnace using balanced tongs, the doors were fastened in place and the item heated, often overnight. The heated billet was removed with a wedge spade billet holder and it was operated in much the same way as a garden spade. The furnace continued in use until the 1980s.

Current Use: Display

Modification(s): Gas conversion?

Former Uses: Workshop Machinery

Physical Condition:

The Furnace is in sound condition with all its pipe work intact. There is a crack in the front door. The external surface has patches of superficial rust and bare metal. In 1996 the internal lining was reported to be in fair condition and almost complete.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

1. Fieldwork, 2008, by [Name], 2. ATP S170, 2008, by [Name], 3. [Name], 2008, 4. [Name], 2008, 5. [Name], 2008, 6. [Name], 2008, 7. [Name], 2008, 8. [Name], 2008, 9. [Name], 2008, 10. [Name], 2008, 11. [Name], 2008, 12. [Name], 2008, 13. [Name], 2008, 14. [Name], 2008, 15. [Name], 2008, 16. [Name], 2008, 17. [Name], 2008, 18. [Name], 2008, 19. [Name], 2008, 20. [Name], 2008, 21. [Name], 2008, 22. [Name], 2008, 23. [Name], 2008, 24. [Name], 2008, 25. [Name], 2008, 26. [Name], 2008, 27. [Name], 2008, 28. [Name], 2008, 29. [Name], 2008, 30. [Name], 2008, 31. [Name], 2008, 32. [Name], 2008, 33. [Name], 2008, 34. [Name], 2008, 35. [Name], 2008, 36. [Name], 2008, 37. [Name], 2008, 38. [Name], 2008, 39. [Name], 2008, 40. [Name], 2008, 41. [Name], 2008, 42. [Name], 2008, 43. [Name], 2008, 44. [Name], 2008, 45. [Name], 2008, 46. [Name], 2008, 47. [Name], 2008, 48. [Name], 2008, 49. [Name], 2008, 50. [Name], 2008, 51. [Name], 2008, 52. [Name], 2008, 53. [Name], 2008, 54. [Name], 2008, 55. [Name], 2008, 56. [Name], 2008, 57. [Name], 2008, 58. [Name], 2008, 59. [Name], 2008, 60. [Name], 2008, 61. [Name], 2008, 62. [Name], 2008, 63. [Name], 2008, 64. [Name], 2008, 65. [Name], 2008, 66. [Name], 2008, 67. [Name], 2008, 68. [Name], 2008, 69. [Name], 2008, 70. [Name], 2008, 71. [Name], 2008, 72. [Name], 2008, 73. [Name], 2008, 74. [Name], 2008, 75. [Name], 2008, 76. [Name], 2008, 77. [Name], 2008, 78. [Name], 2008, 79. [Name], 2008, 80. [Name], 2008, 81. [Name], 2008, 82. [Name], 2008, 83. [Name], 2008, 84. [Name], 2008, 85. [Name], 2008, 86. [Name], 2008, 87. [Name], 2008, 88. [Name], 2008, 89. [Name], 2008, 90. [Name], 2008, 91. [Name], 2008, 92. [Name], 2008, 93. [Name], 2008, 94. [Name], 2008, 95. [Name], 2008, 96. [Name], 2008, 97. [Name], 2008, 98. [Name], 2008, 99. [Name], 2008, 100. [Name], 2008, 101. [Name], 2008, 102. [Name], 2008, 103. [Name], 2008, 104. [Name], 2008, 105. [Name], 2008, 106. [Name], 2008, 107. [Name], 2008, 108. [Name], 2008, 109. [Name], 2008, 110. [Name], 2008, 111. [Name], 2008, 112. [Name], 2008, 113. [Name], 2008, 114. [Name], 2008, 115. [Name], 2008, 116. [Name], 2008, 117. [Name], 2008, 118. [Name], 2008, 119. [Name], 2008, 120. [Name], 2008, 121. [Name], 2008, 122. [Name], 2008, 123. [Name], 2008, 124. [Name], 2008, 125. [Name], 2008, 126. [Name], 2008, 127. [Name], 2008, 128. [Name], 2008, 129. [Name], 2008, 130. [Name], 2008, 131. [Name], 2008, 132. [Name], 2008, 133. [Name], 2008, 134. [Name], 2008, 135. [Name], 2008, 136. [Name], 2008, 137. [Name], 2008, 138. [Name], 2008, 139. [Name], 2008, 140. [Name], 2008, 141. [Name], 2008, 142. [Name], 2008, 143. [Name], 2008, 144. [Name], 2008, 145. [Name], 2008, 146. [Name], 2008, 147. [Name], 2008, 148. [Name], 2008, 149. [Name], 2008, 150. [Name], 2008, 151. [Name], 2008, 152. [Name], 2008, 153. [Name], 2008, 154. [Name], 2008, 155. [Name], 2008, 156. [Name], 2008, 157. [Name], 2008, 158. [Name], 2008, 159. [Name], 2008, 160. [Name], 2008, 161. [Name], 2008, 162. [Name], 2008, 163. [Name], 2008, 164. [Name], 2008, 165. [Name], 2008, 166. [Name], 2008, 167. [Name], 2008, 168. [Name], 2008, 169. [Name], 2008, 170. [Name], 2008, 171. [Name], 2008, 172. [Name], 2008, 173. [Name], 2008, 174. [Name], 2008, 175. [Name], 2008, 176. [Name], 2008, 177. [Name], 2008, 178. [Name], 2008, 179. [Name], 2008, 180. [Name], 2008, 181. [Name], 2008, 182. [Name], 2008, 183. [Name], 2008, 184. [Name], 2008, 185. [Name], 2008, 186. [Name], 2008, 187. [Name], 2008, 188. [Name], 2008, 189. [Name], 2008, 190. [Name], 2008, 191. [Name], 2008, 192. [Name], 2008, 193. [Name], 2008, 194. [Name], 2008, 195. [Name], 2008, 196. [Name], 2008, 197. [Name], 2008, 198. [Name], 2008, 199. [Name], 2008, 200. [Name], 2008, 201. [Name], 2008, 202. [Name], 2008, 203. [Name], 2008, 204. [Name], 2008, 205. [Name], 2008, 206. [Name], 2008, 207. [Name], 2008, 208. [Name], 2008, 209. [Name], 2008, 210. [Name], 2008, 211. [Name], 2008, 212. [Name], 2008, 213. [Name], 2008, 214. [Name], 2008, 215. [Name], 2008, 216. [Name], 2008, 217. [Name], 2008, 218. [Name], 2008, 219. [Name], 2008, 220. [Name], 2008, 221. [Name], 2008, 222. [Name], 2008, 223. [Name], 2008, 224. [Name], 2008, 225. [Name], 2008, 226. [Name], 2008, 227. [Name], 2008, 228. [Name], 2008, 229. [Name], 2008, 230. [Name], 2008, 231. [Name], 2008, 232. [Name], 2008, 233. [Name], 2008, 234. [Name], 2008, 235. [Name], 2008, 236. [Name], 2008, 237. [Name], 2008, 238. [Name], 2008, 239. [Name], 2008, 240. [Name], 2008, 241. [Name], 2008, 242. [Name], 2008, 243. [Name], 2008, 244. [Name], 2008, 245. [Name], 2008, 246. [Name], 2008, 247. [Name], 2008, 248. [Name], 2008, 249. [Name], 2008, 250. [Name], 2008, 251. [Name], 2008, 252. [Name], 2008, 253. [Name], 2008, 254. [Name], 2008, 255. [Name], 2008, 256. [Name], 2008, 257. [Name], 2008, 258. [Name], 2008, 259. [Name], 2008, 260. [Name], 2008, 261. [Name], 2008, 262. [Name], 2008, 263. [Name], 2008, 264. [Name], 2008, 265. [Name], 2008, 266. [Name], 2008, 267. [Name], 2008, 268. [Name], 2008, 269. [Name], 2008, 270. [Name], 2008, 271. [Name], 2008, 272. [Name], 2008, 273. [Name], 2008, 274. [Name], 2008, 275. [Name], 2008, 276. [Name], 2008, 277. [Name], 2008, 278. [Name], 2008, 279. [Name], 2008, 280. [Name], 2008, 281. [Name], 2008, 282. [Name], 2008, 283. [Name], 2008, 284. [Name], 2008, 285. [Name], 2008, 286. [Name], 2008, 287. [Name], 2008, 288. [Name], 2008, 289. [Name], 2008, 290. [Name], 2008, 291. [Name], 2008, 292. [Name], 2008, 293. [Name], 2008, 294. [Name], 2008, 295. [Name], 2008, 296. [Name], 2008, 297. [Name], 2008, 298. [Name], 2008, 299. [Name], 2008, 300. [Name], 2008, 301. [Name], 2008, 302. [Name], 2008, 303. [Name], 2008, 304. [Name], 2008, 305. [Name], 2008, 306. [Name], 2008, 307. [Name], 2008, 308. [Name], 2008, 309. [Name], 2008, 310. [Name], 2008, 311. [Name], 2008, 312. [Name], 2008, 313. [Name], 2008, 314. [Name], 2008, 315. [Name], 2008, 316. [Name], 2008, 317. [Name], 2008, 318. [Name], 2008, 319. [Name], 2008, 320. [Name], 2008, 321. [Name], 2008, 322. [Name], 2008, 323. [Name], 2008, 324. [Name], 2008, 325. [Name], 2008, 326. [Name], 2008, 327. [Name], 2008, 328. [Name], 2008, 329. [Name], 2008, 330. [Name], 2008, 331. [Name], 2008, 332. [Name], 2008, 333. [Name], 2008, 334. [Name], 2008, 335. [Name], 2008, 336. [Name], 2008, 337. [Name], 2008, 338. [Name], 2008, 339. [Name], 2008, 340. [Name], 2008, 341. [Name], 2008, 342. [Name], 2008, 343. [Name], 2008, 344. [Name], 2008, 345. [Name], 2008, 346. [Name], 2008, 347. [Name], 2008, 348. [Name], 2008, 349. [Name], 2008, 350. [Name], 2008, 351. [Name], 2008, 352. [Name], 2008, 353. [Name], 2008, 354. [Name], 2008, 355. [Name], 2008, 356. [Name], 2008, 357. [Name], 2008, 358. [Name], 2008, 359. [Name], 2008, 360. [Name], 2008, 361. [Name], 2008, 362. [Name], 2008, 363. [Name], 2008, 364. [Name], 2008, 365. [Name], 2008, 366. [Name], 2008, 367. [Name], 2008, 368. [Name], 2008, 369. [Name], 2008, 370. [Name], 2008, 371. [Name], 2008, 372. [Name], 2008, 373. [Name], 2008, 374. [Name], 2008, 375. [Name], 2008, 376. [Name], 2008, 377. [Name], 2008, 378. [Name], 2008, 379. [Name], 2008, 380. [Name], 2008, 381. [Name], 2008, 382. [Name], 2008, 383. [Name], 2008, 384. [Name], 2008, 385. [Name], 2008, 386. [Name], 2008, 387. [Name], 2008, 388. [Name], 2008, 389. [Name], 2008, 390. [Name], 2008, 391. [Name], 2008, 392. [Name], 2008, 393. [Name], 2008, 394. [Name], 2008, 395. [Name], 2008, 396. [Name], 2008, 397. [Name], 2008, 398. [Name], 2008, 399. [Name], 2008, 400. [Name], 2008, 401. [Name], 2008, 402. [Name], 2008, 403. [Name], 2008, 404. [Name], 2008, 405. [Name], 2008, 406. [Name], 2008, 407. [Name], 2008, 408. [Name], 2008, 409. [Name], 2008, 410. [Name], 2008, 411. [Name], 2008, 412. [Name], 2008, 413. [Name], 2008, 414. [Name], 2008, 415. [Name], 2008, 416. [Name], 2008, 417. [Name], 2008, 418. [Name], 2008, 419. [Name], 2008, 420. [Name], 2008, 421. [Name], 2008, 422. [Name], 2008, 423. [Name], 2008, 424. [Name], 2008, 425. [Name], 2008, 426. [Name], 2008, 427. [Name], 2008, 428. [Name], 2008, 429. [Name], 2008, 430. [Name], 2008, 431. [Name], 2008, 432. [Name], 2008, 433. [Name], 2008, 434. [Name], 2008, 435. [Name], 2008, 436. [Name], 2008, 437. [Name], 2008, 438. [Name], 2008, 439. [Name], 2008, 440. [Name], 2008, 441. [Name], 2008, 442. [Name], 2008, 443. [Name], 2008, 444. [Name], 2008, 445. [Name], 2008, 446. [Name], 2008, 447. [Name], 2008, 448. [Name], 2008, 449. [Name], 2008, 450. [Name], 2008, 451. [Name], 2008, 452. [Name], 2008, 453. [Name], 2008, 454. [Name], 2008, 455. [Name], 2008, 456. [Name], 2008, 457. [Name], 2008, 458. [Name], 2008, 459. [Name], 2008, 460. [Name], 2008, 461. [Name], 2008, 462. [Name], 2008, 463. [Name], 2008, 464. [Name], 2008, 465. [Name], 2008, 466. [Name], 2008, 467. [Name], 2008, 468. [Name], 2008, 469. [Name], 2008, 470. [Name], 2008, 471. [Name], 2008, 472. [Name], 2008, 473. [Name], 2008, 474. [Name], 2008, 475. [Name], 2008, 476. [Name], 2008, 477. [Name], 2008, 478. [Name], 2008, 479. [Name], 2008, 480. [Name], 2008, 481. [Name], 2008, 482. [Name], 2008, 483. [Name], 2008, 484. [Name], 2008, 485. [Name], 2008, 486. [Name], 2008, 487. [Name], 2008, 488. [Name], 2008, 489. [Name], 2008, 490. [Name], 2008, 491. [Name], 2008, 492. [Name], 2008, 493. [Name], 2008, 494. [Name], 2008, 495. [Name], 2008, 496. [Name], 2008, 497. [Name], 2008, 498. [Name], 2008, 499. [Name], 2008, 500. [Name], 2008, 501. [Name], 2008, 502. [Name], 2008, 503. [Name], 2008, 504. [Name], 2008, 505. [Name], 2008, 506. [Name], 2008, 507. [Name], 2008, 508. [Name], 2008, 509. [Name], 2008, 510. [Name], 2008, 511. [Name], 2008, 512. [Name], 2008, 513. [Name], 2008, 514. [Name], 2008, 515. [Name], 2008, 516. [Name], 2008, 517. [Name], 2008, 518. [Name], 2008, 519. [Name], 2008, 520. [Name], 2008, 521. [Name], 2008, 522. [Name], 2008, 523. [Name], 2008, 524. [Name], 2008, 525. [Name], 2008, 526. [Name], 2008, 527. [Name], 2008, 528. [Name], 2008, 529. [Name], 2008, 530. [Name], 2008, 531. [Name], 2008, 532. [Name], 2008, 533. [Name], 2008, 534. [Name], 2008, 535. [Name], 2008, 536. [Name], 2008, 537. [Name], 2008, 538. [Name], 2008, 539. [Name], 2008, 540. [Name], 2008, 541. [Name], 2008, 542. [Name], 2008, 543. [Name], 2008, 544. [Name], 2008, 545. [Name], 2008, 546. [Name], 2008, 547. [Name], 2008, 548. [Name], 2008, 549. [Name], 2008, 550. [Name], 2008, 551. [Name], 2008, 552. [Name], 2008, 553. [Name], 2008, 554. [Name], 2008, 555. [Name], 2008, 556. [Name], 2008, 557. [Name], 2008, 558. [Name], 2008, 559. [Name], 2008, 560. [Name], 2008, 561. [Name], 2008, 562. [Name], 2008, 563. [Name], 2008, 564. [Name], 2008, 565. [Name], 2008, 566. [Name], 2008, 567. [Name], 2008, 568. [Name], 2008, 569. [Name], 2008, 570. [Name], 2008, 571. [Name], 2008, 572. [Name], 2008, 573. [Name], 2008, 574. [Name], 2008, 575. [Name], 2008, 576. [Name], 2008, 577. [Name], 2008, 578. [Name], 2008, 579. [Name], 2008, 580. [Name], 2008, 581. [Name], 2008, 582. [Name], 2008, 583. [Name], 2008, 584. [Name], 2008, 585. [Name], 2008, 586. [Name], 2008, 587. [Name], 2008, 588. [Name], 2008, 589. [Name], 2008, 590. [Name], 2008, 591. [Name], 2008, 592. [Name], 2008, 593. [Name], 2008, 594. [Name], 2008, 595. [Name], 2008, 596. [Name], 2008, 597. [Name], 2008, 598. [Name], 2008, 599. [Name], 2008, 600. [Name], 2008, 601. [Name], 2008, 602. [Name], 2008, 603. [Name], 2008, 604. [Name], 2008, 605. [Name], 2008, 606. [Name], 2008, 607. [Name], 2008, 608. [Name], 2008, 609. [Name], 2008, 610. [Name], 2008, 611. [Name], 2008, 612. [Name], 2008, 613. [Name], 2008, 614. [Name], 2008, 615. [Name], 2008, 616. [Name], 2008, 617. [Name], 2008, 618. [Name], 2008, 619. [Name], 2008, 620. [Name], 2008, 621. [Name], 2008, 622. [Name], 2008, 623. [Name], 2008, 624. [Name], 2008, 625. [Name], 2008, 626. [Name], 2008, 627. [Name], 2008, 628. [Name], 2008, 629. [Name], 2008, 630. [Name], 2008, 631. [Name], 2008, 632. [Name], 2008, 633. [Name], 2008, 634. [Name], 2008, 635. [Name], 2008, 636. [Name], 2008, 637. [Name], 2008, 638. [Name], 2008, 639. [Name], 2008, 640. [Name], 2008, 641. [Name], 2008, 642. [Name], 2008, 643. [Name], 2008, 644. [Name], 2008, 645. [Name], 2008, 646. [Name], 2008, 647. [Name], 2008, 648. [Name], 2008, 649. [Name], 2008, 650. [Name], 2008, 651. [Name], 2008, 652. [Name], 2008, 653. [Name], 2008, 654. [Name], 2008, 655. [Name], 2008, 656. [Name], 2008, 657. [Name], 2008, 658. [Name], 2008, 659. [Name], 2008, 660. [Name], 2008, 661. [Name], 2008, 662. [Name], 2008, 663. [Name], 2008, 664. [Name], 2008, 665. [Name], 2008, 666. [Name], 2008, 667. [Name], 2008, 668. [Name], 2008, 669. [Name], 2008, 670. [Name], 2008, 671. [Name], 2008, 672. [Name], 2008, 673. [Name], 2008, 674. [Name], 2008, 675. [Name], 2008, 676. [Name], 2008, 677. [Name], 2008, 678. [Name], 2008, 679. [Name], 2008, 680. [Name], 2008, 681. [Name], 2008, 682. [Name], 2008, 683. [Name], 2008, 684. [Name], 2008, 685. [Name], 2008, 686. [Name], 2008, 687. [Name], 2008, 688. [Name], 2008, 689. [Name], 2008, 690. [Name], 2008, 691. [Name], 2008, 692. [Name], 2008, 693. [Name], 2008, 694. [Name], 2008, 695. [Name], 2008, 696. [Name], 2008, 697. [Name], 2008, 698. [Name], 2008, 699. [Name], 2008, 700. [Name], 2008, 701. [Name], 2008, 702. [Name], 2008, 703. [Name], 2008, 704. [Name], 2008, 705. [Name], 2008, 706. [Name], 2008, 707. [Name], 2008, 708. [Name], 2008, 709. [Name], 2008, 710. [Name], 2008, 711. [Name], 2008, 712. [Name], 2008, 713. [Name], 2008, 714. [Name], 2008, 715. [Name], 2008, 716. [Name], 2008, 717. [Name], 2008, 718. [Name], 2008, 719. [Name], 2008, 720. [Name], 2008, 721. [Name], 2008, 722. [Name], 2008, 723. [Name], 2008, 724. [Name], 2008, 725. [Name], 2008, 726. [Name], 2008, 727. [Name], 2008, 728. [Name], 2008, 729. [Name], 2008, 730. [Name], 2008, 731. [Name], 2008, 732. [Name], 2008, 733. [Name], 2008, 734. [Name], 2008, 735. [Name], 2008, 736. [Name], 2008, 737. [Name], 2008, 738. [Name], 2008, 739. [Name], 2008, 740. [Name], 2008, 741. [Name], 2008, 742. [Name], 2008, 743. [Name], 2008, 744. [Name], 2008, 745. [Name], 2008, 746. [Name], 2008, 747. [Name], 2008, 748. [Name], 2008, 749. [Name], 2008, 750. [Name], 2008, 751. [Name], 2008, 752. [Name], 2008, 753. [Name], 2008, 754. [Name], 2008, 755. [Name], 2008, 756. [Name], 2008, 757. [Name], 2008, 758. [Name], 2008, 759. [Name], 2008, 760. [Name], 2008, 761. [Name], 2008, 762. [Name], 2008, 763. [Name], 2008, 764. [Name

ATP S170 Register

- 1
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'.
Reference: 25.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745025
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745025_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745025_1t.jpg

ATP S170 Register



File: 4745025_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745025_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 026	<i>Name:</i> Rack of Moulds and Templates for Hammer Shop	<i>Location:</i> 2N 13E	
<i>Other ID nos</i>	1996 inventory no: 26. ATP438.		

Description:

An A-frame steel rack (245L x 120W x 143H) formed from angle section and bar steel riveted together has tapered ends and supports three steel sheet shelves. The rack has two braces on the side. A small (65 x 75cm) gridded box with a hinged door (37 x 20 cm) is tack welded to one end. This end of the rack is painted blue; the remainder grey. There are approximately 20 moulds and templates on each of the top two shelves and approximately 60 on the bottom shelf.

Significance:

This item is an integral part of the steam hammer assemblage and represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The rack appears to be shop-built and may date from the early - to mid-20th century. The moulds and patterns stored in the rack do not appear to be in any particular order and are of varying ages and sizes. The items on the rack were no doubt used with many of the different steam hammers in the workshops and relocated as required.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The rack is in good condition despite being worn from use and bearing patches of superficial rust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 27.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 26.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745026

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745026_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745026_1t.jpg




File: 4745026_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745026_2t.jpg

ATP S170 Register



File: 4745026_3.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745026_3t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>	
4745 027	Blacksmith's Forge No. 4 and Coke Bin	2N 13E	
<i>Markings</i>	'ALLDAYS & ONIONS / LTD / MAKERS / BIRMINGHAM . LONDON' (on base). 'YER HA' (on brick) NSWTD / FB29 / SO [...]		
<i>Other ID nos</i>	1996 inventory no: 27h. ATP418.		

Description:

The Forge consists of a cast-iron frame (120x115cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The base of the frame has recessed panels for decorative effect. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to the western and southern sides to contain the heat. Tools are suspended from hooks fitted to the guard. A narrow timber bench is suspended between the hood and the guard. A cast concrete coke bin (90x60x66cm) sits on the western side of the forge. A sheet metal ashpan (60x38x38cm) is fitted to the southern guard. Grey painted. The forge measures 120cm (L) x 115cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display

Modification(s): Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Blacksmith's Forge is in poor condition. The chimney collar and sheathing are heavily corroded. Remaining elements bears minor surface corrosion and flaking paint. The forge is generally covered with grime and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

ATP S170 Register

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

References:

Alldays Peacock 2008, http://www.alldayspeacock.co.uk/about_us.php.

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 299.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27h.
 - 3 Otto Cserhalmi and Partners 2002, 'Eveleigh Railway Locomotive Workshops Conservation Management Plan'. Reference: .
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745027
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745027_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745027_1t.jpg

ATP S170 Register



File: 4745027_2.jpg

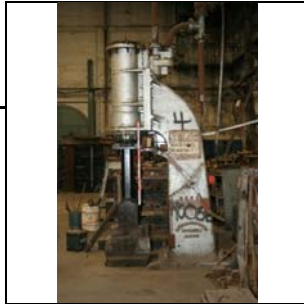
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745027_2t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 028	Davis and Primrose Steam Hammer No. 4	2N 13E	
Markings	N.S.W.G. // DAVIS & PRIMROSE / ENGINEERS / LEITH [in red-painted embossed casting] // '4' [black spray paint] // '[M]OOSE' // 'DO NOT SPEAK TO OPERATOR WHEN HE IS WORKING STEAM HAMMER' [stencilled in black] No. 662 / NSWGR / CClass HS 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
Other ID nos	1996 inventory no: 28. ATP446.		

Description:

This vertical, single frame steam hammer consists of a cast-iron arch frame, with a vertical cylinder and shaft designed to deliver a blow of 8.5cwt (430kg). It has been fitted with an oil filter on the eastern side. It measures: 185L x 85W x 300H.

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and an integral component of the steam hammer shop assemblage. It is one of four hammers surviving in situ in Bay 2 north and is primarily significant as one of the few surviving machines installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1908

The steam hammer was installed in this location in 1908. It appears on the 1912 plan of the Eveleigh Railway Workshops (SRAO EL W29) in this precise location. Steam hammers were used for a variety of items produced for the railways. These varied from the roughing out of small axles and shafts to the production of small items which were drop-forged in spring swage sets. The operating lever is moved with a pumping action and a skilled operator can change both the length of the blow and its rapidity. As the operation of the lever is increased in speed, the speed of the blows delivered is increased. The length of stroke is governed by the distance by which the lever is moved. The blow delivered depends both on the steam being admitted to the steam cylinder and the weight of the piston rod, the ram and the ram dye.

Designer/Builder: Davis and Primrose

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall, Steam Hammer No. 4 is in sound condition. It is worn with use and the external surfaces are suffering from pitting, flaking paint and superficial rust. The pipe work is intact, but some elements are corroded.

Further Information:

Was originally 'Davis and Primrose Steam Hammer 1' but it marked '4'.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per

ATP S170 Register

their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 treat corroded pipework

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 29.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 28.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745028
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745028_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745028_1t.jpg

ATP S170 Register



File: 4745028_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745028_2t.jpg



File: 4745028_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745028_3t.jpg

ATP S170 Register



File: 4745028_4.jpg

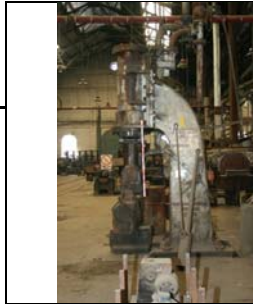
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745028_4t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 029	Davis and Primrose Steam Hammer No. 1	2N 10E	
Markings	N.S.W.G. // DAVIS & PRIMROSE / ENGINEERS / LEITH [in red-painted embossed casting] // '1' [yellow paint] // 'DO NOT SPEAK TO OPERATOR WHEN HE IS WORKING STEAM HAMMER' [stencilled in black] No. 668 / NSWGR / CClass HS [in red] 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
Other ID nos	1996 inventory no: 29. ATP462. SRA8689.		

Description:

This vertical, single frame steam hammer consists of a cast-iron arch frame, with a vertical cylinder and shaft designed to deliver a blow of 8.5cwt (430kg). It measures: 185L x 85W x 303H. The ram is still attached to its suspension loop on the northside. An additional ram rests on the south side. A wooden block (96W x 28W x 43H) has been placed under the hammer shaft. Graffiti has been hand-punched on the north side. A warning sign hangs from a valve release lever on the eastern side.

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and an integral component of the steam hammer shop assemblage. It is one of four hammers surviving in situ in Bay 2 north and is primarily significant as one of the few surviving machines installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1908

The steam hammer was installed in this location in 1908. It appears on the 1912 plan of the Eveleigh Railway Workshops (SRAO EL W29) in this precise location. It was powered by steam via an overhead steam line from the boiler headers at the south end of Bay 2. Steam hammers were used for a variety of items produced for the railways. These varied from the roughing out of small axles and shafts to the production of small items which were drop-forged in spring swage sets. The operating lever is moved with a pumping action and a skilled operator can change both the length of the blow and its rapidity. As the operation of the lever is increased in speed, the speed of the blows delivered is increased. The length of stroke is governed by the distance by which the lever is moved. The blow delivered depends both on the steam being admitted to the steam cylinder and the weight of the piston rod, the ram and the ram dye.

Designer/Builder: Davis and Primrose

Current Use: Display

Modification(s): Graffiti dating to 1971 ('K. HUGHES / 16-8-71') and 1986 ('[N] HAIGH / [11-11-86]) has been dot punched into the north face.

Former Uses: Workshop Machinery

Physical Condition:

Overall, Steam Hammer No. 1 is in poor condition. There is active corrosion on the upper cylinder. It also bears surface rust, flaking paint and is generally covered in grime and dust. The shaft and head appear to have been recently degreased.

Further Information:

Was 'Davis and Primrose Steam Hammer 2' but this machine is marked '1'.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards

ATP S170 Register

or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 30.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 29.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745029

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745029_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745029_1t.jpg

ATP S170 Register



File: 4745029_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745029_2t.jpg



File: 4745029_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745029_3t.jpg

ATP S170 Register



File: 4745029_4.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745029_4t.jpg



File: 4745029_5.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745029_5t.jpg

ATP S170 Register



File: 4745029_6.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745029_6t.jpg



File: 4745029_7.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745029_7t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 030	<i>Name:</i> Wall crane for Davis and Primrose Steam Hammer No. 1	<i>Location:</i> 2N 10E	
<i>Markings</i>	'L282 LOAD NOT TO EXCEED 2CWTS'		
<i>Other ID nos</i>	1996 inventory no: 30. ATP463.		

Description:

This small wall crane consists of a jib made from a double sided rail and a rod of steel for the main brace. The crane is stayed against one of the cast iron columns between Bays 1 and 2. It is equipped with a small carriage which rolls on the upper surface of the jib and contains a threaded bar attached to the carriage by a wish-bone. A threaded rod, fitted with a handle, passes through the bar which facilitates the raising and lowering of a small pulley to which a set of tongs for gripping hot work for manipulation under the hammer, is attached with a chain sling.

Significance:

The item is an integral part of the forge assemblage. The item and its operation is easy to interpret from its existing fabric. It demonstrates the manner in which this section of the workshops operated and handled materials being worked.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1908

It is believed that the jib-crane was manufactured at the Eveleigh Workshops and mounted contemporaneously with the steam hammer (i.e. 1908). The radius of the crane allowed the movement of heated billet between the small forge and the hammer.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The item is in good structural repair. It bears some surface rust.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 31.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 30.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745030

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745030_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745030_1t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 031	Davis and Primrose Steam Hammer No. 2	2N 10W	
Markings	DAVIS & PRIMROSE / ENGINEERS / LEITH // N.S.W.G. [in red-painted embossed casting] // '2' [yellow paint, over '5?'] // 'DO NOT SPEAK TO OPERATOR WHEN HE IS WORKING STEAM HAMMER' [stencilled in black] No. 656 / NSWGR / CClass HS [in red] 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
Other ID nos	1996 inventory no: 31. ATP410. SRA8687.		

Description:

This vertical, single frame steam hammer consists of a cast-iron arch frame, with a vertical cylinder and shaft designed to deliver a blow of 8.5cwt (430kg). A 'Tecalemit' oil filter has been fitted to the west side. Bolts and fittings have been removed from the south side and the handle has been painted red. The hammer measures: 185L x 85W x 305H.

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and an integral component of the steam hammer shop assemblage. It is one of four hammers surviving in situ in Bay 2 north and is primarily significant as one of the few surviving machines installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1904

The steam hammer was installed in this location in 1904. It appears on the 1912 plan of the Eveleigh Railway Workshops (SRAO EL W29) in this precise location. It was powered by steam via an overhead steam line from the boiler headers at the south end of Bay 2. Steam hammers were used for a variety of items produced for the railways. These varied from the roughing out of small axles and shafts to the production of small items which were drop-forged in spring swage sets. The operating lever is moved with a pumping action and a skilled operator can change both the length of the blow and its rapidity. As the operation of the lever is increased in speed, the speed of the blows delivered is increased. The length of stroke is governed by the distance by which the lever is moved. The blow delivered depends both on the steam being admitted to the steam cylinder and the weight of the piston rod, the ram and the ram dye.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall, Steam Hammer No. 2 is in poor condition. The pipe work (once painted red) is heavily corroded and there is some structural corrosion on the cast-iron cylinder. It also bears surface rust, flaking paint and is generally covered in grime and dust. The shaft and head have been degreased and appears to be in sound condition.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the

ATP S170 Register

conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 32.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 31.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745031

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic



File: 4745031_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745031_1t.jpg

ATP S170 Register



File: 4745031_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745031_2t.jpg



File: 4745031_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745031_3t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 032	Davis and Primrose Steam Hammer No. 3	2N 13W	
Markings	N.S.W.G. // DAVIS & PRIMROSE / ENGINEERS / LEITH [in black-painted embossed casting] // '3' [black paint with red tracing] // 'DO NOT SPEAK / TO OPERATOR / WHEN HE IS / WORKING / STEAM HAMMER' [stencilled in black] No. 670 / NSWGR / Class HS 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
Other ID nos	1996 inventory no: 32. ATP413. SRA8693.		

Description:

This vertical, single frame steam hammer consists of a cast-iron arch frame, with a vertical cylinder and shaft designed to deliver a blow of 8.5cwt (430kg). A 'Tecalemit' oil filter has been fitted to the west side. O-rings and rivets hang from the toothed handle brace on the north side. The hammer measures: 185L x 85W x 305H.

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and an integral component of the steam hammer shop assemblage. It is one of four hammers surviving in situ in Bay 2 north and is primarily significant as one of the few surviving machines installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1904

The steam hammer was installed in this location in 1904. It appears on the 1912 plan of the Eveleigh Railway Workshops (SRAO EL W29) in this precise location. It was powered by steam via an overhead steam line from the boiler headers at the south end of Bay 2. Steam hammers were used for a variety of items produced for the railways. These varied from the roughing out of small axles and shafts to the production of small items which were drop-forged in spring swage sets. The operating lever is moved with a pumping action and a skilled operator can change both the length of the blow and its rapidity. As the operation of the lever is increased in speed, the speed of the blows delivered is increased. The length of stroke is governed by the distance by which the lever is moved. The blow delivered depends both on the steam being admitted to the steam cylinder and the weight of the piston rod, the ram and the ram dye.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall, Steam Hammer No. 3 is in sound condition. It is worn with use and the external surfaces are suffering from surface rust and flaking paint. The pipe work is intact, but some elements are corroded.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 33.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 32.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745032
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745032_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745032_1t.jpg

ATP S170 Register



File: 4745032_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745032_2t.jpg



File: 4745032_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745032_3t.jpg

ATP S170 Register



File: 4745032_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745032_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 033	<i>Name:</i> Frazing and Grinding Wheel	<i>Location:</i> 2N 11E	
<i>Markings</i>	No. 1406 / NSWGR / Class G 'CROMPTON PARKINSON' [on motor]		
<i>Other ID nos</i>	1996 inventory no: 33. ATP455. SRA8691.		

Description:

The Frazing and Grinding Wheel has a cast-iron frame on which is mounted a shaft which holds a frazing wheel on one end and a fifteen inch emery wheel on the other. Two bearings, their beds integrated into the cast iron frame, support the shaft. A driven wheel is located in the middle of the shaft which is powered by a series of four V-belts by a one horsepower Crompton & Parkinson electric motor. The frazing wheel consists of a series of hardened teeth (with a pitch of about 7mm) which are parallel to the axis of the shaft. Several protective guards, catch trays and signage with safety warnings flank the machine. In total the machine measures L145cm x W115cm x H152cm. It is 110H to the top of the guard. The base plate measures L82cm x W70cm.

Significance:

This Frazing and Grinding Wheel is part of the blacksmith's shop assemblage. It is primarily significant as an example of shop-built auxiliary machines installed in the workshops in the early 20th century. It demonstrates the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1908

The specific history of the Frazing and Grinding Wheel is unknown but it is likely that it dates from the time that Steam Hammer (Item 28) was installed, in 1908, or later. There is no name plate information on the item but it is believed that it was cast in the Eveleigh Foundry and that the item has been produced by the Workshops. The Wheel was used for the rough cleaning of hot items which were forged in the Bay 2 North. The guards and 'Safety first' signage were later editions.

Designer/Builder: Eveleigh

Current Use: Display

Modification(s): The safety signage was probably added in the 1970s or 1980s.

Former Uses: Workshop Machinery

Physical Condition:

Overall, the Frazing and Grinding Wheel is in sound condition, despite a crack in the cast-iron baseplate. It bears patches of surface corrosion and flaking paint (most noticeably on the sheet-metal guards) and is generally covered in grime and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 34.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 33.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745033
-

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745033.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745033t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 034	<i>Name:</i> Rack of tools between columns (Rack A)	<i>Location:</i> 2N 14W	
<i>Other ID nos</i> 1996 inventory no: 34a. ATP407.			

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are two double straps and two single racks. Altogether the rack holds 16 pincers, 67 swage blocks, 1 hoop and 4 miscellaneous items. In addition there are approximately 20 iron rods and pieces of galvanised steel sheeting and miscellaneous scrap metal in the adjacent quenching tank.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition, although some of the bars have buckled with use. The rack bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 35.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34a.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745034

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745034.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745034t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 035	<i>Name:</i> Hot-metal Circular Saw	<i>Location:</i> 2N 9W	
<i>Markings</i>	LEEDS NSWGR / No. 568 / Class SCN 'SAFETY FIRST / Goggles must be worn / when using / this saw. / BY ORDER WKS MGR' // 'Crompton Parkinson' (on motor)		
<i>Other ID nos</i>	1996 inventory no: 35. ATP400.		

Description:

Circular saw with 80cm diameter blade set on a cast-iron pedestal which is possibly a reworked lathe bed. It is powered by an elevated Crompton Parkinson electric motor mounted on the adjacent column via a fabric belt. It is protected by scratch built guards on the northern and southern faces (which have obscured the nameplate on the side of the pedestal) and an angle-iron cage over the belt-drive train. The pedestal measures 150cm (L) x 90cm (W); the belt cage is 450cm (L) and 300cm (H).

Significance:

The Hot-metal Circular Saw is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887 and one of the important elements of the steam hammer assemblage. It is the only in situ machine still connected to a belt drive. It was manufactured or modified by railway staff and demonstrates the skills of the workers on site. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

c.

The saw is believed to have been installed in this location when the smith's shop was established in 1887 (GML 1996). It is shown on the 1912 plan of the Eveleigh Workshops (SRAO ELW 29) and appears to be visible in a c.1920s photograph of Bay 2N (B28314). While the full nameplate on the pedestal is obscured, it is possible to make out the place of manufacture: Leeds. It is possible that the pedestal was adapted from another machine (e.g. a lathe bed). The saw was used for cutting hot steel and for this purpose has an unusually thick blade and would initially have been driven by a belt from the line shaft.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Saw is in sound condition. The guard on the north side is buckled and this and other surfaces exhibit minor corrosion and deteriorated paintwork. The belt is intact and in a fair condition.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 36.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 35.
-

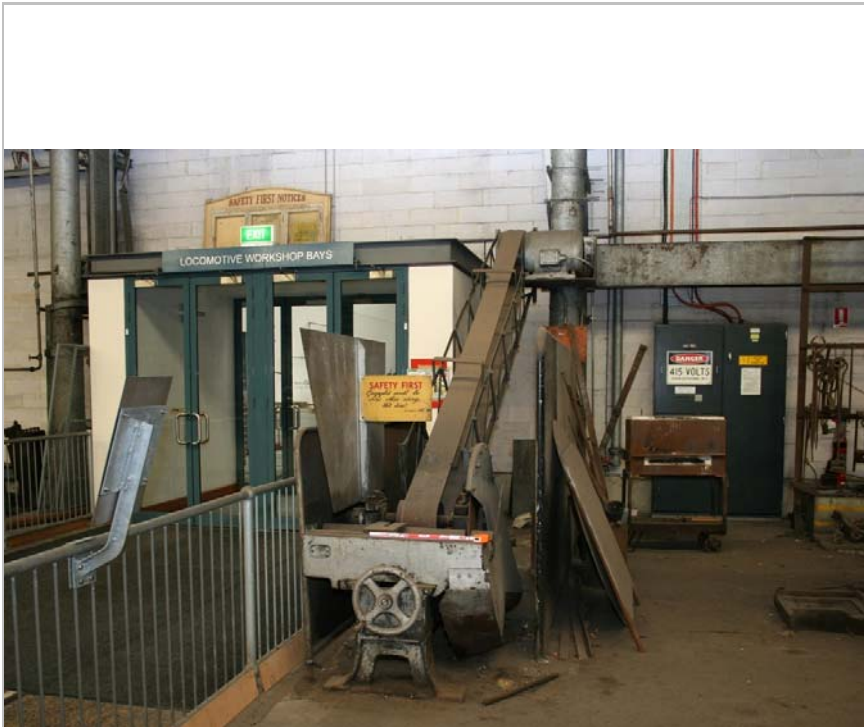
Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745035
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745035_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745035_1t.jpg

ATP S170 Register



File: 4745035_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745035_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 036	<i>Name:</i> Portable Tool Rack	<i>Location:</i> 2N 10W	
<i>Other ID nos</i> 1996 inventory no: 36a. ATP408.			

Description:

Cast-iron tool rack with 3 plate bars bolted between two pairs of diagonal upright bars with splayed feet. Seven roughly-forged double hooks (30cm long) and one single hook are fitted to the upper bar. The rack currently holds 35 tools. The rack measures 185cm (L) x 106cm (W) x 128cm (H).

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is believed to be one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation. Racks similar to this appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680).

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 37.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36a.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745036

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745036.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745036t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 037	Tool benches for dies (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 37j.

Description:

NA (disposed)

Significance:

Not located, presumed disposed.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:


- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37j.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 274.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745037
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 29 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 038	<i>Name:</i> Whitworth Lathe bed	<i>Location:</i> 2N 15W	
<i>Markings</i>	N.S.W.G. / J. WHITWORTH & Co / MANCHESTER // 420 // 1883 No. 181 / NSWGR / Class L		
<i>Other ID nos</i>	1996 inventory no: 38. SRA8695.		

Description:

Extremely heavy cast-iron lathe bed measuring 520cm (L) x 56cm (W) x 87cm (H) accompanied by partial headstock and partial tail stock. The tail stock is now at the western extremity. There is no real indication of the type of headstock nor the way in which it operated.

Significance:

This extremely heavy lathe bed, partial headstock and partial tail stock is all that remains of the oldest lathe in the workshop. The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 100 years. The item is a large, rare, industrial piece exhibiting massive cast-iron construction and which had general engineering application. The item has interpretive potential for developing an understanding of early engineering practice.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1883-1887

The lathe was manufactured for the New South Wales Government by J. Whitworth and Company of Manchester, England, in 1883. It was installed in the workshops in 1887 although probably in another Bay. The lathe does not appear in its present location on the 1912 drawing (SRAO ELW29). It has, nevertheless, been in Bay 2N for several decades.

Designer/Builder: J. Whitworth & Co.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Whitworth Lathe bed is in sound condition, although incomplete and missing key components. It bears some surface corrosion and is generally covered with grime and dust and bird droppings.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 tidy up items adjacent to lathe

ATP S170 Register

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 39.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 38.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745038

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 3 Jul 2008

Status: Basic



File: 4745038_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745038_1t.jpg

ATP S170 Register



File: 4745038_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745038_2t.jpg



File: 4745038_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745038_3t.jpg

ATP S170 Register



File: 4745038_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745038_4t.jpg



File: 4745038_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745038_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 039	<i>Name:</i> Timber Workbench with Vice	<i>Location:</i> 2N 11E	
<i>Other ID nos</i> 1996 inventory no: 39. ATP428.			

Description:

Timber workbench 209cm (L) x 90cm (W) x 78cm (H) with solid legs (30cmW x 8cmD) and a sheet-steel cover. Two dove-tail, pin-lock drawers sit below the bench (one with a ring handle, one with a T-bar handle) on the western face hold miscellaneous tool bits, fittings, light fittings and tools. A heavy forged 6" vice (67x16x34H) is clamped to the southern end of the table. A second vice appears to have been removed from the northern end at some stage.

Significance:

This workbench is representative of the work benches which were located throughout the workshops. It demonstrates the skills of the workers on site and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The bench was of the pattern typically made by the apprentice carpenters and joiners. Benches such as this were used right throughout the Eveleigh Workshops complex for all metal working operations. The sheet-steel top prevented damage to the wood. The two drawers to the front were normally used for storing bench tools.

Designer: Eveleigh
Builder:

Builder: Eveleigh (apprentice carpenters and joiners)

Current Use: Display
Former Uses: Workshop table

Physical Condition:

Overall the Timber Workbench with Vice is in sound condition, despite being worn with use. It bears some surface corrosion and is generally covered with grime and dust. The bench is now covered with unrelated tools and fittings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 remove tools etc

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 40.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 39.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745039

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745039_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745039_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 040	<i>Name:</i> Dual grinder	<i>Location:</i> 2N 14W	
<i>Markings</i>	NSWTD / SOM 2822 / SO [blank] 1) 'Australian Electrical Industries / AD40' [motor] 2) 'DO NOT WEAR GLOVES' / 'SAFETY FIRST...' [sign]		
<i>Other ID nos</i>	1996 inventory no: 40. SRA8694.		

Description:

This dual grinder consists of a cast-iron frame which holds two bearing blocks which support the main shaft. On the ends of the main shaft are mounted a very coarse and a coarse grinding wheel 40cm in diameter. Solid tool rests are bolted to slots in the cast frame. The wheels are direct driven from a one horsepower motor mounted on the back of the cast-iron frame via V-belts. A simple, on-off switch in a sheet metal cabinet is mounted on the front of the frame. Two Unibeam lamps are fitted next to each wheel. The machine measures 128cm (L) x 123cm (W) x 141cm (H; 109cm to the top of the guard). The base plate measures 90cm x 70cm.

Significance:

This grinder is part of the blacksmith's shop assemblage. It was constructed within the workshops using salvaged parts from other machines. It demonstrates the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This grinder is similar to several others which are mounted throughout the workshops. It operated at very high speed was used for the sharpening and grinding of tools rather than the grinding of items which had been formed on the forge. The history of the item is unknown but it appears that it would certainly have been driven from a line-shaft. It does not appear on any of the historic plans and it is unknown when it was moved to this location.

Current Use: Display

Modification(s): 2 lamps and various safety signs have been fitted

Former Uses: Workshop Machinery

Physical Condition:

Overall the Dual grinder is in sound condition and all guards appear to be intact. It bears some surface corrosion and flaking paint and is generally covered with grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 move guards and garbage from around machine

ATP S170 Register

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 41.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 40.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745040
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745040.jpg

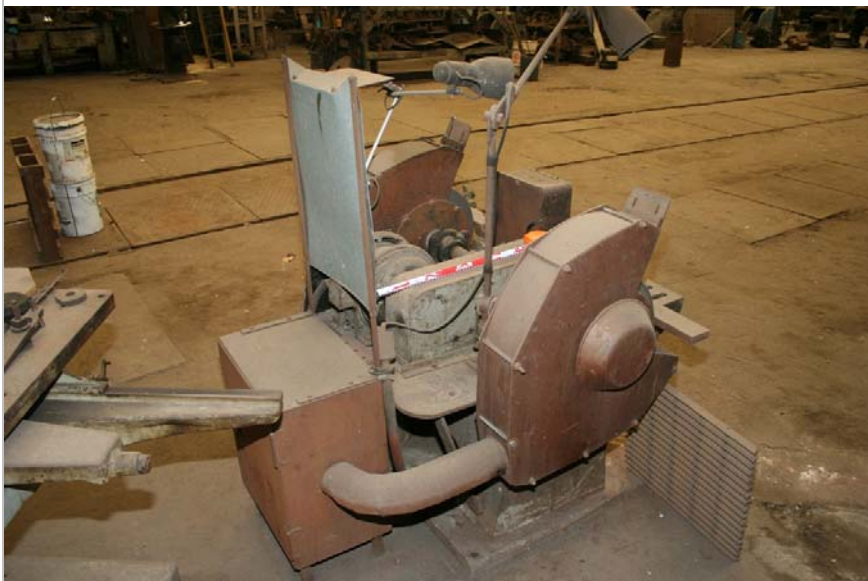
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745040t.jpg

ATP S170 Register



File: 4745040_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745040_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 041	<i>Name:</i> Thwaites Rootes No. 5 Blower	<i>Location:</i> 1S 1W	
<i>Markings</i>	Roots Blower No 5 1093 Pattern Bradford Yorks; N751 NSWGR Clas BR		
<i>Other ID nos</i>	1996 inventory no: 41. ATP028.		

Description:

The Rootes Blower is a single piston steam engine with twin shafts operating a counter-rotating vane air pump. It is still coupled to the steam pipes for the blacksmiths shop. The Blower supplies high volume low pressure air to the blacksmiths forges. The power pack is a simple vertical steam cylinder with a single shaft which is connected to a cross-head which has twin crank shafts. Each of the crank shafts is fitted to a driving wheel, direct coupled to a vane shaft. The blowers supply air at low pressure compared to the air compressors which supply high pressure air. High pressure air is unsuitable for forgers as the amount of air going through is disruptive. When operating, the blower was turned on by opening the steam valve. The air was supplied to the furnaces or directed to exhaust. Mounted on a concrete slab and approximately 2000x2500x1500mm in size.

Significance:

The item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. Along with the adjacent blower, it powered the blacksmith's shops in Bay 1 for over 75 years. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1903-1911

The Rootes Blower was manufactured by Thwaites Bros Ltd of York, England in 1903 and installed in 1911 to supply low pressure air to the Blacksmiths Forges. It is believed it was located in this position and has remained here since installation.

Designer: Thwaites Bros Ltd
Builder:

Builder: Thwaites Brothers Limited

Current Use: Workshop Machinery *Modification(s):* Later safety barrier
Former Uses: Workshop Machinery

Physical Condition:

Sound and complete, but not in service. Flaking paint with dust and grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully

ATP S170 Register

overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: CHECK.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 42.
- 3 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 41.
- 4 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 41.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745041

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745041_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745041_1t.jpg

ATP S170 Register



File: 4745041_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745041_2t.jpg



File: 4745041.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745041t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 042	<i>Name:</i> Thwaites Rootes No. 6 Blower	<i>Location:</i> 1S 1W	
<i>Markings</i>	THWAITES BROTHERS // NO.6 ROOTES PATENT BLOWER BRADFORD YORKSHIRE NSWGR No 755 Class BR		
<i>Other ID nos</i>	1996 inventory no: 42. ATP029. SRA8649.		

Description:

The Rootes Blower is a single piston steam engine with twin shafts operating a counter-rotating vane air pump. The Blower supplies high volume low pressure air to the blacksmiths forges. The power pack is a simple vertical steam cylinder with a single shaft which is connected to a cross-head which has twin crank shafts. Each of the crank shafts is fitted to a driving wheel, direct coupled to a vane shaft. The blowers supply air at low pressure compared to the air compressors which supply high pressure air. High pressure air is unsuitable for forgers as the amount of air going through is disruptive. When operating, the blower was turned on by opening the steam valve. The air was supplied to the furnaces or directed to exhaust. A rack of specialist tools for the Blower is mounted to the wall behind. The item is approximately 3000x2500x1500mm in size.

Significance:

The item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. Along with the adjacent blower, it powered the blacksmith's shops in Bay 1 for over 75 years. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1910-1911

The Rootes Blower was manufactured by Thwaites Bros Ltd of York, England in 1910 and installed in 1911 to supply low pressure air to the Blacksmiths Forges. It is believed it was located in this position and has remained here since installation.

Designer: Thwaites Bros Ltd
Builder:

Builder: Thwaites Brothers

Current Use: Workshop Machinery
Former Uses: Workshop Machinery

Physical Condition:

The external surface of the item has patches of superficial rust and bare metal, with dust and grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully

ATP S170 Register

overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 43.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 42.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745042
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745042.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745042t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 044	<i>Name:</i> Blacksmith's Forge	<i>Location:</i> 1S 2W	
<i>Markings</i>	NSWTD FB 1250-		
<i>Other ID nos</i>	1996 inventory no: 44.		

Description:

This forge varies from other forges in the shop in that it is constructed from angle iron and sheet steel for the canopy while the forge itself is brickwork. The tuyere which supplies the air to the forge is water cooled. It is not known why this forge is located in this position but it is possible that the previous standard cast-iron railway pattern forge reached the end of its life. Rather than move another forge, this one was constructed specifically for this location. This forge appears to be shop-built. Approximately 50 tongs are hung from the edge of the forge.

Significance:

This item is part of the 7CWT electropneumatic hammer assemblage and is typical of the shop-built furnaces made at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Good condition, some dust and grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

ATP S170 Register

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 44.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 44.

Listings:

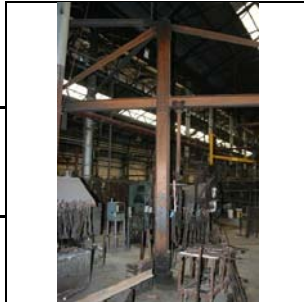
- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745044
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745044.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745044t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 045	<i>Name:</i> 7 CWT Jib crane	<i>Location:</i> 1S 2W	
<i>Markings</i>	L499 LOAD NOT TO EXCEED 7CWTS		
<i>Other ID nos</i>	1996 inventory no: 45. ATP041/ 0019.		

Description:

This small crane is of the jib-type. It has a kingpost constructed of C-Section steel. The jib is universal section and the jib is counter-weighted at its rear end. The jib is braced front and rear by twin steel straps. The jib carries a small carriage on rollers which is moved manually and from which is suspended an adjustable chain holder which held balanced tongs for gripping work which was being forged under the electro-pneumatic hammer. Hammer. The king post is tied back to two central cast iron columns. The jib is approximately 7m long and the king post 5m high.

Significance:

This item is typical of the lifting equipment used in the Locomotive Workshops and demonstrates the manual handling required in the manufacture of locomotive components.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it was erected in this position prior to World War II. The tongs in which the material was held were passed through the chain loop and the material was manipulated under the electro-pneumatic hammer. (GML 1996)

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair. Some surface rust and flaking paint.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 45.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 45.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745045

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745045.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745045t.jpg



File: 4745045.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745045t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 046	<i>Name:</i> 10 CWT Jib crane	<i>Location:</i> 1S	
<i>Markings</i>	LC 498 CLASS 3 S.W.L. 10CWT		
<i>Other ID nos</i>	1996 inventory no: 46. ATP015.		

Description:

This very early jib crane has a cast-iron rectangular section kingpost and a wrought iron or mild steel jib. It is stayed front and rear, the rear being stayed to a point close to the bottom of the king post. This crane relies for its stability on its footing. The jib crane is a superb example of late nineteenth century design. One of two jib cranes in the workshops which are operated by a hand crank. Approximately 4.5m high with a 4.5m span.

Significance:

This item is typical of the lifting equipment used in the Locomotive Workshops and demonstrates the manual handling required in the manufacture of locomotive components.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The crane was located in this position prior to World War 1. It could be one of the earlier machines erected at the Workshops. The slewing is done manually by dragging the jib. The carriage is also moved forwards and backwards manually while the lifting is done through a crank attached to the cast iron hoisting drum at the base of the King Post.

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair with some surface rust.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 46.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 46.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745046

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745046.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745046t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 047	<i>Name:</i> Oil furnace (large)	<i>Location:</i> 1S 5W	
<i>Markings</i>	7674.MW.E A19 PTCNSW FR160 EVE S/O		
<i>Other ID nos</i>	1996 inventory no: 47. ATP013.		

Description:

There are two large oil furnaces in Bay 1 South. Both were for heating large billets which were to be worked under the 40CWT Steam Hammer or the 20CWT Steam Hammer. The furnaces are in excess of 2 metres wide, 3 metres long and stand about 2 metres high. Each is fitted with a heavy steel framed, fire-brick lined door which is counter-weighted by a chain to the rear. The door is lifted by a chain driven wheel. Initially, it is believed that these furnaces were fired by gas and they were later converted to oil. The furnaces are braced with universal section members and in-fill cast-iron and sheet steel sheathing. The interior is lined with fire brick. Air for the furnaces, because of the quantity required, is supplied from air compressors.

Significance:

This item is an important component of the steam hammer assemblage. It is typical of the shop-built furnaces made in the early 20th century. It represents the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is believed that it was installed in this position prior to World War II. However, as with many furnaces, this one may have been re-built on a number of occasions.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Good, with some surface rust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

ATP S170 Register

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 47.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 47.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745047
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745047.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745047t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 048	<i>Name:</i> Furnace	<i>Location:</i> 1S 6W	
<i>Markings</i>	NSW TD PP 14 S.O. -		
<i>Other ID nos</i>	1996 inventory no: 48. SRA8660.		

Description:

This relatively small gas furnace was used for heating items to be forged on the steam hammers or to be worked under the hydraulic press. The frame is cast iron and sheet steel lined with fire brick. The heavy front door is counter-weighted on both sides and is lifted by manipulating or by pressing on the counter-weights. This item may have been shop-built or -rebuilt and has a very roughly built door.

Significance:

This item is an important component of the steam hammer assemblage. It is typical of the shop-built furnaces made in the early 20th century. It represents the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1917

The history of the item is unknown but a furnace has been in this location since 1917.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The external surface of the item has patches of superficial rust and bare metal. The item is presently disused.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from

ATP S170 Register

all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 48.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 48.
-

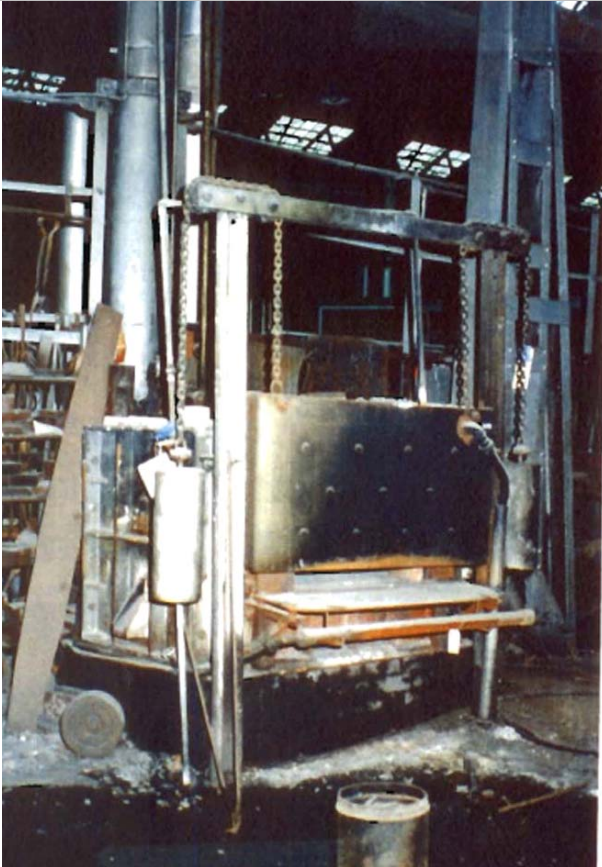
Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745048
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745048.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745048t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 049	<i>Name:</i> Tangye Bros 18" Hydraulic Ram Press	<i>Location:</i> 1S 6W	
<i>Markings</i>	TANGYE BROS MAKERS BIRMINGHAM / PATENT WOODBURY TYPE PRESS PTC NSW PF 643 EVE S/O;		
<i>Other ID nos</i>	1996 inventory no: 49. ATP008. SRA8659.		

Description:

This small press of the Patent Woodbury type exhibits all of the hallmarks of the extremely simple and very effective machinery of the nineteenth century that was used by the railways up until the late twentieth century. The ram press consists of a massive cast-iron footing from which there are four threaded shafts extending vertically for about 1.8 metres. A fixed head is attached to these shafts by massive nuts, one above and one below the head. The head can be raised or lowered to any height and fastened into place by the dexterous use of a massive spanner. Items to be pressed are placed on the platen and hydraulic pressure is introduced through a simple lever. The platen then raises and presses the item against the head. It is possible to use dies above and below the piece being worked.

Significance:

This impressive Hydraulic Ram Press is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops in the 1880s is believed to be the only surviving example of this type of photolithographic press in the world. While its specific use in the blacksmith's shop is unknown, the press is typical of the simple and effective machinery used in 19th-century manufacture of locomotives and locomotive components represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1888

The item was manufactured by Tangye Brothers of Birmingham and installed in the workshops in 1888. It is believed that it has been located in this position since that time. The press was originally designed for photolithography and its purpose within the workshops is unknown. It is believed to be the only extant example of this type of press in the world.

Designer/Builder: Tangye Brothers

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The item is complete and sound, but decommissioned. The item has some dust and grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to

ATP S170 Register

determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 49.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 49.
-

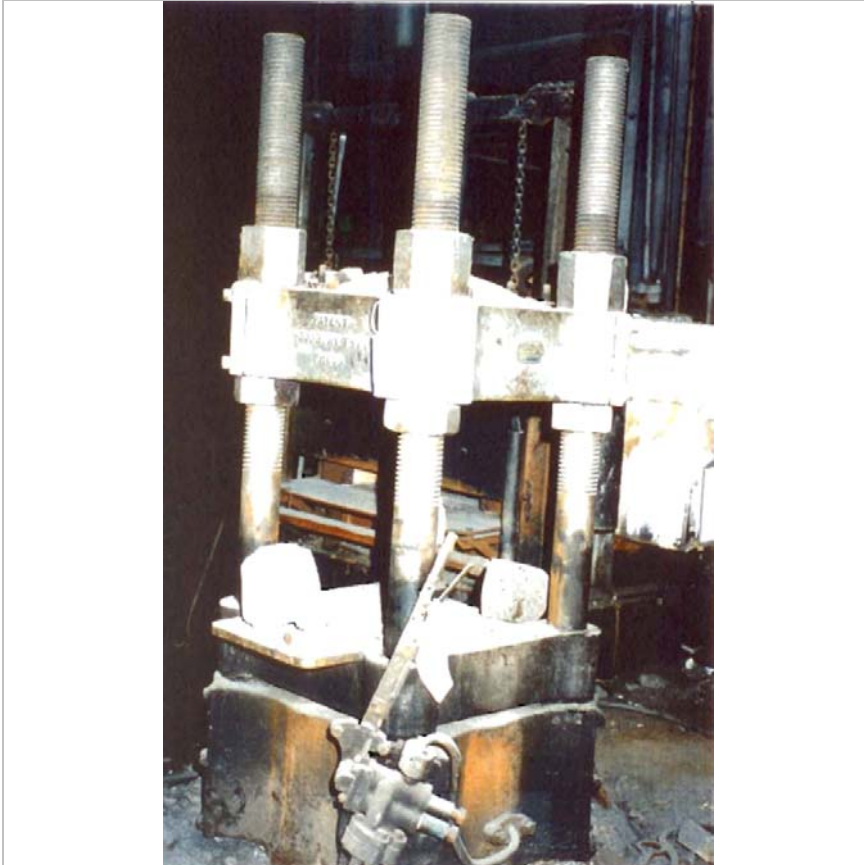
Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745049
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745049.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745049t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 050	<i>Name:</i> Jib Crane	<i>Location:</i> 1S 6W	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 50.		

Description:

This fairly modern jib crane has a king post which is made from angle section steel and is of a robust construction. The Jib Crane is used for moving hot material from the furnaces to the steam hammers. The JIB SUPPORTS A SINGLE HOIST ON RUNNERS. The item is approximately 6m high by 4m long.

Significance:

This job crane is typical of the jib cranes used throughout the site and assists in demonstrating the complex manual handling required in locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The crane is believed to have been manufactured prior to World War II as sections of the crane are riveted and bolted together.

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair with minor surface rust and grime.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 50.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 50.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745050

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745050.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745050t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 051	<i>Name:</i> Brett Type Impact Punch	<i>Location:</i> 1S 9E	
<i>Markings</i>	BRETTS PATENT / TYPE AD / SIZE No.8 COVENTRY PATENT No 710 NSWTD 28883 SO PM 4227 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 51. ATP003.		

Description:

This massive shear and punch has an extraordinarily heavy cast-iron frame in two sections which is bolted together both top and bottom. It has a centrally located fly wheel which is direct coupled to the shearing or punching ram located on each end of the shaft. The item is almost two metres wide, in excess of three metres long and almost three metres high. It was originally powered from an overhead line shaft but a stand-alone electric motor of about 2-horsepower has been attached to a specially constructed platform on the head of the machine. The item has been recently modified with guards around the punches and foot guards near the operation pedals, as well as new doors to the flywheel service hatches.

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops in the early 20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is believed to have been installed in the workshop prior to World War I. It is not known if this was the original location of the item.

Current Use: Workshop Machinery *Modification(s):* Guards fitted c2000.

Former Uses: Workshop Machinery

Physical Condition:

This item is in good condition and appears to be in occasional use. There is some minor flaking paint and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 51.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 51.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745051

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745051_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745051_1t.jpg

ATP S170 Register



File: 4745051_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745051_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 052	<i>Name:</i> Hydraulic Press	<i>Location:</i> 1S 9E	
<i>Markings</i>	RWY No. 817 NSWGR Class PH No 817		
<i>Other ID nos</i>	1996 inventory no: 52. ATP001.		

Description:

This item is similar in design to the Tangye Hydraulic Press. It consists of a massive cast iron platform which supports four vertical shafts in excess of two metres long. The shafts are partially threaded which allows the massive cast-iron head to be raised or lowered. A series of dies can be fitted to the head through T-slots. The bed is driven by an enormous piston set into the floor in a pit several meters deep. The bed can also take a number of dies again through T-slots. This machine has specially cut threads which allow the head to be raised and lowered and the bolts on these heads are round rather than being faceted and are raised or lowered by means of a tommy bar rather than a spanner. The machine shows considerable refinement over the Tangye Press although its operating principle is precisely the same.

Significance:

This press is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1949

The machine was installed in this location in 1949. It is not known when it was manufactured or if this was the first location in which it was erected. Fluid under hydraulic pressure is allowed into the base of the ram and the bed is forced towards the head of the machine, compressing hot metal either between platons or in a die.

Current Use: Workshop Machinery *Modification(s):* Light added to side.

Former Uses: Workshop Machinery

Physical Condition:

Flaking paint, dust, grime.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 52.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 52.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745052

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745052_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745052_1t.jpg

ATP S170 Register



File: 4745052_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745052_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 053	<i>Name:</i> Furnace	<i>Location:</i> 1S 6E	
<i>Markings</i>	NSWTD FR13		
<i>Other ID nos</i>	1996 inventory no: 53. ATP002.		

Description:

This small reverberatory type furnace was used for heating material for the Hydraulic Press, It is gas-fired about 1.2 metres deep, stands about 1.6 metres high and is 1.2 metres wide. It is composed of a cast iron and sheet steel or plate frame lined with fire brick. Double sided rail has been attached to the front of the machine from which the front door has been suspended. The door was originally counterweighted and opened by pressing the counterweights suspended from the twin head rail portal.

Significance:

This item is typical of the shop-built furnaces made in the last decades of operation at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop Machinery *Modification(s):* Rebuilt on at least one occasion.

Former Uses: Workshop Machinery

Physical Condition:

Surface rust, dust, grime. Decommissioned.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

ATP S170 Register

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 53.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 53.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745053
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745053_1.jpg

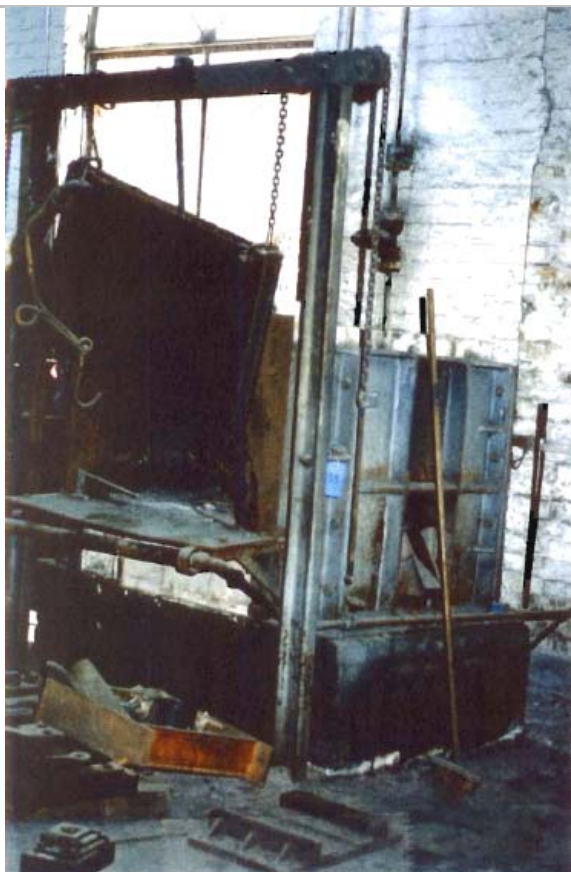
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745053_1t.jpg

ATP S170 Register



File: 4745053_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745053_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 054	<i>Name:</i> 40CWT Arch Steam Hammer	<i>Location:</i> 1S 6	
<i>Markings</i>	40 CWT Arch Steam Hammer No. 4867 Date of Man.1887 RWT No. HS664 NSW GR No 664 Class HS 4867 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 54. ATP006. SRA8657.		

Description:

This massive, arch framed steam hammer is one of the oldest pieces in the workshop. It is over 3 metres long, a metre wide and stands in excess of 4 metres high The massive frame supports the steam chest and the weighs or slides for the hammer itself. The hammer is double-acting and it is used predominantly for forging using only flat dies and anvils. Pressure was supplied from the accumulators located outside the building via overhead steam pipes. The machine could only be used by specialists/blacksmiths/forgers. The number 4867 is cast into the arch.

Significance:

The 40CWT Arch Steam Hammer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887 and one of the important elements of the steam hammer assemblage. The steam hammer was the largest ever to be erected at Eveleigh and was continuously used for 100 years. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The Arch Hammer was installed in 1887 as part of the original steam hammer shop. It has remained in this location ever since. It is shown in some of the earliest interior photographs of the workshops. The steam hammer was the largest ever to be erected at Eveleigh and was continuously used for 100 years. It is believed that almost all of the hammer remains, as originally installed, although some oiling mechanisms and some modification may have taken place to the steam chest.

Current Use: Workshop Machinery *Modification(s):* Good, with some dust and grime

Former Uses: Workshop Machinery

Physical Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

ATP S170 Register

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 54.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 54.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745054

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745054_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745054_1t.jpg

ATP S170 Register



File: 4745054_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745054_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 055	<i>Name:</i> 10CWT Jib Crane	<i>Location:</i> 1S 6E	
<i>Markings</i>	LC497 Class 3 S.W.L. 10 CWT		
<i>Other ID nos</i>	1996 inventory no: 55. ATP005.		

Description:

This very early jib crane has a cast-iron kingpost and a wrought iron or mild steel jib. It is stayed front and rear, the rear being stayed to a point close to the bottom of the king post. This crane relies for its stability on its footing. The jib crane is a superb example of late nineteenth century design. The hoist is operated by a hand crank.

Significance:

This item is typical of the lifting equipment used in the Locomotive Workshops and demonstrates the manual handling required in the manufacture of locomotive components.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The crane was located in this position prior to World War 1. It could be one of the earlier machines erected at the Workshops

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair with some rust and flaking paint.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 55.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 55.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745055

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745055_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745055_1t.jpg



File: 4745055_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745055_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 056	<i>Name:</i> Oil Furnace	<i>Location:</i> 1S 5E	
<i>Markings</i>	PTC NSW FR 159 EVE S/O		
<i>Other ID nos</i>	1996 inventory no: 56. ATP007. SRA8655.		

Description:

There are two large oil furnaces in Bay 1 South. Both were for heating large billets which were to be worked under the 4000 weight Steam Hammer or the 2000 weight Steam Hammer. The furnaces are in excess of 2 metres wide, 3 metres long and stand about 2 metres high. Each is fitted with a heavy steel framed, fire-brick lined door which is counter-weighted by a chain to the rear. The door is lifted! By a chain driven wheel. Initially it is believed that these furnaces were fired by gas and they were later converted to oil fire. The furnaces are braced with universal section members and in-fill cast-iron and sheet steel sheathing. The interior is lined with fire brick. Air for the furnaces, because of the quantity required is supplied from air compressors. The furnace has four large gas burners.

Significance:

This item is typical of the shop-built furnaces made in the early 20th century. It represents the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is believed that it was installed in this position prior to World War II. However, as with many furnaces, this one may have been re-built on a number of occasions.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Good, with some surface rust and dust. Not used since circa 1995.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

ATP S170 Register

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 56.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 56.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745056
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745056.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745056t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 057	<i>Name:</i> 20CWT Steam Hammer	<i>Location:</i> 1S 4	
<i>Markings</i>	Davis & Primrose. Leith. 20 CWT HAMMER 'NSWGR 665 Class HS'		
<i>Other ID nos</i>	1996 inventory no: 57. ATP016. SRA8654.		

Description:

This steam hammer is the second largest to exist in the workshops. It consists of a heavy cast-iron bed and massive curved cast-iron frame which supports the steam chest. The shaft is guided by glands which are attached immediately below the steam head. Steam is admitted on both the up and the down stroke. The letters NSWG are a cast into the body of the hammer, indicating it was most likely made to order. The hammer is located at one end of an overhead monorail crane which runs to the arch hammer.

Significance:

The 20CWT Steam Hammer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops in 1890s and one of the important elements of the steam hammer assemblage. The steam hammer was the largest ever to be erected at Eveleigh and was continuously used for nearly 100 years. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The item was introduced to the workshops in the 1890s, it is believed, in this position. It has remained here since that time and was in continuous operation for almost 100 years.

Builder:

Builder: Davis & Primrose Engineers Leith

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Good, with some grime. In operation.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 57.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: .

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745057

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745057.jpg
Copyright:
Image by:
Date:
Thumbnail: 4745057t.jpg

ATP S170 Register



File: 4745057.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745057t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 058	<i>Name:</i> 7CWT Crane	<i>Location:</i> 1S 2E	
<i>Markings</i>	L.C. -500 S.W.L. 7 CWT. CLASS 3		
<i>Other ID nos</i>	1996 inventory no: 58. ATP032.		

Description:

This small crane consists of a kingpost made of C-Section steel and a Jib of universal section. The jib is faced both front and back and the kingpost is faced from the walls. The king post is tied back to the brickwork of the east wall at two points. The job has a large counterweight and two travelling pulley wheels. The mark "PS&A Co Ltd Steel" is cast into the kingpost and "ALS Kembla" is cast into the jib. It is approximately 6m high by 8m long.

Significance:

This item is typical of the lifting equipment used in the Locomotive Workshops and demonstrates the manual handling required in the manufacture of locomotive components.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is believed to have been erected in the workshop after World War II. The Jib Crane was operated manually and was used for taking heated items from the furnaces to the 2000 weight steam hammer or the electropneumatic.

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair with surface rust and flaking paint.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 58.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 58.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745058

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745058.jpg

Copyright: ATP


Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745058t.jpg

ATP S170 Register

SHI No.:	Name:	Location:
4745 059	Blacksmith's Forge No. 9	1S 2E
Markings	'FB9'	
Other ID nos	1996 inventory no: 59.	



Description:

This forge is no longer in use and shows sign of advanced deterioration. The forge has a sheet metal and plate cowling with hinged sides rather than the typical cast-iron railway cowling and its water cooled tuyere has been removed. It appears to have been shop-built. 1200x900mm in size. May be in occasional use.

Significance:

This item is typical of the shop-built furnaces made at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop Machinery *Modification(s):* Chimney replaced.

Former Uses: Workshop Machinery

Physical Condition:

Poor condition, with surface and structural rust.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

ATP S170 Register

- 1
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'.
Reference: 59.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745059
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745059.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745059t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 060	<i>Name:</i> Massey 7 CWT Electro-pneumatic Hammer	<i>Location:</i> 1S 2	
<i>Markings</i>	B&S MASSEY LTD. MANCHESTER. ENGLAND. 7cm PNEUMATIC HAMMER PTC NSW / HH1 EVE / S/O - C1457		
<i>Other ID nos</i>	1996 inventory no: 60 SPA8653		

Description:

This Electro-Pneumatic Hammer operates on the same principle as a steam engine. The power pack for the hammer though is an air compressor which is an integral part of the hammer. A stand-alone electric motor powers the single piston air compressor which then supplies the head of the hammer with compressed air. It stands in excess of 2 metres high, is about 2.5 metres long and about 1 metre wide at the base. It has the typical C-shaped heavy cast iron construction of steam or electro-pneumatic hammers. An agent's plate reads "Marfleet & Weight P/L Melbourne". A later Crompton-Parkinson electric motor has been added.

Significance:

This hammer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of four electro-pneumatic hammers installed in the Steam Hammer Shop prior to World War II. It demonstrates the operation of the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it was installed in this location of the workshops prior to World War II.

Designer/Builder: B & S Massey

Current Use: Workshop Machinery

Modification(s): New guard to drive train, modified control lever, electric stop added.

Former Uses: Workshop Machinery

Physical Condition:

The item is in good/excellent operating condition. Minor flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 60.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 60.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745060

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745060.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745060t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 061	<i>Name:</i> Thwaites Rootes No. 6 Blower	<i>Location:</i> 1S 1E	
<i>Markings</i>	THWAITES BROS LTD. BRADFORD YORKS. ROOTES BLOWER NO.6 No.752 NSWGR Class BR 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 61. ATP027.		

Description:

The Rootes Blower is a single piston steam engine with twin shafts operating a counter-rotating vane air pump. The Blower supplies high volume low pressure air to the Blacksmiths Forges. The power pack is a simple vertical steam cylinder with a single shaft which is connected to a cross-head which has twin crank shafts. Each of the crank shafts is fitted to a driving wheel, direct coupled to a vane shaft. The item is approximately 2500x2200x2000mm.

Significance:

The item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. Along with the adjacent blower, it powered the blacksmith's shops in Bay 1 for over 75 years. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1910-1911

The Rootes Blower was manufactured by Thwaites Bros Ltd of York, England in 1910 and installed in 1911 to supply low pressure air to the Blacksmiths Forges. It is believed it was located in this position and has remained here since installation.

Designer/Builder: Thwaites Bros Ltd

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Good condition and complete, but no-operational. Dust and grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

ATP S170 Register

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 61.
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 61.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745061
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745061.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745061t.jpg

ATP S170 Register

SHI No.: 4745 062	Name: Tool rack between columns (Bay 1 South - Rack E)	Location: 1S 6E	
Other ID nos 1996 inventory no: 62e.			

Description:

A three level tool rack consisting of metal strips bolted between columns 5 and 6. Includes approximately 80 tongs of different sizes and 10 handy blocks. The items appear to be in occasional use.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Good, some surface rust

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 62e.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 265.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745062

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745062.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745062t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 064	<i>Name:</i> Anvil	<i>Location:</i> 1S 1C	
<i>Other ID nos</i> 1996 inventory no: 64.			

Description:

This heavy blacksmiths anvil is located on a wooden block set into a fixed cast-iron stand. It has been relocated since 1996 to its present location.

Significance:

This item is a part of the general assemblage of the Steam Hammer Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops and evidences the versatility of the workshops in the manufacture of tools.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This is one of several anvils used in the blacksmith's shop throughout all the years of its operation. It was probably cast in-house.

Designer/Builder: Eveleigh

Current Use: Workshop tool

Former Uses: Workshop tool

Physical Condition:

The item is in good/excellent operating condition. Some surface rust.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 64.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 63.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745064

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008


Status: Basic

ATP S170 Register



File: 4745064.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745064t.jpg

ATP S170 Register

SHI No.: 4745 065	Name: Quenching Tank with Counter-Weighted Basket	Location: 2S 3-4E	
Other ID nos 1996 inventory no: 65. ATP054.			

Description:

This small cast-iron tank with a counter-weighted steel mesh basket was used for quenching items as they came from the forge. The items were generally thrown directly into the oil bath and were then extracted by further weighting, the counter-weight lifting the basket. In March 2008 it was in use and full of oil. The tank measures 130cm (L) x 50cm (W) x 160cm (H).

Significance:

The quenching tank is a part of the Blacksmith's Shop assemblage and assists in interpreting this aspect of manufacturing on site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this quenching tank is unknown, but it likely to have been shop-built. It has been in use in the resident blacksmith's shop since at least 1996.

Designer/Builder: Eveleigh

Current Use: Workshop item

Former Uses: Workshop item

Physical Condition:

The Quenching Tank is in a good, operational condition.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Specific Recommendations:

- 1 investigate provenance

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 65.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 64.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register:*
Listing date: . Reference Number: 4745065

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745065_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745065_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 066	<i>Name:</i> Rack of assorted tools (Rack A)	<i>Location:</i> 1S 6W	
<i>Other ID nos</i>	1996 inventory no: 66a.		

Description:

This is one of a series of racks made variously from angled steel rod and bar which are placed throughout the bay. These racks support a variety of tongs, fullers, flatters and dies. They were all used in conjunction with either the electro-pneumatic hammers, the steam hammers or the olivers and hand forging operations. This rack is rectangular and built of angle iron painted red. The top rack holds ~160 tongs of various sized and the bottom rack hold ~60 handy blocks. The item is located between Columns 1 and B and is in regular use.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the items is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

The item is in good/excellent operating condition.

The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 66a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 65.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745066

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745066.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745066t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 067	<i>Name:</i> Warning Sign for 40CWT Steam Hammer	<i>Location:</i> 1S 4E	
<i>Other ID nos</i> 1996 inventory no: 67. ATP038.			

Description:

This steel sheet sign states "Warning When 40CWT Hammer is operating do not pass this way". It was meant as a safety device to prevent the area around the steam hammer being used as a thoroughfare when it was operating.

Significance:

This sign is an integral part of the 40CWT Steam Hammer assemblage. It is typical of the signage used to protect workers in the vicinity of operating machinery throughout the workshops. It represents changing nature of workplace safety practices in large-scale industry in the 20th century.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but its condition and typeface suggest that it was made in the 1970s or 1980s.

Current Use: Workshop safety

Former Uses: Workshop safety

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 67.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 66.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745067

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745067.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745067t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 068	Stands of assorted dies (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 68.

Description:

NA (disposed)

Significance:

Not located, This item has likely been relocated and renumbered within the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 1S

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 30 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 069	<i>Name:</i> Metal Trolley Bins	<i>Location:</i> 1S 5	
<i>Other ID nos</i> 1996 inventory no: 69.			

Description:

Three small metal small bins on wheels located throughout the bay, which measure about 800mm by 400mm by 500mm high is fitted with two steel legs at the rear and two wheels at the front. One lacks the metal sides. The bins are used by the blacksmiths for transporting materials and collecting scrap.

Significance:

This trolley is typical of small shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Unknown.

Designer/Builder: Eveleigh

Current Use: Workshop transport

Former Uses: Workshop transport

Physical Condition:

The item is in good/excellent operating condition.

The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 69.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 68.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745069

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745069.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745069t.jpg



File: 4745069.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745069t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 070	<i>Name:</i> Warning Sign for 40CWT Steam Hammer	<i>Location:</i> 1S 6W	
<i>Markings</i>	'WARNING WHEN 40CWT HAMMER IS OPERATING DO NOT PASS THIS WAY'/ 'NO INDUSTRIAL TRUCKS TO PASS THIS POINT'		
<i>Other ID nos</i>	1996 inventory no: 70.		

Description:

This steel sheet sign states "Warning When 40CWT Hammer is operating do not pass this way". It was meant as a safety device to prevent the area around the steam hammer being used as a thoroughfare when it was operating. The reverse of the sign reads "No industrial trucks to pass this point"

Significance:

This sign is an integral part of the 40CWT Steam Hammer assemblage. It is typical of the signage used to protect workers in the vicinity of operating machinery throughout the workshops. It represents changing nature of workplace safety practices in large-scale industry in the 20th century.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but its condition and typeface suggest that it was made in the 1970s or 1980s.

Current Use: Workshop safety

Former Uses: Workshop safety

Physical Condition:

The external surface of the item has patches of superficial rust and bare metal. The item exhibits heavy rust in places and the painted surface is scratched.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 70.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 69.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745070

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745070.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745070t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 071	<i>Name:</i> Billet holders and assorted tools	<i>Location:</i> 1S 6E	
<i>Other ID nos</i> 1996 inventory no: 71.			

Description:

A group of 9 billet holders between columns 6 and 7, as well as approximately 40 tongs and fullers piled against the side of a furnace. 4 large dies are located near the arch hammer. This series of tools consists of fullers, flatters and rods which were used in conjunction with the steam hammer or electro-pneumatic hammers.

Significance:

The billet press holders are an important component of the 20CWT steam hammer assemblage. They demonstrate the complex nature of the system that was required to operate the hammers and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The billet holders were used in association with the 20CWT steam hammers. They were probably made on site.

Designer/Builder: Eveleigh

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

The item is in good/excellent operating condition. The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 71.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 70.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745071

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745071.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745071t.jpg

ATP S170 Register

SHI No.: 4745 072	Name: Hot Metal Trolley	Location: 1S 7C	
Other ID nos 1996 inventory no: 72. ATP037.			

Description:

This hot metal trolley consists of two cast wheels on a simple axle to which two brackets have been bolted. The brackets support a slightly cupped plate steel top to which a 2.5 metre handle has been bolted. The trolley was used for receiving hot metal billets as they were brought from the furnace and allowed their manipulation as they were being attached to holders or balanced tongs.

Significance:

This trolley is typical of shop-built trolleys used during the handling of hot metal work. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is certain that it was manufactured before World War II. (GML 1996)

Designer/Builder: Eveleigh

Current Use: Workshop transport

Former Uses: Workshop transport

Physical Condition:

The item is in good/excellent operating condition. It has some grime and appears to be in occasional use.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 72.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 71.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745072

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745072.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745072t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 073	Crane Tong Support (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 73.

Description:

This Crane Tong Support consists of a roller, which ran on the Jib Crane, a wishbone, which holds a trunnion, to which a threaded shaft and wheel is attached for raising or lowering the chain which held a set of balanced tongs. furnace.

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown but is probably of the same age as the earliest of the jib cranes. The balanced tongs which held the billet for manipulation beneath the electro-pneumatic or steam hammers was passed through the chain. In this way the billet could be very easily manipulated. The tong support also allowed the transfer of the hot item back to the furnace.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 1S 4E

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 074	Metal Trolley (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 74.

Description:

This small trolley with a cast iron and timber frame was used for moving plate metal around the workshops. Small wheels at the front, pointed feet for resting.

Significance:

Not located, presume disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 1S 3

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 075	Metal Trolley with two Metal Boxes (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 75.

Description:

This small trolley has a frame supported on two small wheels and two legs. It has an angled section post in each corner which stands about 500mm high. On it are two sheet metal baskets for holding scrap steel. operations.

Significance:

Not located, presume disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 1S 2E

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 076	<i>Name:</i> 2-Ton Jib Crane	<i>Location:</i> 2S 2W	
<i>Markings</i>	LC 502 SWL 2 TONNES		
<i>Other ID nos</i>	1996 inventory no: 76.		

Description:

This is a small, relatively modern Jib-Crane with a capacity of 2 tonne. It is installed amongst the general machine tool assemblage and is mounted on a pivot set into the floor.

Significance:

This item is typical of the lifting equipment used in the Locomotive Workshops and demonstrates the manual handling required in the manufacture of locomotive components.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history is unknown but the item appears to have been introduced immediately before the workshop closed down.

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair and has no obvious signs of rust.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 76.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 75.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745076


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745076_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745076_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 077	<i>Name:</i> One Tonne Jib-Crane	<i>Location:</i> 2S 4W	
<i>Other ID nos</i> 1996 inventory no: 77. ATP084.			

Description:

This small hand operated crane, like other jib cranes which are located away from the wall is staid to the overhead crane rail beam. It consists of a universal section king post and universal section jib which is staid by a twin back-to-back angled section sealed piece. The item is mounted on a pivot set into the floor.

Significance:

This job crane is typical of the jib cranes used throughout the Workshops and haves interpret the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown, it appears to date from the mid-20th century.

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair and has no obvious signs of rust.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 77.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 76.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745077

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745077_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745077_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 078	<i>Name:</i> Frazing Wheel and Saw	<i>Location:</i> 2S 4W	
<i>Other ID nos</i>	1996 inventory no: 78.		

Description:

This Frazing Wheel was manufactured by the workshops and consists of a cast iron steel frame which supports two bearing blocks. The bearing block supports the main shaft on which the frazing wheel and saw were mounted. The shaft was driven by V-belts from a small electric motor mounted on the rear of the frame.

Significance:

This Frazing Wheel and Saw is part of the blacksmith's shop assemblage. It was constructed within the workshops using salvaged parts from other machines. It demonstrates the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it appears that it was once driven from an overhead line shaft. It was certainly in another location before being mounted here. The frazing wheel was generally used for rough trimming of hot metal and the saw was probably used for trimming hot metal pieces.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The external surface of the item has patches of superficial rust and bare metal. The painted surface of the item is deteriorating.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

ATP S170 Register

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 78.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 77.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745078
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745078.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745078t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 079	<i>Name:</i> Furnace for the Ajax Forming Machine	<i>Location:</i> 2S 4W	
<i>Markings</i>	NSWTD / FR16		
<i>Other ID nos</i>	1996 inventory no: 79. ATP076. SRA8671.		

Description:

This small gas-fired furnace is steel framed and mounted on a brick plinth. The steel-framed front door is counter-balanced with two heavy weights which consist of concrete in sections of pipe.

Significance:

This item is typical of the shop-built furnaces made in the last decades of operation at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is not known but it appears to have been departmental built and mounted in this position for some years. The item was used for heating sections before being formed in the Ajax Forming Machine. The precise method of operation is unknown. The furnace has not been in use for some time.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The furnace is in a poor structural condition and has not been used for some years. The walls are buckled adjacent to the slag holes. It is unlikely to be brought back into service.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 79.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 78.

Listings:

- 1 *Heritage Act - s 170 NSW State agency heritage register: Australian Technology Park Heritage Register*

ATP S170 Register

Listing date: 30 Jun 08. Reference Number: 4745079

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745079_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745079_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 080	<i>Name:</i> Jib crane	<i>Location:</i> 2S 5W	
<i>Other ID nos</i> 1996 inventory no: 80.			

Description:

This small hand operated crane, like other jib cranes which are located away from the wall is stayed to the overhead crane rail beam. It consists of a universal section king post and universal section jib which is stayed by a twin back-to-back angled section sealed piece. hand.

Significance:

This job crane is typical of the jib cranes used throughout the site and assists in demonstrating the complex manual handling required in locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

The item is in good structural repair and has no obvious signs of rust.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 80.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 79.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745080

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745080.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745080t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 081	<i>Name:</i> Ajax Continuous Forging Machine	<i>Location:</i> 2S 5W	
<i>Markings</i>	'THE AJAX MFG Co. / CLEVELAND / USA.' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 81. ATP074. SRA8670.		

Description:

This massive, cast-iron continuous forging machine is of the Universal type. Hot metal rod is fitted into the machine which is cut to length up-set and headed before being discharged. A number of different shaped dies can be placed in the machine. The machine is powered by a Pope electric motor, but was originally operated by line shafting. It measures 380cm (L) x 230cm (W) x 1.6cm (H).

Significance:

The Ajax Continuous Forging Machine is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the interwar period. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1922

This continuous forging machine was made by the Ajax Manufacturing Company. It was installed in 1922, and probably in this location. Hot steel rods are removed from the small furnace adjacent and fed into the machine. It was used for manufacturing a wide range of rivets, bolts and pins which were used throughout the workshops and the NSW Rail System. (GML 1996)

Designer: Ajax Manufacturing Company USA

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

The Ajax Continuous Forging Machine is in a good, operational condition despite some deterioration to its paintwork.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.
Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 81.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 80.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745081

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745081_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745081_1t.jpg

ATP S170 Register



File: 4745081_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745081_2t.jpg



File: 4745081_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745081_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 082	<i>Name:</i> Frazing Wheel and Saw	<i>Location:</i> 2S 5W	
<i>Markings</i>	'X1462' 'Australian Electrical Industries'		
<i>Other ID nos</i>	1996 inventory no: 82. ATP075.		

Description:

This Frazing Wheel was manufactured by the workshops and consists of a cast iron steel frame which supports two bearing blocks. The bearing block supports the main shaft on which the frazing wheel and saw were mounted. The shaft was driven by V-belts from a small electric motor mounted on the rear of the frame. 'Australian Electrical Industries' motor. The item measures 132cm (L) x 115cm (W) x 1250cm (H).

Significance:

This Frazing Wheel and Saw is part of the blacksmith's shop assemblage. It was constructed within the workshops using salvaged parts from other machines. It demonstrates the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1946

The frazing wheel was installed in 1946. It may have once been driven from an overhead line shaft. It was certainly mounted in another location before being mounted here. The frazing wheel was generally used for rough trimming of hot metal and the saw was probably used for trimming of metal pieces as well.

Designer/Builder: Eveleigh

Current Use: Workshop Machinery *Modification(s):* Later guard to drive shaft

Former Uses: Workshop Machinery

Physical Condition:

Overall the frazing wheel and saw is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

ATP S170 Register

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 82.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 81.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745082
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745082.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745082t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 083	<i>Name:</i> Frazing and Grinding Wheel	<i>Location:</i> 2S 6W	
<i>Markings</i>	'G866' 'Crompton Parkinson'		
<i>Other ID nos</i>	1996 inventory no: 83. ATP072.		

Description:

The Frazing and Grinding Wheel has a cast-iron bed on which is mounted a shaft which holds a frazing wheel on one end and a fifteen inch emery wheel on the other. Two bearings, integrated into the cast iron frame, support the shaft. A driven wheel is located in the middle of the shaft which is powered by a series of four V-belts by a one horsepower electric motor. There is no name plate information on the item but it is believed that it was cast in the Eveleigh Foundry and that the item has been produced by the Workshop. 'Crompton Parkinson' electric motor. The item measures 130cm (L) x 115cm (W) x 92cm (H).

Significance:

This Frazing and Grinding Wheel is part of the blacksmith's shop assemblage. It is primarily significant as an example of shop-built auxiliary machines installed in the workshops in the early 20th century. It demonstrates the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is likely that it dates from the time that this part of the blacksmith's shop had the steam hammer installed.

Current Use: Workshop Machinery *Modification(s):* Later guard to drive shaft.

Former Uses: Workshop Machinery

Physical Condition:

Overall the frazing wheel and saw is in sound condition. It bears minor surface corrosion and flaking paint and is generally covered with grime.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage

ATP S170 Register

noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 83.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 82.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745083
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745083_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745083_1t.jpg

ATP S170 Register



File: 4745083_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745083_2t.jpg



File: 4745083.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745083t.jpg

ATP S170 Register



File: 4745083_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745083_1t.jpg



File: 4745083_2.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745083_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 084	<i>Name:</i> 10 CWT Jib-Crane	<i>Location:</i> 2S 9W	
<i>Markings</i>	'SWL 10 CWT / L.C. 365'		
<i>Other ID nos</i>	1996 inventory no: 84a.		

Description:

This small hand operated crane is designed to pivot from a bracket clamped to a metal column and a plate mounted in the floor. It consists of a universal section king post and universal section jib which is staid by a twin back-to-back angled section sealed piece. The jib is painted yellow and the post is painted silver. A rope tied to the end is used to swing the jib into position.

Significance:

This item is typical of the lifting equipment used in the Locomotive Workshops and demonstrates the manual handling required in the manufacture of locomotive components.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

NA

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

Overall the crane is in good, operational condition. The paintwork is somewhat deteriorated.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 84.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 83.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745084

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745084_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745084_1t.jpg



File: 4745084.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745084t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 085	<i>Name:</i> Covmac Continuous Forging Machine	<i>Location:</i> 2S 9W	
<i>Markings</i>	'COVMAC / COVENTRY MACHINE TOOL WORKS LTD' 'NSWTD / F3099 / SO24719'. 'F / 3099' [painted on eastern end] 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 85. SRA8668.		

Description:

The Covmac Continuous Forging Machine is a massive cast-iron structure which was used for producing rivets and bolts from hot metal stock. The item was installed in this location in 1950 and has operated here until present day. This is a universal machine and a variety of heads can be placed on rivets, pins and bolts. It consists of a long bed with a large drive gear and two flywheels at the western end. It is still operational. It measures 300cm (L) x 150cm (W) x 150cm (H).

Significance:

This Covmac Continuous Forging Machine is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1950

The Covmac was manufactured by the Coventry Machine Tool Works Ltd, Coventry, England. It was installed, probably in this position, in 1950. The machine is driven by a stand-alone electric motor. It operates on the inertia principle, having a very heavy fly wheel. The hot stock is fed into the machine where it is cut to size, up-set, headed and injected. It was used for producing a variety of rivets, bolts and pins used throughout the workshops in NSW Rail Network.

Designer/Builder: Coventry Machine Tool Works

Current Use: Workshop Machinery **Modification(s):** Some guards have been removed.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Covmac machine is in good, operational condition. The paintwork is somewhat deteriorated and it is generally covered in grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

ATP S170 Register

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 85.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 84.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745085
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745085_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745085_1t.jpg

ATP S170 Register




File: 4745085_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745085_2t.jpg



File: 4745085_3.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745085_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 086	<i>Name:</i> Furnace for the Covmac	<i>Location:</i> 2S 9W	
<i>Markings</i>	'NSWTD / F592 / SO 26170'		
<i>Other ID nos</i>	1996 inventory no: 86. ATP067. SRA8669.		

Description:

This small gas-fired furnace, which was dedicated to the Covmac continuous forging machine, is gas-fired and is equipped with a heavy door on the front which, besides being counter-balanced to lift, also has a series of holes and a rest to allow longer stock which was only being headed to be placed in the forge. The furnace is built onto a brick plinth. It measures 200cm (L) x 175cm (W) x 200cm (H).

Significance:

This item is typical of the shop-built furnaces made in the 20th century. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop Machinery

Modification(s): The back of the furnace has been strengthened with section of rail track.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Covmac machine is in good, operational condition. The paintwork is somewhat deteriorated and it is generally covered in grime.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 86.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 85.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745086

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic



File: 4745086_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745086_1t.jpg

ATP S170 Register




File: 4745086_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745086_2t.jpg



File: 4745086_3.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745086_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 087	<i>Name:</i> Blacksmith's Forge No. 23 and Coke Bin	<i>Location:</i> 2S 9E	
<i>Markings</i>	On base: 'WILLIAM [ALLDAYS]'. On hood: 'GOLDMETAL / SYDNEY / No. A80'. 'NSWTD / FB23'		
<i>Other ID nos</i>	1996 inventory no: 87. ATP060.		

Description:

The Forge consists of a cast-iron frame (130x110cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to contain the heat. An electric blower is positioned at the rear of the forge. The forge is painted grey. It measures 130cm (L) x 110cm (W) x 190cm (H).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of five of the original cast-iron blacksmith forges surviving in Bay 2 South of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Workshop Machinery *Modification(s):* Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall the forge is in good condition and active use. The hood and chimney bear minor surface corrosion.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

ATP S170 Register

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 87.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 86.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745087
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745087_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745087_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 088	<i>Name:</i> Blacksmith's Forge No. 24	<i>Location:</i> 2S 6E	
<i>Markings</i>	On base: 'WILLIAM [] A[LLDAYS]'. On hood: 'GOLDMETAL / SYDNEY / No. A80'. 'NSWTD / F[B]24'		
<i>Other ID nos</i>	1996 inventory no: 88. ATP059.		

Description:

The Forge consists of a cast-iron frame (130x110cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to contain the heat. An electric blower is positioned at the rear of the forge. The forge is painted grey. It measures 130cm (L) x 110cm (W) x 190cm (H).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of five of the original cast-iron blacksmith forges surviving in Bay 2 South of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Workshop Machinery *Modification(s):* Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall the forge is in a good, operable condition and active use. Some of the paintwork is deteriorated.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

ATP S170 Register

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 88.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 87.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745088
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745088_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745088_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 090	<i>Name:</i> Blacksmith's Forge No. 25 and Coke bin	<i>Location:</i> 2S 5E	
<i>Markings</i>	'GOLDMETAL / SYDNEY / No. A80 // [symbol: stars with inverted 'A'] 'NSWTD / FB 25 / SO [blank]'		
<i>Other ID nos</i>	1996 inventory no: 90. ATP58.		

Description:

The Forge consists of a cast-iron frame (130x110cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to contain the heat. A cast concrete coke bin sits on the western side of the forge. The forge is painted grey. It measures 130cm (L) x 110cm (W) x 190cm (H).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of five of the original cast-iron blacksmith forges surviving in Bay 2 South of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display

Modification(s): Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall the forge is in good condition despite a large crack in the cast-iron base. The hood is buckled. While it is not presently in use, it could be operational.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per

ATP S170 Register

their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 90.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 88.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745090

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745090_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745090_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 091	<i>Name:</i> Allen Striker (1)	<i>Location:</i> 2S 5E	
<i>Markings</i>	'ALLEN'S / IMPROVED PATENT / STEAM STRIKER / CARDIFF 1901 / SIZE NO. 3' // 'CARDIFF JUNCTION / DRY DOCK & / ENGINEERING Co. Ld / MAKERS CARDIFF' 'NSWTD / HA389 / SO [...]' ['389' is engraved]		
<i>Other ID nos</i>	1996 inventory no: 91. ATP065. SRA8666.		

Description:

The Allen Striker is a small example of the helve type, in that the hammer is on the end of a lever which is pivoted on a shaft. The power is applied on both the up and down stroke and the force of the strike is controlled by the operator through the foot pedal. The lever or striker, is of the wishbone shape with the twin bars being attached to the shaft. Specially shaped dies are available for both the striker and for the anvil. The striker measures 130cm (L) x 90cm (W) x 120cm (H).

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and an integral component of the steam hammer shop assemblage. It is one of two strikers surviving in situ in Bay 2 south and is primarily significant as one of the few surviving machines installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1906

This Allen Striker (also known as an Oliver hammer) was made by the Cardiff Junction Dry Dock & Engineering Co Ltd to a design patented by Allen in 1901. It was installed in the Workshops in 1906. It is believed that most of these strikers were originally located in the Oliver Shop which is on the opposite side to the south road to the workshops. The Oliver or Allen Striker was the smallest of the power hammers used at Eveleigh. It was rated at 2CWT (about 100 kilos) and used to produce a wide variety of small items used throughout the workshops in the NSW Rail System.

Designer/Builder: Cardiff Junction Dry Dock & Engineering Co Ltd

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall the wheel is in a good, operational condition despite some deterioration to its paintwork and a thick coat of grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

ATP S170 Register

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 91.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 89.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745091
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745091_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745091_1t.jpg

ATP S170 Register

SHI No.: 4745 092	Name: Frazing and Grinding Wheel	Location: 2S 5E	
Other ID nos 1996 inventory no: 92.			

Description:

The Frazing and Grinding Wheel has a cast-iron bed on which is mounted a shaft which holds a frazing wheel on one end and a fifteen inch emery wheel on the other. Two bearings, integrated into the cast iron frame support the shaft. A driven wheel is located in the middle of the shaft which is powered by a series of four V-belts by a one horsepower electric motor. It is fitted with a new safety guard. It measures 120cm (L) x 110cm (W) x 150cm (H).

Significance:

This Frazing and Grinding Wheel is part of the blacksmith's shop assemblage. It is primarily significant as an example of shop-built auxiliary machines installed in the workshops in the early 20th century. It demonstrates the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

There is no name plate information on the item but it is believed that it was cast in the Eveleigh Foundry and that the item has been produced by the Workshop. It is likely that it dates from the time that this part of the blacksmith's shop had the steam hammer installed. The Frazing and Grinding Wheel is used for the rough cleaning of items which have been forged in the Bay 2 North. The Frazing Wheel consists of a series of hardened teeth which are parallel to the axis of the shaft. These teeth which have a pitch of about 7mm are used for the rough shaping of hot steel as it comes from the forge. (GML 1996)

Designer/Builder: Eveleigh

Current Use: Workshop Machinery

Modification(s): A wheel has been replaced and a safety guard fitted in recent years.

Former Uses: Workshop Machinery

Physical Condition:

Overall the wheel is in a good, operational condition despite some deterioration to its paintwork.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully

ATP S170 Register

overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 92.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 90.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745092
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745092_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745092_1t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 093	Blacksmith's Forge No. 26 and Coke Bin	2S 4E	
Markings	'AL[L]DAYS [& ONIONS / LTD] / MAKERS / [BIRMINGHAM .] LONDON' (on base) 'NSWTD / FB26 / SO [...]'		
Other ID nos	1996 inventory no: 93. ATP057.		

Description:

The Forge consists of a cast-iron frame (120x115cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The base of the frame has recessed panels for decorative effect. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. A steel-plate sheathing panel which was once fitted to the forge to contain the heat is now resting on the south side of the forge, although with a disassembled blower. A cast concrete coke bin sits on the western side of the forge. Grey painted. The forge measures 110cm (L) x 130cm (W) x 190cm (H).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of five of the original cast-iron blacksmith forges surviving in Bay 2 South of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Workshop Machinery *Modification(s):* Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall the forge is in good condition and the structure is sound. Surface corrosion is evident on the guard.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to

ATP S170 Register

match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 93.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 91.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745093
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745093_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745093_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 094	<i>Name:</i> Allen Striker (2)	<i>Location:</i> 2S 4E	
<i>Markings</i>	'ALLEN'S / IMPROVED PATENT / STEAM STRIKER / CARDIFF 1901 / SIZE NO. 3' // 'CARDIFF JUNCTION / DRY DOCK & / ENGINEERING Co. Ld / MAKERS CARDIFF' 'No. 882 / NSWGR / Class HR' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 94. ATP063. SRA8665.		

Description:

The Allen Striker is a small hearth of the helve type, in that the hammer is on the end of a lever which is pivoted on a shaft. The power is applied on both the up and down stroke and the force of the strike is controlled by the operator through the foot pedal. The lever or striker, is of the wishbone shape with the twin bars being attached to the shaft. Especially shaped dies are available for both the striker and for the anvil. Painted grey. The striker measures 130cm (L) x 90cm (W) x 120cm (H).

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and an integral component of the steam hammer shop assemblage. It is one of two strikers surviving in situ in Bay 2 south and is primarily significant as one of the few surviving machines installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1901-1916

This Allen Striker (also known as an Oliver hammer) was made by the Cardiff Junction, Dry Dock & Engineering Co Ltd to a design patented by Allen in 1901. It was installed in the Workshops in 1916. It is believed that most of these strikers were originally located in the Oliver Shop which is on the opposite side to the south road to the workshops. The Oliver or Allen Striker was the smallest of the power hammers used at Eveleigh. It was rated at 2CWT (about 100 kilos) and used to produce a wide variety of small items used throughout the workshops in the NSW Rail System.

Designer/Builder: Cardiff Junction Dry Dock & Engineering Co Ltd

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall this Allen Striker is in good condition and may be operational. It bears minor surface corrosion and is generally covered with grime and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

ATP S170 Register

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 94.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 92.
-

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745094
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745094.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745094t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 095	<i>Name:</i> Small Furnace	<i>Location:</i> 2S 3E	
<i>Markings</i>	'SAFETY FIRST / TURN FURNACE OFF / BEFORE REFUELING' 'PTCNSW / FR-16-EVE / SO [...]'		
<i>Other ID nos</i>	1996 inventory no: 95. ATP061.		

Description:

This small gas-fired furnace consists of a sheet metal and plate frame which stands about 1.2 metres high, is 600mm square in section and is lined with fire brick. It is a side heated furnace and has a small door opening at the front which measures about 200mm by 70mm. It is fitted with hooks to allow for moving about within the bay but is currently bolted to the floor.

Significance:

This item is an important component of the steam hammer assemblage and allen striker collection. It is typical of the shop-built furnaces made in the early 20th century. It represents the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is believed to have been manufactured prior to World War II. The furnace was used for heating small articles which were worked either by hand or by Allen Striker. (GML 1996)

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the forge is in a good, operable condition although it is presently decommissioned. It bears minor surface corrosion and is generally covered with grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 95.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 93.

Listings:

ATP S170 Register

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745095

Data Entry: *Date First Entered:* 8 Feb 2008


Date Updated: 7 Jul 2008

Status: Basic



File: 4745095_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745095_1t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 096	Massey 2CWT Electro-pneumatic Hammer	2S 3E	
Markings	'B&S. MASSEY Ltd / MANCHESTER' 'No. 886 / NSWGR / Class HA' (cast). 'HA / 887' (painted) 'Crompton Parkinson' (on motor). 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'.		
Other ID nos	1996 inventory no: 96 ATP51121 SR48664		

Description:

The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The length of blow and the force of the blow is controlled by a foot-ring which is operated by the blacksmith. In this case the hammer requires a single operator. The hammer was used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. Painted grey. It measures 230cm (L) x 110cm (W) x 230cm (H).

Significance:

This hammer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of four electro-pneumatic hammers installed in the Steam Hammer Shop prior to World War II. It demonstrates the operation of the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1938

The item was installed in 1938 and has remained in this location since then. It is one of four electro-pneumatic hammers installed at the time. They had the advantage over the small oliver hammers in that the blows are delivered perpendicular to the work. It was recently fitted with safety guards to the pistons and foot pedal.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

The Massey Hammer is in good, operable condition. It bears minor surface corrosion and is generally covered with grime and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully

ATP S170 Register

overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 96.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 94.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745096
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745096_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745096_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 097	<i>Name:</i> Furnace with blower	<i>Location:</i> 2S 3E	
<i>Other ID nos</i>	1996 inventory no: 97.		

Description:

This small gas-fired furnace which was built in the Workshops has a steel sheet and plate frame standing on angled section legs. It has a pivoted counter-weighted door. A large electric blower is positioned to the rear of the furnace but is not attached.

Significance:

This item is an important component of the steam hammer assemblage and allen striker collection. It is typical of the shop-built furnaces made in the early 20th century. It represents the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the furnace is unknown, but it was likely to have been built on site and used in conjunction with the electro-magnetic and Allen Strikers.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the furnace with blower are in poor condition. They bear minor surface corrosion and are generally covered with grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 97.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 95.

ATP S170 Register

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745097

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745097_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745097_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 098	<i>Name:</i> Massey 2CWT Weight Pneumatic Hammer	<i>Location:</i> 2S 2E	
<i>Markings</i>	'B&S. MASSEY Ltd / MANCHESTER' 'No. 887 / NSWGR / Class HA' (cast). 'HA / 887' (painted) 'Parkinson Austral // Rewound for 50 cycles on 1/12/65' (on motor). 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'.		
<i>Other ID nos</i>	1996 inventory no: 98 SRA8662		

Description:

The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The length of blow and the force of the blow is controlled by a foot-ring which is operated by the blacksmith. In this case the hammer requires a single operator. The hammer was used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. Painted grey.

Significance:

This hammer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of four electro-pneumatic hammers installed in the Steam Hammer Shop prior to World War II. It demonstrates the operation of the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1938

The item was installed in 1938 and has remained in this location since then. It is one of four electro-pneumatic hammers installed at the time. They had the advantage over the small oliver hammers in that the blows are delivered perpendicular to the work. It was recently fitted with safety guards to the pistons and foot pedal.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

The Massey Hammer is in good, operable condition. It bears minor surface corrosion and is generally covered with grime and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 98.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 96.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745098
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745098_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745098_1t.jpg

ATP S170 Register



File: 4745098_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745098_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 101	<i>Name:</i> Anvil	<i>Location:</i> 2N 11EC	
<i>Other ID nos</i> 1996 inventory no: 101a. ATP457.			

Description:

Anvil set in cast-iron base, measures 100cm (L) x 38cm (W) x 66cm (H). A cast-iron gauge with increments ranging from 24-127 rests on top of the anvil, and a cast-iron plate (42x37cm) rests on top of the anvil.

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops and evidences the versatility of the workshops in the manufacture of tools.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This is one of several anvils used in the blacksmith's shop throughout all the years of its operation. It was probably cast in-house.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the anvil is in good condition although it is worn with use. The base is chipped and scratched and bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 99.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 101a.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745101

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745101_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745101_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 102	<i>Name:</i> Rack of tools between columns (Bay 2 South - Rack A)	<i>Location:</i> 2S 6E	
<i>Other ID nos</i>	1996 inventory no: 102a.		

Description:

Three level tool rack consisting of metal strips bolted together between columns, holding a variety of forging tools. One of 5 racks in Bay 2 South along the eastern side near the forges. This rack is located between columns 5 and 6 and contains approximately 60 tongs and handy blocks.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 245.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 102a.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745102

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register




File: 4745102.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745102t.jpg



File: 4745102_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745102_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 103	<i>Name:</i> Swage blocks	<i>Location:</i> 2S	
<i>Other ID nos</i>	1996 inventory no: 103.		

Description:

4 large steel swage blocks of essentially identical design, on cast iron bases. Scattered in various locations throughout Bays 1 and 2. Some remain in use.

Significance:

Swage blocks were used throughout the Blacksmith's Shop. They would have been relocated as required and assist in interpreting the manual smithing processes used at the Workshops. There are 4 swage blocks with bases located through Bays 1 and 2.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Specific history not known. Essentially standard blacksmithing equipment, the swage blocks are likely to date from the late 19th or early 20th centuries.

Current Use: Workshop tool

Former Uses: Workshop tool

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 103.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 101.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745103

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745103.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745103t.jpg



Swage blocks

File: 4745103_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745103_2t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 104	Churchill Grinder	10N 13E	
Markings	'THE / CHURCHILL / MACHINE TOOL Co. Ltd / MANCHESTER ENGLAND' // 'N.H.35' [on plates at the end of the travelling bed] 'NSWTD / DG 1730 / SO 27894' ['1730' and '27894' are engraved] 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'. 'McPherson's / Ltd // MELBOURNE. SYDNEY. ADELAIDE. PERTH / AGENTS IN AUSTRALIA / FOR A.B.M.T.M LTD'. 'IGRANIC / MOTOR / CONTROL BOX / Serial No. 3345W5'		
Other ID nos	1996 inventory no: 104. ATP320. SRA8728.		

Description:

The Churchill Grinder is a large surface grinder with a portal carrying the grinding head. The grinding wheel is 38cm in diameter. An Igranic motor control box is fitted to the western face. Its electrical system is integrated and black lamps are fitted to the working areas. The cast-iron body is painted in grey-green with red elements. It measures 500cm (L) x 270cm (W) x 320cm (H).

Significance:

This Grinder is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1945

The grinder was made by the Churchill Machine Tool Co Ltd, Manchester, which was founded in 1906. It was supplied by the Sydney-based engineers and machine-tool agents McPherson's Ltd (est. in 1860, made a limited liability company in 1944, <http://www.adb.online.anu.edu.au/biogs/A150323b.htm>) and it is believed that it was originally installed in this vicinity of Bay 9 (now Bay 10) after World War II. It was an electrified, precision machine used for working flat-level surfaces for large pieces of equipment. It was operated by skilled fitter machinists and it was one of the more significant of the grinding machines which were located in Bays 8 and 9. It was restored and returned to this location in 2004.

Designer/Builder: Churchill Machine Tool Co. Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Churchill Grinder is in a fair condition, although there is a small area of structural rust in the catch tray. its counterweight is unsecured and some of its ancillary parts (including guards and belts) have been separated or lie detached on the machine. A pile of rubbish has accumulated behind the grinder. It bears minor surface corrosion and flaking paint. The belt although not original is in a fair condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per

ATP S170 Register

their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Remove rubbish, Reinstate guard and secure the counterweight with sheath stored in Bay 2N.
- 2 treat rust on catch tray

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 104.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 102.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745104

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745104_1.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745104_1t.jpg

ATP S170 Register



File: 4745104_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745104_2t.jpg



File: 4745104_3.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745104_3t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 105	Buffer Grinder and Quenching Baths (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 105.

Description:

This unusual machine comprises an electric motor, a stand on which a buffer and grinder are attached by a spindle and the spindle continues to a clenching bath where it activates a paddle via bevel gears and a vertical shaft to agitate the oil baths which is used for clench hardening of springs. hardening.

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown but it is obviously a departmental manufactured item and was probably installed around World War II.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3S 5W

Recommended Management:

Remove from list (disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 106	Furnace (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 106.

Description:

This small, cylindrical furnace was used for heating smaller items and springs prior to clenching and testing.

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

unknown

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3S 6E

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.:	Name:	Location:
4745 107	Lathe (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 107.

Description:

This small lathe is composed of an A-framed stand at one end, a rectangular stand at the other and the bed is of two C-Section elements welded together with a spacer between. The head stock is a hollow section with the driving motor located below. The lathe simply operates at a single speed, was made by the department. it.

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3S 6W

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 108	Smith and Coventry Grinder (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 108.

Description:

This small grinder is direct coupled to a small electric motor. It has been attached to a workshop-made bracket consisting of two lengths of rail track to which the grinder base plate has been attached.

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3S 5W

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 109	Small Lathe (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 109.

Description:

This small lathe is obviously departmentally made and consists of two small A-frames made from angle section steel and a bed made from back-to-back steel C-Sections. The motor drives a set of pulleys below the level of the bed and the head stock turns at a constant speed. The lathe was probably used for coiling springs.

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3S 5W

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.:	Name:	Location:
4745 110	Furnace (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 110.

Description:

This small, cylindrical furnace was used for heating items prior to heat treating. The furnace itself is about 800mm in diameter and stands about 900mm high. It is lined with refractory material and has a sheet steel skin. The furnace is located on a platform which stands about 250mm high and is about 1m square.

Significance:

Not located, presumed disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)


Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3S 6E

Recommended Management:

Remove from list

ATP S170 Register

<i>SHI No.:</i> 4745 111	<i>Name:</i> Furnace for Springs	<i>Location:</i> 2S	
<i>Markings</i>	'PTCNSW / FR 113-EVE'		
<i>Other ID nos</i>	1996 inventory no: 111. SRA8681.		

Description:

Medium-sized furnace with a low front entry. It is steel framed and fitted with a double counter-weighted lift door.

Significance:

This item is typical of the shop-built furnaces made in the last decades of operation at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1962

The item was installed in 1962 and was departmental made. The item was used for heating springs prior to partial forming in the adjacent Spring King machine. It was relocated into Bay 1 S sometime after 1996.

Designer/Builder: Eveleigh

Current Use: Display

Modification(s): Hole melted in the north side wall

Former Uses: Workshop Machinery

Physical Condition:

Overall the furnace is in a sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 111.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 110.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745111

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic



File: 4745111.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745111t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 112	<i>Name:</i> Spring King Eye Rolling Machine	<i>Location:</i> 2S	
<i>Markings</i>	'SPRING KING' 'NSWTD / SP4'		
<i>Other ID nos</i>	1996 inventory no: 112. ATP073. SRA8680.		

Description:

This machine consists of three parts, the Vicars Vane pump, the controller and the eye rolling machine itself. It has three vertical and one horizontal activated rams. The machine forms an 'I' on the end of the primary leaf of the laminate spring and this 'I' attaches to the second leaf and to the hangers on which the spring is mounted. The machine is operated by a foot pedal once the controller is set. It accommodates three different dies at any one time. The machine measures 150cm (L) x 100cm (W) x 170cm (H).

Significance:

The Spring King Eye Rolling Machine is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components in the 20th century. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was originally installed in the spring shop and relocated to this position recently.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall the Spring King machine is in sound condition.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from

ATP S170 Register

all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 112.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 111.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745112
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745112.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745112t.jpg

ATP S170 Register



File: 4745112b.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745112bt.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 113	<i>Name:</i> Vicars Vane Pump for Spring King Eye Rolling machine	<i>Location:</i> 2S	
<i>Markings</i>	'Vicars Vane Pump' 'Pope Australia' [on motor]		
<i>Other ID nos</i>	1996 inventory no: 113.		

Description:

This electrically operated pump produces the hydraulic pressure for the operation of the Spring King Eye Rolling machine (Item no. 4745112). It consists of a pump contained in a steel case, driven by a Pope electric motor. It connects to the controller (item no. 114). It measures 150cm (L) x 70cm (W) x 130cm (H).

Significance:

The Vicars Vane Pump is an integral part of the Spring King assemblage and assists in demonstrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall the Spring King machine is in sound condition. Its paintwork is deteriorated and it is generally covered with grime.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.
Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 113.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 112.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745113

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 26 Aug 2008 *Status:* Basic



File: 4745113.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745113t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 114	<i>Name:</i> Controller for Spring King Eye Rolling machine	<i>Location:</i> 2S	
<i>Markings</i>	'Vickers'		
<i>Other ID nos</i>	1996 inventory no: 114.		

Description:

This item is used to control the pumps which produce the hydraulic pressure for the Spring King Eye Rolling machine. Metal cabinet containing complicated hydraulic pipe work. Controlled by two wheels on the front. Pressure gauge reads up to 400psi. There is a lifting crop on top of the cabinet. The item measures 46cm (L) x 93cm (W) x 120cm (H).

Significance:

The Controller for Spring King Eye Rolling machine is an integral part of the Spring King assemblage and assists in demonstrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall the Spring King machine is in sound condition. Its paintwork is deteriorated and it is generally covered with grime.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.

Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 114.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 113.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745114

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745114_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745114_1t.jpg

ATP S170 Register



File: 4745114_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745114_2t.jpg

ATP S170 Register

SHI No.: 4745 115	Name: Four Wheeled Trolley	Location: 1N 14E	
Other ID nos 1996 inventory no: 115. ATP525.			

Description:

This four-wheeled trolley is 2.5 metres long and consists of the frame made of two very heavy longitudinal beams and two shorter transverse beams. The top of the longitudinal beams is fitted with steel bar to prevent wear. The simple bearing blocks hold the axle of a set of wheels front and rear. The wheels are of a cast iron railway type with C-shaped spokes.

Significance:

This trolley is typical of shop-built trolleys used during the handling of large components of hot metal work in association with the Davy Press. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it was probably built in-house to transport material on the rail tracks in the workshop. It ran on tracks near the Davy Press Furnace and may have been used to move or manipulate material into and out of the furnace.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the Trolley is in sound condition, however some of the timber is split and rotten. It bears some surface corrosion and is generally covered with grime and dust.

Recommended Management:

This item should be retained and displayed on existing trackwork to interpret the Davy assemblage.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 clean out tracks

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 115.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 114.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745115

ATP S170 Register



File: 4745115_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745115_1t.jpg



File: 4745115_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745115_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 116	<i>Name:</i> Graham & Normanton Shaper (The Halifax Shaper)	<i>Location:</i> 2S 3W	
<i>Other name(s):</i>	The Halifax Shaper		
<i>Markings</i>	'GRAHAM & NORMANTON LTD / HALIFAX . ENGLAND' 'No. 1080 / NSWGR / Class SH' 'Hugh H Scott & Co. Belfast / Ltd'		

Description:

This small shaper consists of a cast-iron bed and a cast-iron work holder of extreme versatility. The shaper drive mechanism was through a large-toothed cog located directly behind the drive. It had a 14 inch bracket, 350mm stroke and although relatively old, was an extremely versatile and accurate machine. It is fitted with a Hugh H Scott & Co. motor. It measures 260cm (L) x 200cm (W) x 130cm (H).

Significance:

This Shaper is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The shaper was made by Graham & Normanton Ltd of Halifax, England, but little else is known about this company. It is believed to have been installed in Bay 10 north (now Bay 11) between the Wars. The machine was typically used to prepare flat surfaces of relatively small items and was regarded as a precision cutting machine. It was moved to Bay 3 south by staff from the resident blacksmith's shop after the workshops closed down (GML 1996) and put back into service in the late 1990s or early 2000s.

Designer/Builder: Graham & Normanton Ltd

Current Use: Workshop Machinery *Modification(s):* electrified

Former Uses: Workshop Machinery

Physical Condition:

The shaper is in excellent, operating condition.

Further Information:

This was originally known as the 'Halifax Shaper'.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should

ATP S170 Register

be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 116.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 115.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745116

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745116.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745116t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 117	<i>Name:</i> Town & Sons Borer	<i>Location:</i> 2S 2W	
<i>Markings</i>	'TOWN' // 'FRED TOWN & SONS / MAKERS / HALIFAX . ENGLAND' 'C/B 11' 'McPherson's Pty Ltd / Australia' (brass plate). 'Brook Motors Ltd Puttersfield' (on motor)		
<i>Other ID nos</i>	1996 inventory no: 117. ATP049.		

Description:

This small borer has a radial arm and the tool head could be moved longways on the arm through a manually operated wheel. The cutting heads are fixed through the use of a taper and pin. There is evidence of repair to a handle which has been braised back together. It measures 130cm (L) x 70cm (W) x 210cm (H).

Significance:

This borer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The small borer was manufactured by Fred Town & Sons of Halifax, England and supplied by local agents McPherson's Pty Ltd (founded in the 1860s, named McPherson's Pty Ltd in 1913 and renamed McPherson's Ltd in 1944) at some time prior to the end of WWII. It was used for producing or enlarging holes which had been drilled or turned in various steel parts or sections. It is unknown in which Bay the borer was originally installed or where it was last used prior to the closure of the workshops. It was moved to Bay 3 south by staff from the resident blacksmith's shop after the workshops closed down (GML 1996) and put back into service in the late 1990s or early 2000s.

Designer/Builder: Fred Town & Sons

Current Use: Workshop Machinery *Modification(s):* Electrification

Former Uses: Workshop Machinery

Physical Condition:

The Town & Sons Boring Machine is in an excellent, operational condition.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.
Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Specific Recommendations:

- 1 Investigate history of the machine and its use at Eveleigh

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 117.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 116.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745117
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745117.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745117t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 118	<i>Name:</i> Landis Screw Cutting Machine	<i>Location:</i> 2S 2W	
<i>Markings</i>	'LANDIS MACHINE / WAYNESBORO. PENNA. / MADE IN THE USA' 'NSWTD / SC539 / SO 27891' 'Crompton Parkinson' (motor)		
<i>Other ID nos</i>	1996 inventory no: 118. ATP080. SRA8722.		

Description:

This item has a massive cast-iron bed and was originally used for precision screw cutting on a wide range of bolts used throughout the rail network. Steel stock is fed through the special ways at the front of the machine into the screw cutting chucks. The screw cutting, once commenced is fed automatically. It is fitted with a Crompton Parkinson motor and yellow safety guards over the drive belts. It measures 160cm (L) x 110cm (W) x 150cm (H).

Significance:

This Screw Cutting Machine is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The screw cutter was made by Landis Machine Company (formed in 1903) who were innovators in the mass manufacture of threaded fasteners. It is believed to have been installed initially in Bay 10 North (now Bay 11) between the Wars. It was moved to Bay 3 south by staff from the resident blacksmith's shop after the workshops closed down (GML 1996) and put back into service in the late 1990s or early 2000s.

Designer/Builder: Landis Machine Company

Current Use: Workshop Machinery *Modification(s):* Electrified; safety guards

Former Uses: Workshop Machinery

Physical Condition:

The screw cutter is in excellent, operating condition.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

ATP S170 Register

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 118.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 117.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745118

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745118_1.jpg
Copyright:
Image by:
Date:
Thumbnail: 4745118_1t.jpg

ATP S170 Register



File: 4745118_2.jpg


Copyright:

Image by:

Date:

Thumbnail: 4745118_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 119	<i>Name:</i> Herbert Tool and Cutter Grinder	<i>Location:</i> 10N 11E	
<i>Markings</i>	'[AL]FRED HERBERT LTD COVENTRY No. 4' '632 / NSWGR / Class G'. 'NSWTD' (on wrench) 'Crompton & Parkinson' (on motor)		
<i>Other ID nos</i>	1996 inventory no: 119. ATP313. SRA8733.		

Description:

This small tool and cutter grinder consists of a base, a circular pedestal and a bed which can be both adjusted and fed horizontally in two directions. The cross feed and transfer feed is controlled by two handles located on the operator's side of the machine. The small grinding head (15 cm in diameter) is contained on the opposite side to the feed mechanism and is driven through a stand-alone electric motor made by Crompton & Parkinson. An oil sump is fitted at the back. A scratch-built aluminium tool rest has been attached to the right side of the grinder and the left rest has been snapped off and repaired during the machine's use life. Loose tools, including a wrench, are currently placed on the machine. The grinder measures 145cm (L) x 135cm (W) x 130cm (H).

Significance:

This tool and cutter grinder is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as evidence for a rare and important trade and being one of the surviving machines installed in the workshops prior to World War I. It demonstrates the operation of the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The grinder was made by Alfred Herbert Ltd (1894-1983) of Coventry, England, probably prior to WWI and was originally belt-driven. It is unknown in which bay the item was originally installed. It would been operated by a skilled tool and cutter grinder to sharpen cutting and other tools for use in lathes and other machinery used throughout the workshops. It bears evidence of repair and modification and in 1986 it was in use in the Tool Room (Bay 14N, see Item 27, Godden & Associates: 1986: 25). After the closure of the workshops it was located in Bay 3 south and was restored and put on display in Bay 10 in 2004.

Designer/Builder: Alfred Herbert Ltd

Current Use: Display

Modification(s): Electrified; repairs

Former Uses: Workshop Machinery

Physical Condition:

Overall the grinder is in sound condition despite being worn with use. The guard over the drive chain is in tact but bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 remove loose tools

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 119.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 118.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745119

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745119_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745119_1t.jpg

ATP S170 Register



File: 4745119_2.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745119_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 120	<i>Name:</i> Cincinnati Milling Machine	<i>Location:</i> 2S 6W	
<i>Markings</i>	'CINCINNATI MILLING MACHINE LTD / BIRMINGHAM . ENGLAND' 'NSWTD / MM 3668 / SO 27212'. 'C/B 38'. 'For service apply to Gilbert & Long'		
<i>Other ID nos</i>	1996 inventory no: 120. ATP079. SRA8726.		

Description:

This milling machine consists of a cast-iron bed with steel ways, a machine mounting and a large machine head which can move the cutting head both vertically and horizontally. It measures 280cm (L) x 200cm (W) x 190cm (H).

Significance:

This Milling Machine is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This milling machine was manufactured by Cincinnati Milling Machine Ltd (1884-) of Birmingham, England. Its electrical system has been replaced in its uselife and lamps fitted. It is unknown when or where it was first installed at the Eveleigh works but in 1996 was stored in Bay 3 south (6W). It was moved to Bay 2 South in the late 1990s and put back into service for use in the on-site blacksmith shop.

Designer/Builder: Cincinnati Milling Machine Ltd

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

The Cincinnati Milling Machine is in an excellent, operational condition despite some deterioration to its paintwork.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

ATP S170 Register

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 120.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 119.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745120
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745120_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745120_1t.jpg

ATP S170 Register



File: 4745120_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745120_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 121	<i>Name:</i> Bed from Societe Genevoise Hydroptic Jig Borer	<i>Location:</i> 2N 12E	
<i>Markings</i>	'SOCIETE GENEVOISE / MADE IN SWITZERLAND'		
<i>Other ID nos</i>	Type: PABB / Ni.de serie 357' 1996 inventory no: 121. ATP450.		

Description:

60cm diameter circular bed for Societe Genevoise Hydroptic Jig Borer

Significance:

This item has no significance in its own right but is part of the Societe Genevoise Hydroptic Jig Borer

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

See record for the Societe Genevoise Hydroptic Jig Borer.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the bed for the Societe Genevoise Hydroptic Jig Borer is in sound condition. It bears minor surface corrosion and is generally covered with grime and dust.

Further Information:

The original inventory describes this bed as belonging to the Genevoise Drilling and Boring Machine but a red tag on the item indicates that it belongs to the Societe Genevoise Hydroptic Jig Borer. The makers plate on the bed also suggests that it is from the Societe Genevoise Hydroptic Jig Borer.

Recommended Management:

Reinstate with 135.

Specific Recommendations:

- 1 Reinstate with 135
- 2 Delete this record.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 121.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 120.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745121

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745121_.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745121_t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 122	<i>Name:</i> Bed from the Genevoise Drilling and Boring Machine	<i>Location:</i> 8S 2C	
<i>Other ID nos</i>	1996 inventory no: 122.		

Description:

This item belongs with item 135, the Genevoise Drilling and Boring Machine.

Significance:

See Genevoise Drilling and Boring Machine. This item has now been reinstated on that machine.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

A spare machining bed for use with the Genevoise Precision Drilling Machine

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

See Genevoise Drilling and Boring Machine.

Specific Recommendations:

- 1 delete this record

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 122.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 121.

Listings:

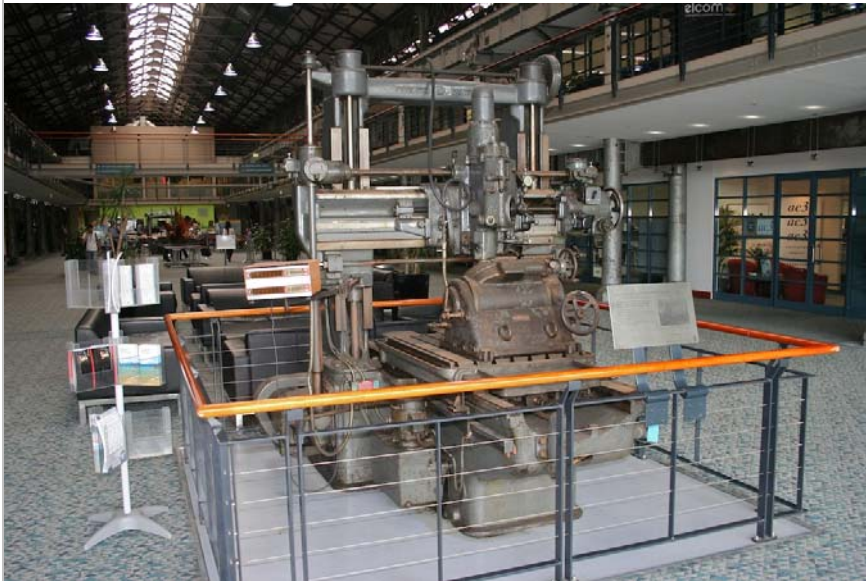
- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745122

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745122.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745122t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 123	<i>Name:</i> Pedding Haus Shearing Machine	<i>Location:</i> 2N 14-15EC	
<i>Markings</i>	'ORIGINAL / PEDDING HAUS // Masch. _ No. / K258/8009FF' NSWTD / SR1 / SO 1-29-0226 'Supplied by / NORMAN N. BENSON & CO / Pty Ltd / ... MELBOURNE ... / ...CAMPERDOWN ...'		
<i>Other ID nos</i>	1996 inventory no: 123. ATP427. SRA8715.		

Description:

This machine was used for shearing plate or rod spring stock. It is a large heavy machine made from bolted and riveted plate rather than cast sections and measures 126cm (L) x 125cm (W) x 222cm (H). The shears are operated by a belt attached to a very large driven wheel, the speed of which is broken down by a gear train. A small Unibeam lamp is fitted

Significance:

The item is an integral part of the Spring Shop operational group and demonstrates one of the important industrial processes used within the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it is believed that it has been in the workshops since the 1950s. It was used to shear steel bars or rods. Bar or rod stock was fed through from the back onto a bench fitted with a stock and then cut. The slow shearing action allowed the stock to be fed through continuously.

Designer/Builder: Pedding Haus

Current Use: Display

Modification(s): Converted to electric.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Pedding Haus Shearing Machine is in sound condition. It bears some surface corrosion and flaking paint and is generally covered with grime and dust. A volume of oil has pooled around the base of the machine.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 123.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 122.

ATP S170 Register

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745123
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745123_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745123_1t.jpg

ATP S170 Register



File: 4745123_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745123_2t.jpg



File: 4745123_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745123_3t.jpg

ATP S170 Register



File: 4745123_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745123_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 124	<i>Name:</i> Reheating Furnace	<i>Location:</i> Outside	
<i>Markings</i>	'PTCNSW / FR.145.EVE / S/O [-]'		
<i>Other ID nos</i>	1996 inventory no: 124. SRA8718.		

Description:

This is a relatively small furnace in the spring shop which was used for heating springs prior to heat treating. The furnace is manufactured from sheet and plate steel and lined with fire bricks, with four gas burners. The furnace is fitted with a counter-weighted lever operated door and a large plate at the front for resting tools and/or springs. 1400 x 1700 x 2200mm.

Significance:

This item is a typical example of its class which lacks sufficient integrity to warrant conservation. It does not have good historical provenance within the site and is not unique to railway manufacturing processes. It is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown but it is believed to have been manufactured prior to the Second World War. The heating is done indirectly and the flame does not impinge directly onto the spring.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

This item has been stored outside for many years and is subject to structural corrosion.

Recommended Management:

Archivally record and dispose. As there are other examples of similar furnaces in better condition, it is not considered necessary to conserve this item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 124.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 123.

Listings:

- 1 :
Listing date: . Reference Number: 4745124

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745124_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745124_1t.jpg

ATP S170 Register

SHI No.: 4745 125	Name: Whitham Spring Coiler	Location: 10N 14E	
Markings	'F. E. WHITHAM STANDARD TOOL CO. / SOWERBY BRIDGE YORKSHIRE' 'No. 795 / NSWGR / Class MSC' ['795' is engraved] 'REDUSPEED MOTOR // ASEA' [on each side]. 'DANGER / DO NOT SWITCH / OFF EMERGENCY / USE ONLY'		
Other ID nos	1996 inventory no: 125. ATP325. SRA8732.		

Description:

The machine is about 4 metres long and stands in excess of a metre high. It is fitted with a large, open gear at the head-stock end which rotates the mandrel on which the spring is formed. The spring coiler has the basic shape of a lathe and, in most respects, resembles one. The tailstock has a shorn edge (evidence of shop repair). An Asea Reduspeed motor is fitted to the east side. An 18cm diameter spring coil rests on the bed. Traces of the original paintwork are visible. The coiler measures 360cm (L) x 160cm (W) x 153cm (H).

Significance:

This spring coiler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: -1912

This coiler was built by the F. E. Whitham Standard Tool Co., Sowerby Bridge, Yorkshire, England prior to World War I and was installed in the Spring Shop in 1912. Coil springs were formed in the machine by winding heated rods around the central mandrel. Different sized springs were formed by using mandrels of different diameter. It was originally belt-driven and powered by the overhead line shafts but electrified at a later date. The coiler was restored and relocated to Bay 10 in 2004.

Designer/Builder: F. E. Whitham Standard Tool Co.

Current Use: Display

Modification(s): Electrification

Former Uses: Workshop Machinery

Physical Condition:

Overall the Whitham Spring Coiler is in sound condition and has been recently degreased (although it would benefit from re-treatment in some places). It bears minor surface corrosion and deteriorated paintwork.

Further Information:

Described as a Spring turner in 1986 (bay 3N).

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 125.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 124.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745125
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745125_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745125_1t.jpg

ATP S170 Register



File: 4745125_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745125_2t.jpg



File: 4745125_3.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745125_3t.jpg



**Forming a coil spring on the
Witham Spring Coiler, c.1920s.
(Ref: NSW State Records
B281357)**

NSW State Records [B281357]

File: 4745125_historic.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745125_historic.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 126	<i>Name:</i> Departmental Grinder	<i>Location:</i> 15N 15E	
<i>Markings</i>	'MW 10215' [cast in base] NSWGR / 364 / Class G 'Brooks Motors Ltd / Huddersfield / England / T107884W' [on motor]		
<i>Other ID nos</i>	1996 inventory no: 126. ATP340. SRA8723.		

Description:

This grinder is fitted with a small adjustable, pivoting table which has longitudinal and transverse travel and a grinding wheel above the table. A spare bed may have been swapped in and out. A Brooks Motors Ltd (Huddersfield, England) motor is attached. A number of items have been removed, including: a second wheel, a motor control box (removed from the base), other electrical cabling and protective guards. The bed is no longer attached. It measures 130cm (L) x 90cm (W) x 250cm (H).

Significance:

This grinder was constructed within the workshops using salvaged parts from other machines. It demonstrates the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is not known when the Departmental Grinder was manufactured but it is believed to be about 1940 when the war prevented the introduction of imported machines. It has been scratch-built from other redundant machinery parts. The base was possibly cast at the Eveleigh Workshops. This particular grinder was originally used in Bay 14 North (now 15N) to grind and sharpen tools and cutters. It was relocated to Bay 3N some time before 1995 and was returned to Bay 15N in 2004.

Designer/Builder: Eveleigh

Current Use: Display

Modification(s): Guard rails and plates were later additions. It was electrified at a later date.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Departmental Grinder is in sound condition, although many elements have been removed. It bears some surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 reinstate loos beds and tool fitting

ATP S170 Register

2 find guard

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 126.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 125.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745126
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745126_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745126_1t.jpg

ATP S170 Register



File: 4745126_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745126_2t.jpg



File: 4745126_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745126_3t.jpg

ATP S170 Register



File: 4745126_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745126_4t.jpg



File: 4745126_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745126_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 127	<i>Name:</i> Craven Brothers Pedestal Drill	<i>Location:</i> 15S 1E	
<i>Markings</i>	1) 'CRAVEN BROTHERS / LIMITED / 1899 / MANCHESTER' // 1) 'CRAVEN BROTHERS / LIMITED / No. 6204 / MANCHESTER' No. 31 / NSWGR / Class D		
<i>Other ID nos</i>	1996 inventory no: 127. ATP343. SRA8721.		

Description:

The bed for the drill holds the pedestal which has a curved extension at the rear to hold the driving pulleys and two extensions at the front to hold the drill head. This is attached to a series of four variable speed pulleys at the bottom of the pedestal and an equivalent reverse set at the top rear of the pedestal. This four speed drill could be further modified by two gear trains attached to the driving and driven shafts of the driving head of the drill. The drill head itself was fixed except for limited drill travel and the slotted circular stockbed could be raised and lowered on the cast iron ways cut on the external surfaces of the pedestal. This drill measures 195cm (L) x 90cm (W) x 300cm (H). It rests on a concrete base.

Significance:

This Pedestal Drill is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops in the late 19th century. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1899

This pedestal drill was manufactured by Craven Brothers, Manchester, England in 1899. It is believed to have been installed in Bay 14 in the same year and would have been belt-driven from the line shafting. It was then transferred to a number of locations before being placed in a number of small workshops to the south of the main suite of buildings (GML 1996) where it was used as a general purpose tool for various operations. It was moved to Bay 3N in 1989 and repositioned in Bay15S in 2004.

Designer/Builder: Craven Brothers

Current Use: Display

Modification(s): Guards, electrification

Former Uses: Workshop Machinery

Physical Condition:

Overall the Craven Brothers Pedestal Drill is in good condition. It bears minor surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to

ATP S170 Register

determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 127.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 126.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745127
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745127_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745127_1t.jpg

ATP S170 Register



File: 4745127_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745127_2t.jpg



File: 4745127_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745127_3t.jpg

ATP S170 Register



File: 4745127_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745127_4t.jpg



File: 4745127_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745127_5t.jpg

ATP S170 Register



File: 4745127_6.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745127_6t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 128	<i>Name:</i> Robey-Smith Bevel Wheel Planer	<i>Location:</i> BioMed Building	
<i>Markings</i>	The Robey-Smith Bevel Wheel Planer // Buck & Smith & Coventry's Patent Manchester NSWGR No. 393 Class P		
<i>Other ID nos</i>	1996 inventory no: 128. SRA8720.		

Description:

This Bevel wheel planer is an early machine used for planing gear wheels. It consists of an L-shaped cast iron chassis with a line-driven planing wheel on one leg of the L and a moveable lathe bed on the other leg, which allowed the metal being worked to be carefully adjusted against the cutting head.

It is about 2.5 metres long, 2 metres wide and stands about 1.8 metres high. Its extremely complex construction involves pre-WWI technology and a close inspection can reveal its mode of operation.

Significance:

The Robey-Smith Bevel Wheel Planer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site. The item exhibits a high degree of structural integrity.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1911

The item was manufactured in 1911 and was probably located for most of its life in Bay 9. It was in Bay 3 in 1996 and was relocated to the BioMedical Building as a display item around 2004.

Designer: Buck & Smith & Coventry Patent
Builder: Manchester

Builder: Robey-Smith

Current Use: Display
Former Uses: Workshop Machinery

Physical Condition:

This item is in good condition and has been relocated within the lobby of the BioMedical building as a display item. On display behind a custom-made bronze and glass barrier.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 128.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 127.

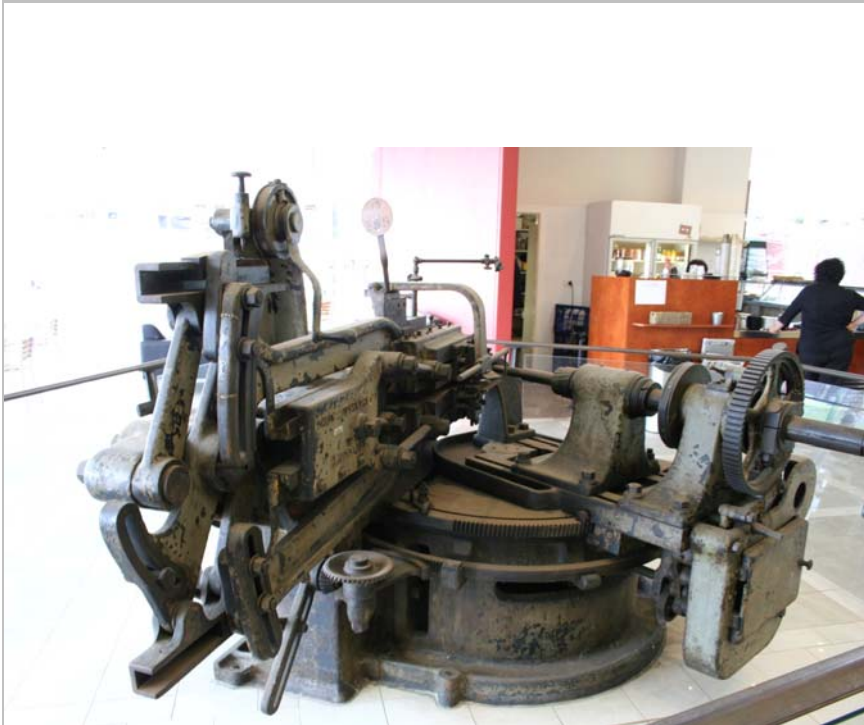
Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745128
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745128_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745128_1t.jpg

ATP S170 Register



File: 4745128_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745128_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 129	<i>Name:</i> Furnace	<i>Location:</i> 1N 12W	
<i>Other ID nos</i> 1996 inventory no: 129.			

Description:

This small heating furnace was operated on gas. It is now missing its front door and is in poor condition.

Significance:

This item is typical of the shop-built furnaces made in the 20th century. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

In general, the item appears to be incomplete and not operable because of missing components. The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 129.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 128.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745129

ATP S170 Register

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745129_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745129_1t.jpg



File: 4745129.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745129t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 130	<i>Name:</i> BSA Centreless Grinder	<i>Location:</i> 15N 15W	
<i>Markings</i>	BSA TOOLS LTD / Birmingham / England No. 1360 / NSWGR / Class G TEGALEMIT / MADE IN ENGLAND / [] of 464		
<i>Other ID nos</i>	1996 inventory no: 130. ATP339. SRA8725.		

Description:

The centreless grinder which is now missing the front and rear supports is a machine for grinding shafts. Rather than set the shaft between two centres on a lathe and grinding it smooth by moving a wheel against the turning shaft, centreless grinding involves supporting the shaft on a series of rollers and bringing it passed a spinning stationery grinding wheel. It is fitted with a Tegalemit oil filter.

Significance:

This Borer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: -1941

The BSA Centreless Grinder was installed in 1941 and was originally located in Bay 13 north. It exhibits pre-WWII manufacturing technology and was originally belt-driven from the line-shafting and was later electrified. The grinder was transferred to Bay 3N when the workshop closed down and in 2004 restored for display and relocated to Bay 15N.

Current Use: Display

Modification(s): guards; electrification

Former Uses: Workshop Machinery

Physical Condition:

Overall the BSA Centreless Grinder is in good condition. It bears some surface corrosion and flaking paint, but has been degreased recently.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

1 reinstall line shafting here

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 130.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 129.

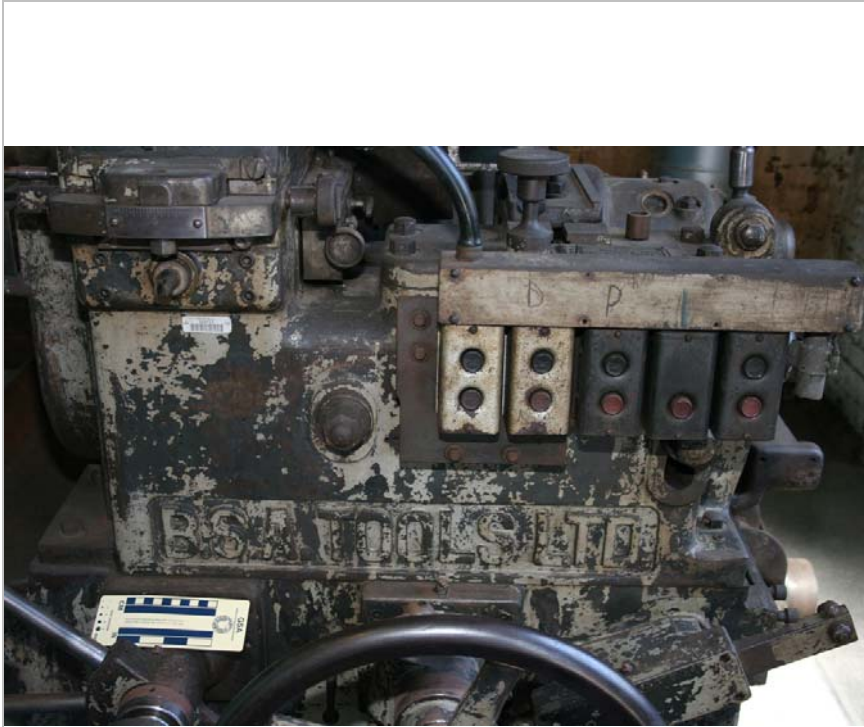
Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745130
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745130_1.jpg

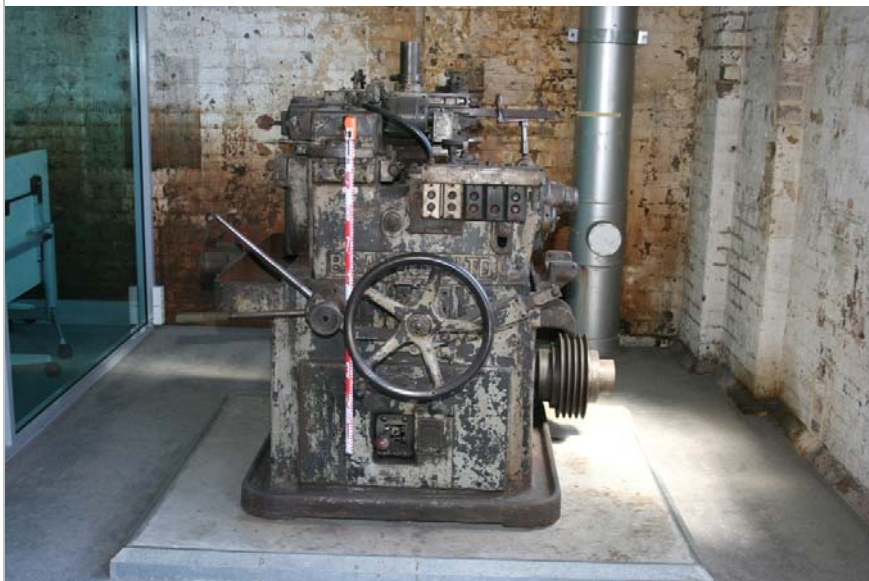
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745130_1t.jpg

ATP S170 Register



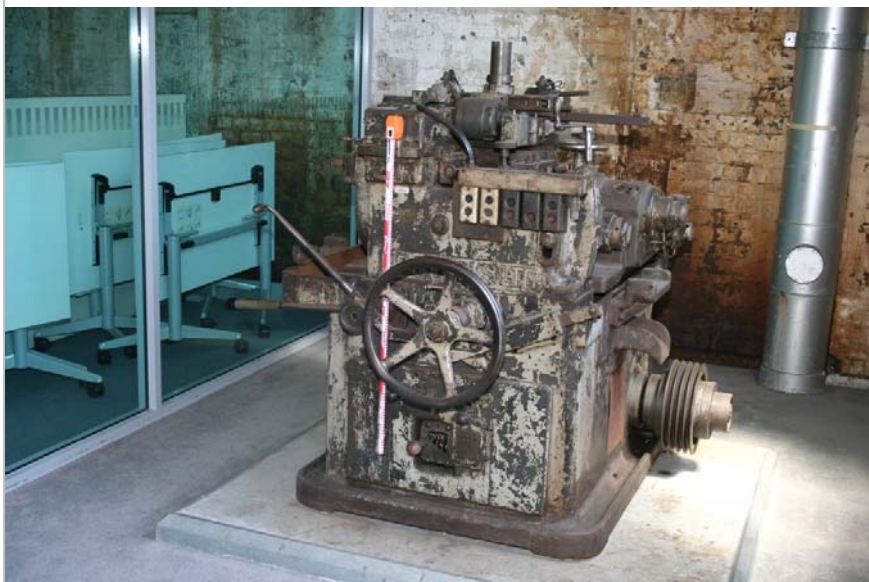
File: 4745130_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745130_2t.jpg



File: 4745130_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745130_3t.jpg

ATP S170 Register



File: 4745130_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745130_4t.jpg



File: 4745130_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745130_5t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 131	Ward Hexagon Turret Lathe	10N 12E	
Markings	'No. 7 / HW WARD & CO LTD MAKERS / BIRMINGHAM / ENGLAND' // 'No. 7 Hexagon Turret Lathe // WITH COVERED BED' 'NSWTD / LT 1871 / SO 28596' ('LT1871' and '28596' are engraved) 'B/T/H. // British Thompson-Hewston Co. Ltd / Rugby / England' (on motor). 'McPherson's Ltd. / Melbourne. Sydney. Agents for ABMTM Ltd.' (on south end)		
Other ID nos	1996 inventory no: 131. ATP314. SRA8729.		

Description:

Four meter long lathe with two separate chucks 82cm apart and a hexagonal turret head to hold six tools. One chuck is attached to the turret head. The other has a guard but no tools and was perhaps used for auxiliary hand-tooling. The bed has a number of different hand controls for precise machining. It is fitted with a British Thompson-Hewston motor. It measures 390cm (L) x 135cm (W) x 165cm (H) and rests on a concrete bed.

Significance:

This Lathe is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale automated machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1940

The lathe was manufactured by H. W. Ward & Co. Ltd (founded in 1890) of Birmingham, England in the 1920s or 1930s and supplied by McPherson's Ltd, agents for ABNTM. It was installed in Bay 11 north (now Bay 12) in about 1940 and was typical of turret lathes manufactured between the Wars. It would have been used to work more complex jobs by allowing for a series of operations to be conducted on a single item. The turret allows tools to be changed in quick succession as each operation is carried out. The lathe was extremely versatile and exhibits the epitome of integrated automatic cutting lathes. The lathe was moved to Bay 10 south at the close of the workshops moved to Bay 10 north for display in 2004.

Designer/Builder: HW Ward

Current Use: Display

Modification(s): May have originally run on line shafting as the electric motor appears to be a later addition.

Former Uses: Workshop Machinery

Physical Condition:

The Ward Lathe survives in good display condition. It has been recently degreased, but there is minor surface corrosion on the handles. An excess of oil is pooled around the base of the machine. The northern leg of the auxiliary chuck is currently not supported on the concrete base.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the

ATP S170 Register

conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 prop up the northern leg of the auxillary chuck
- 2 Clean out excess oil and replace with thin coat of oil.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 131.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 130.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745131
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745131_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745131_1t.jpg

ATP S170 Register



File: 4745131_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745131_2t.jpg



File: 4745131_3.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745131_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 132	<i>Name:</i> Ormerod Vertical Shaper	<i>Location:</i> 10N 11W	
<i>Markings</i>	'ORMEROD SHAPERS LTD / HEBDEN BRIDGE / ENGLAND'. 'ORMEROD MACHINE NO. 4841' 'No. 1396 / NSWGR / Class SL'. '10/126' (on yellow paddle) 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'. 'A. H. / SOLE AGENTS / ALFRED HERBERT / (AUSTRALASIA) LTD / SYDNEY, N.S.W. // MADE IN GT. BRITAIN'. 'Pope / 30-107' (on motor)		
<i>Other ID nos</i>	1996 inventory no: 132. ATP336. SRA8730.		

Description:

The vertical shaper consists of a cast-iron pedestal bed and an open style rather than an arch or portal head. The bed can be moved longitudinally, transversally and is fitted with a rotating mounting table with longitudinal and transverse T slots. The vertical shaper has the advantage over the horizontal shaper in that far heavier items and items of much more complex shape can be fitted to the carriage. A Pope motor is fitted to the eastern side. The shaper measures 335cm (L) x 205cm (W) x 275cm (H). The bed is 175cm (L), the transverse bed 185cm (L) and the circular bed is 95cm in diameter.

Significance:

This Shaper is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale high-capacity machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1940

The item was manufactured by Ormerod Shapers Ltd, Hebden Bridge England, between the Wars and is believed to have been installed in the workshops in Bay 10 south (now Bay 11) in 1940 (GML 1996). It was supplied by the Sydney office of English engineers Alfred Herbert Ltd. The shaper was removed to Bay 3 north when the workshops closed down. It was conserved and put on display in Bay 10 in 2004.

Designer/Builder: Ormerod Shapers Ltd

Current Use: Display

Modification(s): Metal guard fitted on the north side and work lamps are later additions.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Ormerod Shaper is in good condition. It has recently been degreased. All guards and the original motor are intact. It bears minor surface corrosion. There are approximately 10 sheet metal guards, screws and a lever loose on the bed.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Secure loose items on the bed.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 132.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 131.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745132
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745132_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745132_1t.jpg

ATP S170 Register



File: 4745132_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745132_2t.jpg



File: 4745132_3.JPG

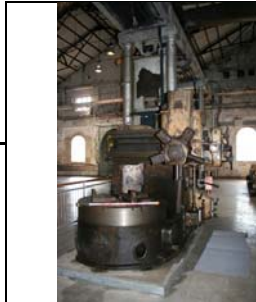
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745132_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 133	<i>Name:</i> Webster & Bennett 60" Single Vertical Borer	<i>Location:</i> 10N 13W	
<i>Markings</i>	'WEBSTER / & / BENNETT LTD / COVENTRY / ENGLAND'. 'W&B' (logo on turret head) 'No. 913 / NSWGR / Class BV'. '9/116' (on paddle) 'SUPPLIED BY / GILBERT LODGE & Co. Pty Ltd / Australia & New		

Description:

This cast-iron boring machine is fitted with a turret head which would take a series of boring tools. The basic C-shape is typical of borers of this style and the exceptionally heavy bed was used to move the stock passed the cutting head. Items to be bored are mounted on the rotating bed and are rotated as the boring takes place. A sheet metal guard protects the counterweight. The borer is painted yellow-brown and measures 330cm (L) x 260cm (W) x 283cm (H).

Significance:

This Borer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1940

This borer was manufactured by engineers and machine-tool manufacturers Webster & Bennett Ltd of Coventry, England, and supplied by local agents Gilbert Lodge & Co. Pty Ltd (1908-). It was installed in Bay 9 north (now Bay 10) in 1940. It was moved to Bay 3 when the workshops closed and returned to Bay 10 in 2004 after conservation treatment.

Designer/Builder: Webster & Bennett Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Borer is in good condition and has been recently degreased. It bears minor surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

ATP S170 Register

- 1 Reference: 133.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 132.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745133
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745133_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745133_1t.jpg

ATP S170 Register



File: 4745133_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745133_2t.jpg



File: 4745133_3.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745133_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 134	<i>Name:</i> Genevoise Drilling and Boring Machine	<i>Location:</i> 8N 10C	
<i>Markings</i>	'SOCIETE GENEVOISE / GENEVE / SUISSE' No. 1043 / NSWGR / Class X' 1) 'Type PD-6a No. 143' 2) 'Representative / C. W. Done / Sydney'		
<i>Other ID nos</i>	1996 inventory no: 134. ATP308. SRA8724.		

Description:

This item was regarded as the most impressive of the precision drilling and boring machines in the railway workshops. The machine was primarily used to allow the very accurate placement of holes into articles being machined, in the days before computer control. It consists of a portal which holds a very delicately balanced tool frame head and a stock holder which can be turned through any number of positions in the horizontal plan. It measures 310cm (L) x 230cm (W) x 260cm (H). The milling bed measures 102 x 150cm.

Significance:

This drill and borer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the interwar period. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1930

This precision drill and borer was installed in 1930 in a special, dust-free room located in the tool shop (Bay 9). Owing to the machine's capacity for accuracy, it was operated only by selected tool makers. It was in use for a variety of precision operations until the 1980s and adapted for computer controls. It was installed in Bay 8N in 2004 as an interpretive display item.

Designer: Genevoise

Current Use: Display

Modification(s): Computerisation

Former Uses: Workshop Machinery

Physical Condition:

This Drilling and Boring Machine is in excellent condition. It has been recently degreased and its paintwork is sound.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

ATP S170 Register

- 1 Reference: 134.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 133.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745134
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745134_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745134_1t.jpg

ATP S170 Register



File: 4745134_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745134_2t.jpg



File: 4745134_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745134_3t.jpg

ATP S170 Register



File: 4745134_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745134_4t.jpg



File: 4745134_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745134_5t.jpg

ATP S170 Register



File: 4745134_6.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745134_6t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 135	Societe Genevoise Hydroptic Jig Borer	8S 2C	
Markings	SOCIETE GENEVOISE / GENEVE [GSIP symbol] SUISSE / MADE IN SWITZERLAND // Hydroptic No. 1284 / NSWGR / Class X 1) 'Type: Hydroptic No. 642 T 68°F' 2) 'Supplied by/ The Mechanical Precision/ Equipment Company/ 8 Bridge Street/ Sydney' 3) 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
Other ID nos	1996 inventory no: 135. ATP309. SRA8719.		

Description:

The Jig Borer consists of a portal which holds a very delicately balanced tool frame head and a stock holder which can be turned through any number of positions in the horizontal plane. The machine was primarily used to allow the very accurate placement of holes into articles being machined, in the days before computer control. The frame head moved vertically and the milling head horizontally. An additional head was installed to allow drilling at an angle. A Newall digipac controller is installed on the western side. The machine measures 260cm (L) x 210cm (W) x 260cm (H); the bed measures 260 x 95cm.

Significance:

This Lathe is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the interwar period. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1939

This large precision drill and borer was made by the Société Genevoise d'Instruments de Physique (SIP) in Geneva, Switzerland. The 'Hydroptic' model with a hydraulic table-feeding mechanism and optical magnification to read precision scales and adjust settings, was introduced in 1934. The machine was installed in a special, dust-controlled room within the tool shop Bay 9 in 1939. It was regarded as the most impressive of the precision drilling and boring machines in the railway workshops (GML 1996). Owing to the machine's capacity for accuracy, it was operated only by selected tool makers. It was in use for a variety of precision operations until the 1980s and was adapted for computer controls. It was moved to Bay 3N after the closure of the shops and restored and relocated to the entrance of Bay 8 in 2004.

Designer/Builder: Société Genevoise d'Instruments de Physique (SIP)

Current Use: Display

Modification(s): Computerisation

Former Uses: Workshop Machinery

Physical Condition:

Overall the Hydroptic Jig Borer is in good condition and has benefitted from recent restorative works. The machine has been degreased and obvious corrosive patches have been treated and many parts (including the bed, formerly Item 122 in GM 1996) have been reinstated. The machine continues to bear minor surface corrosion, flaking paint and is generally covered with light dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any

ATP S170 Register

exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 135.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 134.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745135

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745135_1.jpg

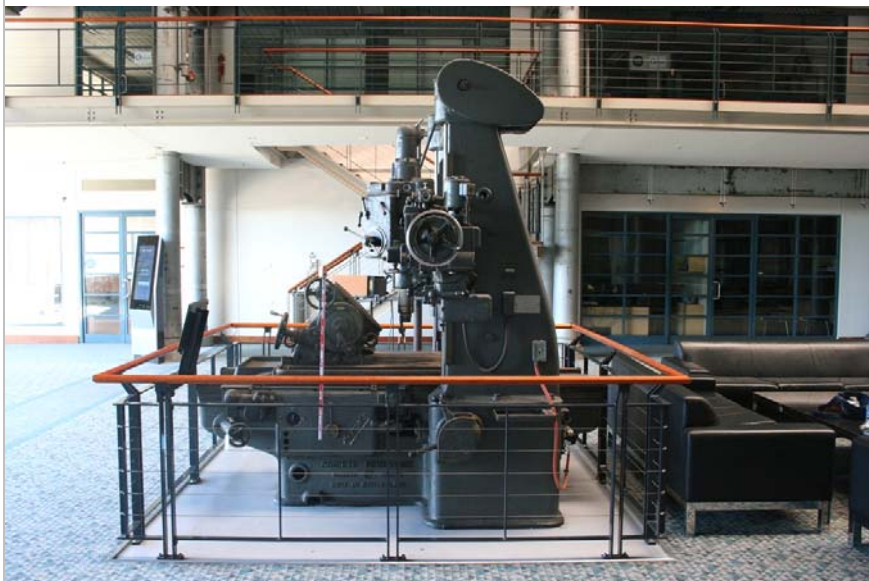
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_1t.jpg

ATP S170 Register



File: 4745135_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_2t.jpg



File: 4745135_3.jpg

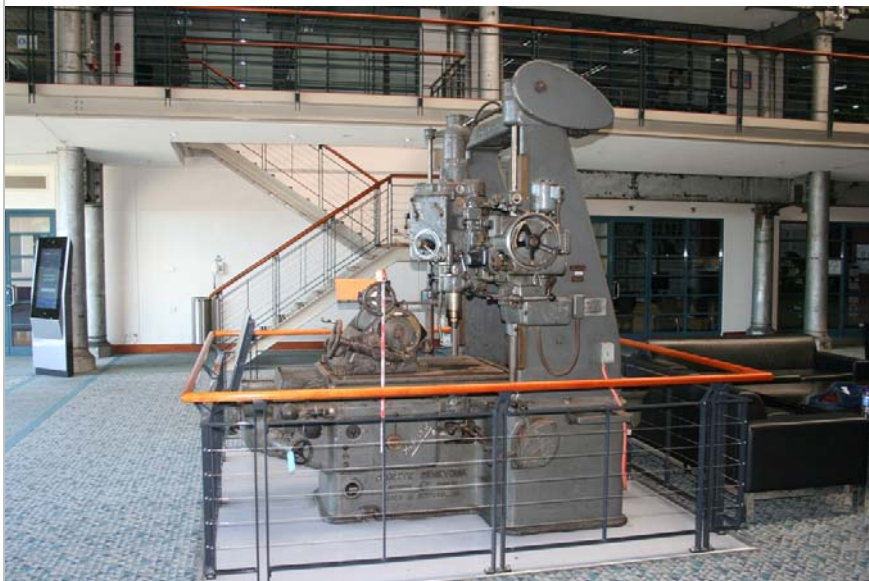
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_3t.jpg

ATP S170 Register



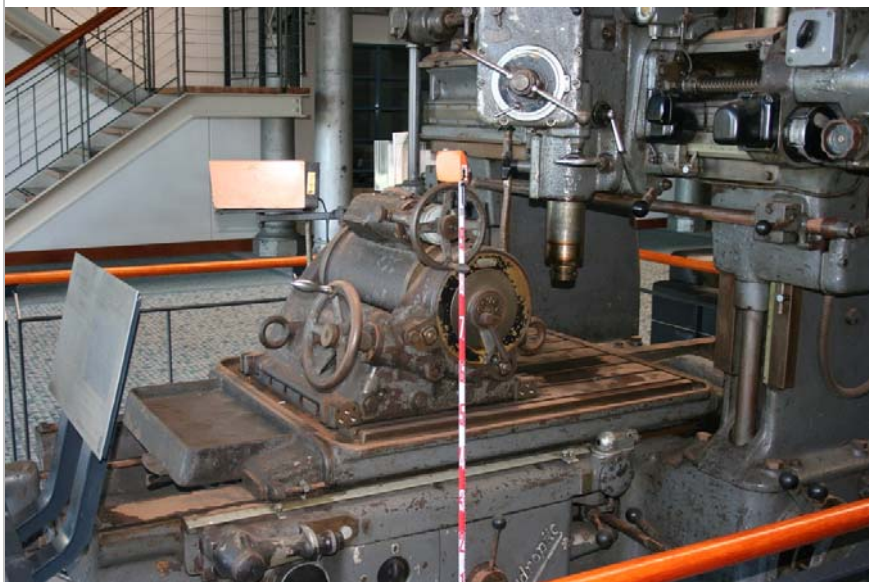
File: 4745135_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_4t.jpg



File: 4745135_5.jpg

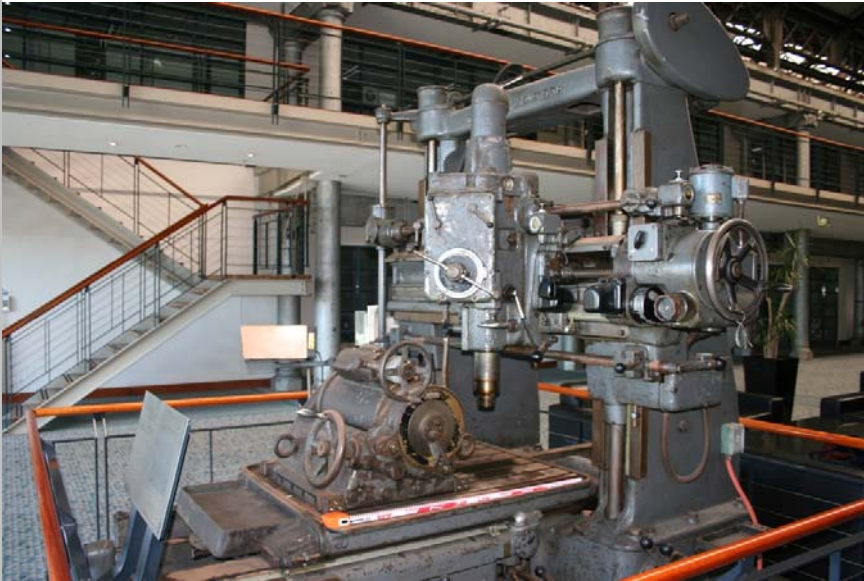
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_5t.jpg

ATP S170 Register



File: 4745135_6.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_6t.jpg



File: 4745135_7.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_7t.jpg

ATP S170 Register



File: 4745135_8.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_8t.jpg



File: 4745135_9.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745135_9t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 136	<i>Name:</i> Spring Shop Rack and Mandrels	<i>Location:</i> 10N 15E	
<i>Other ID nos</i> 1996 inventory no: 136a. ATP328.			

Description:

Rack with six shelves constructed of welded angle iron with two sets of cross braces at the side. Two makeshift shelves comprised of iron plate rest on the second highest shelf. The rack holds 195 spring-coiling tools of various sizes including 77 mandrels, 116 lockpins and 2 miscellaneous tools. The rack has been painted grey and measures 183cm (L) x 92cm (W) x 182cm (H).

Significance:

These mandrels are an important component of the Spring Shop assemblage and assist in interpreting this aspect of manufacturing on site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the mandrel rack is unknown but it was probably made in house and possibly pre-dates World War I. It may have been used to store and organise machine tools from other shops, but in the 1980s was in use to store mandrels and other spring-coiling tools. These mandrels appear to have been left in situ, as assembled for their last use while operating the in workshops. The rack was relocated to Bay 10 in 2004 for interpretive purposes.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack and mandrels are in sound condition despite minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 136a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 135.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745136

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745136_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745136_1t.jpg



File: 4745136_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745136_2t.jpg

ATP S170 Register



File: 4745136_3.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745136_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 137	<i>Name:</i> Brown & Sharpe Universal Grinder	<i>Location:</i> 15S 7W	
<i>Markings</i>	'BROWN & SHARPE MFG. CO. PROVIDENCE RI. USA // NO. 4 // PATENTED SEPT. 21 1897 . OCT 5 1897 . NOV 3 1892 . FEB 8 1908' 'No. 869 / NSWGR / Class G' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 137.		

Description:

This grinder consists of a cast iron frame and a complex grinding head which could be moved both through the horizontal and vertical planes. It measures 370cm (L) x 125cm (W) x 140cm (H). The bed measures 220 x 23cm.

Significance:

The Brown & Sharpe Universal Grinder is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the modification of machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1940

This grinder, manufactured by Brown & Sharpe of Providence, USA, is believed to have been installed in the workshops about 1940 (GML 1996). It was originally located in bay 14 north (the tool room—along with a B&S universal mill) and was moved to Bay 3 north when the workshops closed. It was restored and put on display in Bay 10 in 2004. The grinder was used for grinding horizontal and vertical surfaces on machine and engine parts.

Designer: Brown & Sharpe

Current Use: Display

Modification(s): Electrified and guards added at a later date

Former Uses: Workshop Machinery

Physical Condition:

Overall the grinder is in good condition, although worn with use. Its guards are presently detached and door is missing. Its paintwork is deteriorated.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 137.

ATP S170 Register

2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 136.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745137
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745137_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745137_1t.jpg

ATP S170 Register



File: 4745137_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745137_2t.jpg



File: 4745137_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745137_3t.jpg

ATP S170 Register



File: 4745137_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745137_4t.jpg



File: 4745137_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745137_5t.jpg

ATP S170 Register



File: 4745137_6.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745137_6t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 138	<i>Name:</i> Herbert Twin Drill and Borer	<i>Location:</i> 10N 11E	
<i>Markings</i>	'ALFRED HERBERT LTD COVENTRY' (on base). ALFRED HERBERT / (AUSTRALASIA) LTD / SYDNEY. (MADE IN GREAT BRITAIN)'. 'D.S.D. / AIRCRAFT CONSTRUCTION BRANCH / ACN 1-3-6 / THE PROPERTY OF THE / AUSTRALIAN COMMONWEALTH / GOVERNMENT' 'NSWTD / D7 / SO [blank]' 'KEEP / BELT / TIGHT'. 'Australian General Electric Ltd' (on motor)		
<i>Other ID nos</i>	1996 inventory no: 138. ATP312. SRA8717.		

Description:

This twin machine was used for drilling and boring of small items. It stands about 2.5 metres high, about 1.5 metres long and 1 metre wide. It consists of a cast iron pedestal and a cast iron apron supporting a cast iron bed to which the materials are attached. The bed is raised and lowered by hand crank. The drill has two different diameters run on separate system of belts; the right hand side is missing its chuck; the left hand side retains its chuck and chuck key. It is fitted with an Australian General Electric motor and Wilco switch.

Significance:

This drill and borer is representative of general-purpose machines used throughout the Eveleigh workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1930

This machine was made by engineers Alfred Herbert Ltd of Coventry, England and supplied by their local office to the Commonwealth Department of Supply and Development, Aircraft Construction Branch (1939-1942). It is believed to have been manufactured prior to WWII (GML 1996). It was moved to the Eveleigh workshops in 1964 and was used for a wide variety of operations and was a relatively versatile tool which could be used for drilling and subsequent boring on all the holes. It was relocated to Bay 3 north for storage when the workshops closed, and to Bay 10 in 2004 for display purposes.

Designer/Builder: Alfred Herbert Ltd

Current Use: Display

Modification(s): Electrified at a later date

Former Uses: Workshop Machinery

Physical Condition:

Overall the Herbert Twin Drill and Borer is in good condition. The cables are intact and the belt in situ. It bears minor surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 138.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 137.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745138
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745138_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745138_1t.jpg

ATP S170 Register



File: 4745138_2.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745138_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 139	<i>Name:</i> Allen Striker	<i>Location:</i> 2N 11E	
<i>Markings</i>	'ALLEN'S / IMPROVED PATENT / STEAM STRIKER / CARDIFF 1901 / SIZE NO. 3' // 'CARDIFF JUNCTION / DRY DOCK & / ENGINEERING Co. Ld / MAKERS CARDIFF'		
<i>Other ID nos</i>	1996 inventory no: 139. ATP454.		

Description:

The Allen Striker is a small helve hammer, i.e. the hammer is on the end of a lever which is pivoted on a shaft. The power is applied on both the up and down stroke and the force of the strike is controlled by the operator through the foot pedal. The lever or striker, is of the wishbone shape with the twin bars being attached to the shaft. Custom-shaped dies could be fitted to both the striker and for the anvil. The machine is of cast-iron construction and is painted red and yellow. The machine measures 137cm (L) x 87cm (W) x 98cm (H).

Significance:

This item has been relocated to the Locomotive Workshops from the Carriage Workshops, in the 1990s. As there are other examples of this type of striker in situ in the Blacksmith Shop (Bay 2 South) this item should be disposed of through relocation to the Carriage workshops as a display item.

Assessed Significance:

Endorsed Significance:

Historical Notes:

Constructed: 1901-1906

This Allen Striker (also known as an Oliver hammer) was made by the Cardiff Junction Dry Dock & Engineering Co Ltd to a design patented by Allen in 1901. It was installed in the Workshops in 1906. It is believed that most of these strikers were originally located in the Oliver Shop which is on the opposite side to the south road to the workshops and this particular striker was located in the Blacksmiths Shop on the Carriage Workshop site (adjacent to furnace 8) prior to being moved to Bay 2 (GML 1996). The Oliver or Allen Striker was the smallest of the power hammers used at Eveleigh. It was rated at 2CWT (about 100 kilos) and used to produce a wide variety of small items used throughout the workshops in the NSW Rail System.

Designer/Builder: Cardiff Junction Dry Dock & Engineering Co Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Allen Striker is in sound condition and its pipe work appears to be intact. It is worn with many years of use and bears some surface corrosion and flaking paint and is generally covered with grime and dust. It is currently resting on timber struts.

Recommended Management:

This item may be considered for disposal, preferably through relocation to the Carriage Workshops, or retained for interpretive purposes.

If retained, this item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 139.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 138.
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745139_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745139_1t.jpg

ATP S170 Register



File: 4745139_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745139_2t.jpg



File: 4745139_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745139_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 140	<i>Name:</i> Cylindrical Grinder	<i>Location:</i> 15N 8-9E	
<i>Markings</i>	'No. 292 / NSWGR / Class LX'		
<i>Other ID nos</i>	1996 inventory no: 140. ATP341. SRA8714.		

Description:

This small grinder is basically an adapted lathe. The lathe itself is about 4 metres long, 1 metre wide and stands about 1.5 metres high. It is regarded as an automotive lathe in that the feed of the tool head passed the work is automatically fed. It measures 360cm (L) x 130cm (W) x 155cm (H).

Significance:

This grinder is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the oldest surviving grinders in the workshops and being one of the surviving machines installed in the workshops prior to World War I. Like many other early machines, it has been adapted from a lathe to accommodate the specific needs of the workshops. It demonstrates the operation of the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown, however it would appear to have been manufactured prior to WWI. It has been modified subsequently at both the head stock and tool rest ends. Items to be ground were mounted between centres and the grinding wheel which is attached to the tool rest was passed over the rotating work. The item is probably one of the earliest grinders in the workshops complex when it closed.

Current Use: Display

Modification(s): Electrified and lamps fitted at a later date.

Former Uses: Workshop Machinery

Physical Condition:

Overall the cylindrical grinder is in sound condition, however, the handle on the toolrest is cracked.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 140.

ATP S170 Register

2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 139.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745140
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745140_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745140_1t.jpg

ATP S170 Register



File: 4745140_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745140_2t.jpg



File: 4745140_3.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745140_3t.jpg

ATP S170 Register



File: 4745140_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745140_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 141	<i>Name:</i> Department Lathe	<i>Location:</i> 10N 12E	
<i>Markings</i>	'9242' [cast on tail stock] 'No. 220 / NSWGR / Class L'		
<i>Other ID nos</i>	1996 inventory no: 141. ATP319.		

Description:

This small lathe is manufactured by the Department of Railways. It has a cast-iron stand and a small cast-iron bed (23cm long) to working small and precise jobs. It was formerly operated by a belt from the line shaft but now has its own stand-alone motor attached to the driving shaft which is located at the bottom of the frame beneath the headstock. The lathe is fitted with a swivelling tail stock that can be rotated out of the way for the introduction or removal of stock. It also has an automatic tool rest feed and a plate with gearing ratios which appears to be handmade. The belt drive is protected by a guard. The lathe measures 130cm (L) x 65cm (W) x 120cm (H). It was once painted yellow, later light khaki.

Significance:

This lathe was constructed within the workshops using salvaged parts from other machines. It demonstrates the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the lathe is unknown but it was built within the workshops, and probably assembled from the spare parts of other machines. It is thought to have been manufactured prior to 1940 (GML 1996). It was probably used in the tool room for the repetitive production of small items. It was relocated to Bay 3 north after the closure of the workshops. In 2004 it was moved to Bay 10 north to form part of the machinery display.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Lathe is in sound condition despite being worn with use. The belt is in tact. Electric cabling has been cut off and remains hanging from the machine. It bears minor surface corrosion, flaking paint and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

ATP S170 Register

- 1 Reference: 141.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 140.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745141
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745141_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745141_1t.jpg

ATP S170 Register



File: 4745141_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745141_2t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 142	Furnace (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 142.

Description:

This gas-fired furnace is about 1.2 metres long, 1 metre wide and stood about 1 metre high.

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3N 10W

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 143	Hydraulic Ram (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 143.

Description:

This Hydraulic Ram was located in the foundry and was used to lower and raise a platform which held a section of rail tracks. Raw material and finished items arrived and left the foundry at this point.

Significance:

Not located, presume disposed

Assessed Significance:

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3N

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 144	Hydraulic Spring Press (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 144.

Description:

This small spring press which had jaws that opened about 400mm stands about a metre high and is about 600mm long and 400mm wide. It has had a sheet metal surround attached to it to prevent the escape of pieces of spring that fracture under load. springs.

Significance:

Not located, presume disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown but it was manufactured prior to 1939. It is believed that the press was used to test coil springs. (GML 1996)

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 3N 9E

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 145	<i>Name:</i> Wadkin Router	<i>Location:</i> 2N 14W	
<i>Markings</i>	'Wadkin & Co. / Leicester / Patent: ' (embossed) // 'Wadkin & Co. / Engineers / Leicester / No. 311' (brass plate) 417 'BT 31' (painted)		
<i>Other ID nos</i>	1996 inventory no: 145. ATP423. SRA8672.		

Description:

Cast-iron arched machine with hydraulic ram head protected by guards. The table, tracks and other associated parts (including drill bits and hosing) lie in the vicinity of the machine. It measures 215cm (L) x 82cm (W) x 185cm (H). A working table was mounted on a geared track formerly bolted to the front of the machine, allowing the item being worked to be moved with precision.

Significance:

This item is one of a small number of woodworking machines surviving on site, however it is originally from the Randwick Tramway Workshops and only transferred to Eveleigh in the 1950s. It is recommended for disposal.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This item is believed to be an early spindle router by Wadkin and Co. of Leicester and which was brought to the Eveleigh from the Randwick Tramway Workshops (GML 1996) which closed in 1960-61. It was probably used for timber work and possibly associated with the Pattern Shop.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Router is in sound condition. It bears minor surface corrosion and flaking paint and is generally covered with grime and dust.

Recommended Management:

Reassemble.

As this item was not originally associated with the Eveleigh Locomotive Workshops, it could potentially be disposed of to another institution, as detailed information is lacking regarding its function and provenance. Alternately, it could be used to interpret pattern-making on the site.

Specific Recommendations:

- 1 Relocate
- 2 Reinstall detached parts
- 3 Not provenanced to Eveleigh

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 145.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 144.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745145_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745145_1t.jpg



File: 4745145_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745145_2t.jpg

ATP S170 Register



File: 4745145_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745145_3t.jpg



File: 4745145_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745145_4t.jpg

ATP S170 Register



File: 4745145.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745145t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 146	Interlocking Gear (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 146.

Description:

This material is to be removed from this location and stored in Bay 14.

Significance:

Not located, presume disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3N 9E

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 147	Signalling Gear (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 147.

Description:

This item is to be removed to Bay 14.

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 3N 9E

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 148	Furnace (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 148.

Description:

This small, gas-fired furnace is believed to have heated materials to melting point in crucibles.

Significance:

Not located, presumed disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown, but it is believed to have come from the Carriage Workshops

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 3N 10E

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 149	<i>Name:</i> Lang & Sons Spring Coiler MSC4	<i>Location:</i> 1N 13W	
<i>Markings</i>	'JOHN LANG & SONS / JOHNSTONE PATENT' (pedestal) // '14937 / JL&S / 1915' 'PTC NSW / MSC4 / SO [blank]' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 149. ATP529. SRA8700.		

Description:

The Spring Coiling Machine is adapted from a machine lathe. Because of the size of the springs being produced at the workshops the lathes are of exceptionally heavy quality. This one patented by John Lang & Sons is set with a series of exceptionally heavy gearings both for the drive and back gears. The chuck is fitted with a morse taper and wedge holes which hold the various sizes of mandrels. The stock was fed onto the lathe via a specially formed set of tool rests. These lathes were manufactured for making compression springs rather than tension springs. As with all the spring manufacturing the coiler has automatic drive. Painted grey with red handles. The coiler measures 360cm (L) x 140cm (W) x 130cm (H). The working bed is 250cm long.

Significance:

This item is one of three spring coilers retained on site. As there are two other examples of this type of machine interpreted in Bays 5 and 10, and the Spring Shop no longer exists, this item is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

Constructed: c. 1915

The lathe which was adapted to form this spring coiler was made by John Lang & Sons of Johnstone, Scotland c. 1915 to their patented design. It was installed in the freestanding Spring Shop east of Bay 1 and moved to the northern end of Bay 4N when the Spring Shop was relocated in the 1970s. The coiler was used to make compression springs rather than tension springs. Stock was fed via the special tool holder which was located on the opposite side of the tool rest to the operator. Once coiled, the springs leafs were sent to have their seats ground. They were then hardened and tempered. It was original powered by belts from the overhead line shafts and later a small, standalone electric motor. Power was transmitted from the driven wheel to the lathes gearing via a short fabric, timber studded backing belt. Guards were later additions and the bed has been replaced.

Designer: John Lang and Sons

Builder: John Lang and Sons / Eveleigh

Builder:

Current Use: Display

Modification(s): electrification, guards, replaced bed

Former Uses: Workshop Machinery

Physical Condition:

Overall the Lang & Sons Spring Coiler is in sound condition, although it is missing some of its parts. It bears minor surface corrosion and flaking paint.

Recommended Management:

This item may be considered for disposal.

If retained, this item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 149.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 148.
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745149_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745149_1t.jpg

ATP S170 Register



File: 4745149_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745149_2t.jpg



File: 4745149_3.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745149_3t.jpg

ATP S170 Register



File: 4745149_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745149_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 150	<i>Name:</i> Lang & Sons Spring Coiler MSC2	<i>Location:</i> 5S 1W	
<i>Markings</i>	'JOHN LANG & SONS / JOHNSTONE / PATENT' 'PTC NSW / MSC2 / SO [blank]' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 150. SRA8712.		

Description:

The Spring Coiling Machine is adapted from the machine lathe. Because of the size of the springs being produced at the workshops the lathes are of exceptionally heavy quality. This one by John Lang and Co. is of the Johnston Patent type and is set with a series of exceptionally heavy gearings both for the drive and back gears. The chuck is fitted with a morse taper and wedge holes which hold the various sizes of mandrels. The stock was fed onto the lathe via a specially formed fuse of tool rests. These lathes were manufactured for making compression springs rather than tension springs. As with all the spring manufacturing the lathe has automatic drive. It measures 390cm (L) x 140cm (W) x 1350cm (H). Painted grey with red handles. The coiler measures 390cm (L) x 140cm (W) x 135cm (H). The working bed is 200cm long and 75cm wide.

Significance:

This spring coiler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and is one of two coilers adapted from a Lang & Sons patent lathe. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1915

The lathe which was adapted to form this spring coiler was made by John Lang & Sons of Johnstone, Scotland to their patented design. It was installed in the freestanding Spring Shop east of Bay 1 and moved to the northern end of Bay 4N when the Spring Shop was relocated in the 1970s. The coiler was used to make compression springs rather than tension springs. Stock was fed via the special tool holder which was located on the opposite side of the tool rest to the operator. Once coiled, the springs leaves were sent to have their seats ground. They were then hardened and tempered. It was original powered by belts from the overhead line shafts and later a small, standalone electric motor. Power was transmitted from the driven wheel to the lathes gearing via a short fabric, timber studded backing belt.

Designer: John Lang and Sons
Builder:

Builder: John Lang and Sons / Eveleigh

Current Use: Display
Former Uses: Workshop Machinery

Physical Condition:

Overall the coiler is in good condition, although the paintwork is deteriorated. The guard covering the gears on the east side is coming apart and there are loose springs at the rear of the machine.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area

ATP S170 Register

should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 150.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 149.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745150

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 8 Jul 2008 *Status:* Basic



File: 4745150_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745150_1t.jpg

ATP S170 Register



File: 4745150_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745150_2t.jpg



File: 4745150_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745150_3t.jpg

ATP S170 Register



File: 4745150_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745150_4t.jpg



File: 4745150_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745150_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 151	<i>Name:</i> Quenching Tank	<i>Location:</i> 2N 15E	
<i>Other ID nos</i>	1996 inventory no: 151.		

Description:

Sheet-metal tank with a 128cm high frame bearing a counterbalanced pulley. There are two short brackets on each side of the tank, 47cm from base indicating the line to which the tank was originally sunk in the ground. Two bracketed stoppers on the rear side held the lid in place while quenching. Grey painted. The tank measures 183cm (L) x 62cm (W) x 92cm (H; 222cm to top of frame).

Significance:

The quenching tank is a part of the Spring Shop assemblage and assists in interpreting this aspect of manufacturing on site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This quenching tank was used in the Spring Shop (Bay 4) for quench hardening or for tempering of springs until the 1980s. Springs were loaded into a small steel tray and dropped into the quenching bath via a counterweighted cable. Once formed and the seats ground the coil springs were heated in a special heating chamber and then quenched to harden and then tempered. The tank was probably manufactured on-site. It is likely that the tank was installed in the 1970s when the Ryerson Spring Forming Machines were moved to Bay 4. It was still sunk into the floor of the spring shop (Bay 4), close to the Ryerson Spring Forming Machines, in 1995. It was removed to Bay 2N some time after 1995.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the Quenching Tank is in sound condition. It bears some surface corrosion which is particularly heavy around the bottom 50cm of the tank. The pulley superstructure is buckled but sound. It is generally covered with grime, dust and bird droppings.

Recommended Management:

Relocate to be in association with the Spring Shop machinery, e.g. the Ryerson Spring Forming Machine.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Relocate to 'spring shop' display
- 2 relocate to be near Ryerson Spring Forming Machines

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 151.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 150.

ATP S170 Register

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745151

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745151_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745151_1t.jpg

ATP S170 Register



File: 4745151_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745151_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 152	<i>Name:</i> Craven Brothers Spring Disassembler	<i>Location:</i> 4N 9W	
<i>Markings</i>	NSWG / CRAVEN BROs. / MANCHESTER 651 / NSWGR / Class SP		
<i>Other ID nos</i>	1996 inventory no: 152. ATP307. SRA8711.		

Description:

Large cast-iron triangular base with hydraulic ram and tension loading. A grill screen is riveted to the north side. It measures 230cm (L) x 230cm (W) x 90cm (H; 140cm H to top of screen).

Significance:

This Spring Disassembler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887 and one of the important elements of the Spring Shop assemblage. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1887

The item was manufactured by Craven Bros of Manchester for the NSW Government to press springs and allow the stripping or disassembling of the collars. Springs were loaded into the jaws of the item and hydraulic power was used to remove the collars of seats from the springs. It was installed in the original Spring Shop in 1887 (GML 1996). It was relocated to the freestanding Spring Shop east of Bay 1 in 1902 and moved to the northern end of Bay 4N when the Spring Shop was relocated in the 1970s. It was installed as part of the ATP machinery display in Bay 4N in 2004.

Designer/Builder: Craven Brothers

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Craven Brothers Spring Dissembler is in sound condition. It bears some surface corrosion and substantial deteriorated paintwork. It has been recently dusted and degreased.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 152.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 151.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745152

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic



File: 4745152_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745152_1t.jpg

ATP S170 Register



File: 4745152_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745152_2t.jpg



File: 4745152_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745152_3t.jpg

ATP S170 Register



File: 4745152_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745152_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 153	<i>Name:</i> Ryerson Spring Forming Machine 1	<i>Location:</i> 3N 8C	
<i>Markings</i>	'JOSEPH RYERSON & SON CHICAGO / U.S.A.' [on upper bar] — 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 153. ATP301. SRA8707.		

Description:

This heavy, cast-iron framed spring bending machine is used for forming leaf springs. The appropriately curved dolly or mandrel is fixed to the moving front of the machine. The red hot steel spring lead is placed against it and the spring is then forced against a flexible steel chain belt. The spring then takes the shape of the dolly. It measures 300cm (L) x 120cm (W) x 95cm (H).

Significance:

This spring former is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This Ryerson Spring Forming Machine, along with its companion (Item No. 154), was manufactured prior to World War I by Joseph Ryerson & Son, Chicago. They were formerly located in the Spring Shop erected east of Bay 1 in 1902. The machines were the principle method of forming leaf springs from hot stock. The stock was simply placed between the dolly and the steel mesh and forced against it through hydraulic pressure. The formed lead springs were then heat treated. Both Ryerson machines were moved to Bay 4N probably in 1972. It was restored and put on display in Bay 3 in 2004.

Designer/Builder: Joseph Ryerson & Son

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall this Ryerson Spring Forming Machine is in sound condition. It bears some surface corrosion and flaking paint.

Further Information:

<http://www.answers.com/topic/joseph-t-ryerson-son-inc?cat=biz-fin>

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to

ATP S170 Register

determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 153.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 152.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745153
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745153_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745153_1t.jpg

ATP S170 Register



File: 4745153_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745153_2t.jpg



File: 4745153_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745153_3t.jpg

ATP S170 Register



File: 4745153_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745153_4t.jpg



File: 4745153_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745153_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 154	<i>Name:</i> Ryerson Spring Forming Machine 2	<i>Location:</i> 3N 8C	
<i>Markings</i>	NSWGR / No. 1028 / Class X 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 154. ATP300. SRA8706.		

Description:

This heavy, cast-iron framed spring bending machine is used for forming leaf springs. The appropriately curved dolly or mandrel is fixed to the moving front of the machine. The red hot steel spring lead is placed against it and the spring is then forced against a flexible steel chain belt. The spring then takes the shape of the dolly. It measures 300cm (L) x 120cm (W) x 95cm (H).

Significance:

This spring former is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This Ryerson Spring Forming Machine, along with its companion (Item No. 153), was manufactured prior to World War I by Joseph Ryerson & Son, Chicago. They were formerly located in the Spring Shop erected east of Bay 1 in 1902. The machines were the principle method of forming leaf springs from hot stock. The stock was simply placed between the dolly and the steel mesh and forced against it through hydraulic pressure. The formed lead springs were then heat treated. Both Ryerson machines were moved to Bay 4N probably in 1972. It was restored and put on display in Bay 3 in 2004.

Designer/Builder: Joseph Ryerson & Son

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall this Ryerson Spring Forming Machine is in sound condition, however the mounting bracket for the lubrication pipe work has cracked. This appears to be a recent break. It bears some surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

1. Remove pipework for storage or clamp on a temporary or reproduction mount

ATP S170 Register

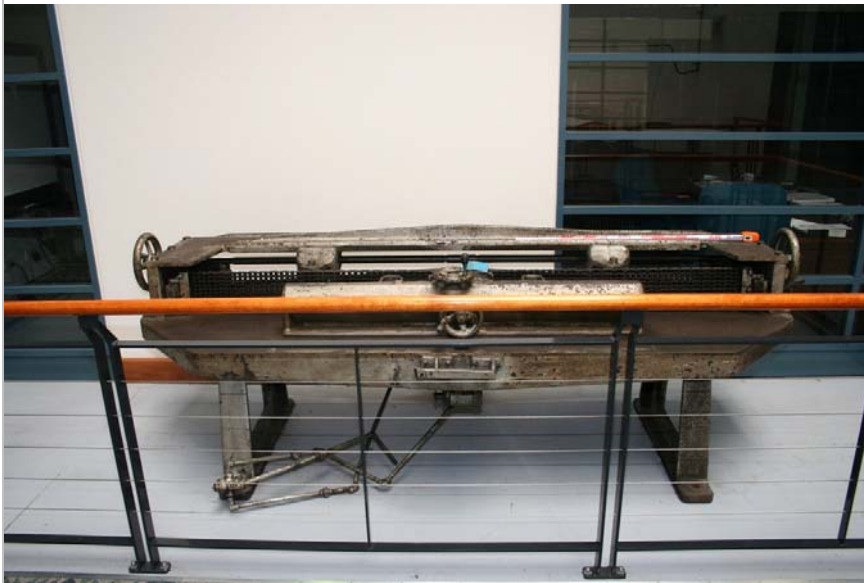
Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 154.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 153.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745154
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745154_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745154_1t.jpg

ATP S170 Register



File: 4745154_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745154_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 155	<i>Name:</i> Quenching Tank	<i>Location:</i> 2N 15E	
<i>Other ID nos</i> 1996 inventory no: 155.			

Description:

Unmarked sheet-metal tank with a 128cm high frame bearing a counterbalanced pulley. There are two short L-shaped brackets on each side of the tank, 50cm from base indicating the line to which the tank was originally sunk in the ground. Two bolts on the rear side held the lid in place while quenching. Grey painted. The tank measures 183cm (L) x 61cm (W) x 92cm (H; 222cm to top of frame).

Significance:

The quenching tank is a part of the Spring Shop assemblage and assists in interpreting this aspect of manufacturing on site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1970

This quenching tank was used in the Spring Shop (Bay 4) quench hardening or for tempering of springs until the 1980s. Springs were loaded into a small steel tray and dropped into the quenching bath via a counterweighted cable. Once formed and the seats ground the coil springs were heated in a special heating chamber and then quenched to harden and then tempered. The tank was probably manufactured on-site. It is likely that the tank was installed in the 1970s when the Ryerson Spring Forming Machines were moved to Bay 4. It was still sunk into the floor of the spring shop (Bay 4), close to the Ryerson Spring Forming Machines, in 1995. It was removed to Bay 2N some time after 1995.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the Quenching Tank is in sound condition. It bears some surface corrosion which is particularly heavy around the bottom 50cm of the tank. The pulley superstructure is buckled but sound. It is generally covered with grime, dust and bird droppings.

Recommended Management:

This item may be considered for disposal or retained for interpretive purposes.

If retained, this item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 155.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 154.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745155

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745155_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745155_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 156	<i>Name:</i> Hydraulic Press and Spring Tester	<i>Location:</i> 4N 11W	
<i>Markings</i>	'NSWTD / PH-816 / SO [blank]' // 'No. 816 / NSWGR / Class PH'		
<i>Other ID nos</i>	1996 inventory no: 156. ATP306.		

Description:

This small press has been adapted by the workshops from a true press to a spring testing machine. It consists of a massive, cast-iron holding bed and a large high-pressure cylinder and ram which faces the testing bed, along with associated pipe work and guards. It measures 280cm (L) x 200cm (W) x 210cm (H: to the top of the pipe work).

Significance:

This press and spring tester is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1902

This Press and Spring Tester is unmarked and was probably made in the workshops. It exhibits considerable age in its construction and was probably first erected in the Spring Shop which opened in 1902 east of Bay 1. The machine was used for testing leaf springs. The leafs were placed on the machine bed, fastened into place on a sliding bracket and pressed to a testified test pressure. If the spring recovered without deformity it was passed for use on locomotive carriages.

Designer/Builder: Eveleigh

Current Use: Display

Modification(s): Guard plates and regulators were later additions.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Hydraulic Press and Spring Tester is in good condition and appears to retain all its pipe work. While worn with use it bears minimal surface corrosion and has been recently degreased.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

ATP S170 Register

- 1 Reference: 156.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 155.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745156
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745156_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745156_1t.jpg

ATP S170 Register



File: 4745156_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745156_2t.jpg



File: 4745156_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745156_3t.jpg

ATP S170 Register



File: 4745156_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745156_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 157	<i>Name:</i> Department Double Floor Grinder	<i>Location:</i> 10N 11W	
<i>Markings</i>	'No. 1054 / NSWGR / Class G' '[Crompt]on [Pa]rkinson'. 'SAFETY FIRST / PROTECT YOUR EYES / USE GOGGLES HERE / OBTAIN FROM SUBFOREMAN'		
<i>Other ID nos</i>	1996 inventory no: 157.		

Description:

This machine consists of a cast-iron frame which holds a spindle, the ends of which support large (450mm grinding wheels). A single stand-alone motor has been attached to the back of the frame and this is direct coupled by V-belt to a pulley located in the centre of the main shaft. The main shaft is supported on two bearings, the blocks of which have been cast into the main frame. Two very heavy flat tool rests are attached with nut and bolt to the slots in cast brackets on the front of the machine. Two cast-iron electrical lamps have been fitted. The grinder measures 136cm (L) x 110cm (W) x 114cm (H to the top of the motor box; 107cm to top of the wheel guards).

Significance:

This grinder is a part of the spring shop assemblage. It is primarily significant as an example of shop-built auxiliary machines installed in the workshops in the early 20th century. It was constructed within the workshops using salvaged parts from other machines. It demonstrates the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the grinder is unknown but it is most likely to have been made in the workshops prior to WWI and may have been installed in the original Spring Shop. It was used for general cleaning of cut stock and for taking off rough edges from spring collars.

Current Use: Display

Modification(s): Lamps

Former Uses: Workshop Machinery

Physical Condition:

Overall the Double Grinder is in sound condition despite being worn with use. It has a deteriorated paint surface and one of the lamps is broken.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 reinstate lamp

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 157.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 156.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745157

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745157_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745157_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 158	<i>Name:</i> Fielding & Platt Spring Buckling Press	<i>Location:</i> 4N 11C	
<i>Markings</i>	TWEDDELLS / SYSTEM / FIELDING & PLATT CO / GLOUCESTER / ENGLAND 'No. 650 / NSWGR / Class [P]' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 158. ATP303. SRA8703.		

Description:

This spring buckling press comprises a C-arch body with bracketed heads driven by vertical and horizontal hydraulic rams which allowed the assembling of the springs and the forcing of the collars or buckles on to the coupled springs. A support table is adhered to the north side. It measures 210cm (L) x 170cm (W) x 210cm (H).

Significance:

The Fielding & Platt Spring Buckling Press is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1908

The machine was manufactured by Fielding & Platt Co. of Gloucester, England and installed in 1908 in the Spring Shop erected east of Bay 1 (GML 1996). The machine was used for the buckling or the placing of collars on leaf springs. It was subsequently modified to allow the removal of collars or buckles. The operation of the item was through the manipulation of hydraulic valves which admitted high pressure water from the hydraulic system into the rams which brought pressure to bear on the springs and buckles as appropriate. The Press was restored and placed on display in Bay 4 without the spring rest on the southern side (see Cserhalmi 2002: 164).

Designer/Builder: Fielding & Platt Co.

Current Use: Display

Modification(s): The machine modified to allow the removal of collars or buckles

Former Uses: Workshop Machinery

Physical Condition:

Overall, the Spring Buckling Press is in sound condition, although it is missing some of its ancillary rests and guards. A large crack, possibly caused by modification works, was repaired many years ago. The paint is worn and it bears some surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

ATP S170 Register

Specific Recommendations:

- 1 Find and reinstate table rest

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 158.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 157.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745158

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745158_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745158_1t.jpg

ATP S170 Register



File: 4745158_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745158_2t.jpg



File: 4745158_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745158_3t.jpg

ATP S170 Register



File: 4745158_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745158_4t.jpg



File: 4745158_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745158_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 159	<i>Name:</i> Furnace	<i>Location:</i> 10N 14E	
<i>Markings</i>	'M.W. 3823' (embossed plate on N & S faces). 'E82 / 3821 / E' (embossed plate on top of furnace) 'NSWTD / FR 71 / SO [blank]' 'STAFFORD / ELLISON / THE SHAPED LOOK' (on coat)		
<i>Other ID nos</i>	1996 inventory no: 159. ATP323. SRA8663.		

Description:

This gas-fired furnace is constructed from thick cast-iron and plate-steel bolted together and lined with firebricks. It stands on angle-iron legs and has a counterweighted door. Two unidentified casting marks appear on three faces of the furnace: 'M.W. 3823' and 'E82 / 3821 / E'. A Stafford Ellison woollen coat is hanging from a handle on the northern face. The furnace measures 124cm (L) x 100cm (W) x 146cm (H; 190cm including counterweight support).

Significance:

This furnace is an important component of the Spring Shop assemblage and is as one of the few surviving examples of auxiliary equipment installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. -1914

The history of this item is unknown but it is probably manufactured in-house prior to WWI and installed in the Spring Shop. It was used for heating springs or buckles prior to the assembly of springs and appears to have been in continuous use until the late 1980s. It was moved to Bay 4 when the spring shop was relocated in about 1972. It was moved to Bay 10 as part of the machinery display in 2004. It is unknown when the coat, made by Stafford Ellison (1958-), was placed on the hook but it is most likely to have been in the late 1980s and while evocative is unlikely to be associated with the last use of the furnace.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Furnace is in sound condition. The angle iron supports beside the door are warped and buckled but stable. The counterweight pulleys are corroded and the remainder of the furnace bears surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 If coat is to be retained, it should be supported with a padded hanger and returned to the hook

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 159.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 158.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745159
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745159_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745159_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 160	<i>Name:</i> Rice & Co. Hydraulic Spring Buckling Press	<i>Location:</i> 4N 12W	
<i>Markings</i>	'RICE & CO (LEEDS) LTD / LEEDS' 'No. 655 / NSWGR / Class SP'		
<i>Other ID nos</i>	1996 inventory no: 160. ATP302. SRA8702.		

Description:

This specialist hydraulic spring buckling press was used for the buckling or the placing of collars on leaf springs. Like the Tweddells press (item no. 4745158) it has been modified to allow the removal of collars or buckles. The machine consists of several hydraulic rams which allow the assembling of the springs and the forcing of the collars or buckles on to the coupled springs. The operation of the item was through the manipulation of hydraulic valves which admitted high pressure water from the hydraulic system into the rams which brought pressure to bear on the springs and buckles as appropriate. The press measures 2.9cm (L) x 2.2cm (W) x 150cm (H).

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1915

The press was manufactured by hydraulic engineers Rice and Co Ltd of Leeds, England. It was installed in 1915 probably in the newly constructed spring shop between bay 1 and the new locomotive shop.

Designer/Builder: Rice and Co Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the press is in good condition, although the paintwork is deteriorated.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

¹ Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'.

ATP S170 Register

Reference: 160.

- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 159.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745160
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 26 Aug 2008

Status: Basic



File: 4745160_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745160_1t.jpg

ATP S170 Register



File: 4745160_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745160_2t.jpg



File: 4745160_3.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745160_3t.jpg

ATP S170 Register



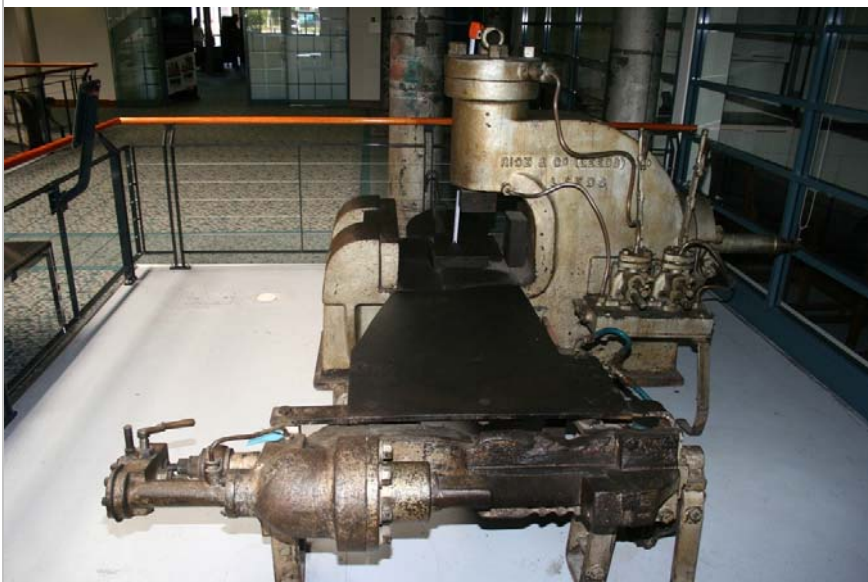
File: 4745160_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745160_4t.jpg



File: 4745160_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745160_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 161	<i>Name:</i> Furnace	<i>Location:</i> 10N 14E	
<i>Markings</i>	'M.W. 3823' 'NSWTD / FR 73 / SO [blank]'		
<i>Other ID nos</i>	1996 inventory no: 161. ATP324. SRA8661.		

Description:

This gas-fired furnace is constructed from thick cast-iron and plate-steel bolted together and lined with firebricks. It stands on angle-iron legs. The front door and associated counterweight is missing. Typed instructions for use of 'FR 73' are intact on the southern side, along with an unidentified casting mark: 'M.W. 3823'. The furnace measures 122cm (L) x 103cm (W) x 150cm (H).

Significance:

This furnace is an important component of the Spring Shop assemblage and is as one of the few surviving examples of auxiliary equipment installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. -1914

The history of this item is unknown but it is probably manufactured in-house prior to WWI and installed in the Spring Shop. It was used for heating springs or buckles prior to the assembly of springs and appears to have been in continuous use until the late 1980s. It was moved to Bay 4 when the spring shop was relocated in about 1972. It was moved to Bay 10 as part of the machinery display in 2004. A bin marked 'NSWGR / Drive Shaft' sits adjacent to the furnace.

Designer/Builder: Eveleigh

Current Use: Display

Modification(s): Various repairs to seal the fire chamber.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Furnace is in a fair condition. It bears heavy surface corrosion and the door is missing.

Recommended Management:

This item is one of a number of essentially identical furnaces located throughout the workshops. This example is not in good condition, not in situ and lacks elements. It should be disposed of to provide additional space for interpretation of other, more significant items.

Specific Recommendations:

- 1 move vacuum, NSWGR bin and other rubbish

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 161.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 160.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745161

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745161_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745161_1t.jpg



File: 4745161_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745161_2t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 162	Work table (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 162.

Description:

This small work table on timber legs and with a steel plate top was used for a variety of setting out and marking operations as springs were manufactured in the spring shop.

Significance:

Not located, presume disposed or renumbered within the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

Not known.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 4N 10E

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 163	Electric motor (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 163.

Description:

To be returned to Chullora

Significance:

Not located, presumed disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 4N 12E

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 164	Electric starter cabinet (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 164.

Description:

This small starter cabinet is associated with machinery which has been moved from Bays 1-5.

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

No information is available on the history of this item.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 4N 13E

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 165	<i>Name:</i> Pope Electric Motor and Baseplate	<i>Location:</i> 10N 13W	
<i>Markings</i>	'Pope / AUSTRALIA // Motor No. 4841-09'		
<i>Other ID nos</i>	1996 inventory no: 165. ATP332.		

Description:

This small electric motor mounted on the base plate with a five belt V-pulley

Significance:

This provenance of this motor is unknown. It was set up in an interpretive relationship with a machine in Bay 10 in 2004, however there is no good evidence that the motor was originally associated with the machine. While the motor has some interpretive value, it has no inherent significance of its own and may be disposed of, or continue to be used for interpretive purposes.

Assessed Significance:

Endorsed Significance:

Historical Notes:

This motor was made by Pope Electric Motors of South Australia (1947-2007) is believed to belong to one of the machines removed from Bay 5 in 1989. It is unknown if it is an original motor supplied with an electrified machine, or one purchase to electrify a belt-driven machine.

Designer/Builder: Pope Electric Motors

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Pope motor and baseplate is in sound condition. It bears minor surface corrosion and flaking paint.

Further Information:

This motor is placed next to the Denham Centre Lathe (Item No. 167). The dimensions match the fitting on the pedestal foot of the Denham lathe but the screw holes on the baseplate do not align.

Recommended Management:

This item may be considered for disposal, or retained for interpretive purposes.

Specific Recommendations:

- 1 Investigate which machine to which this motor was once attached. NB the colour of the baseplate matches the Craven journal lathe more so than the Denham.
- 2 Re-position the motor in a functional relationship to the machine from which it came.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 165.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 164.

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 12 Aug 2008 Status: Basic

ATP S170 Register



File: 4745165_1.JPG

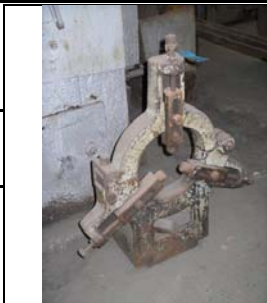
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745165_1t.jpg

ATP S170 Register

SHI No.: 4745 166	Name: Machine parts	Location: 2N 13E	
Other ID nos 1996 inventory no: 166. ATP452.			

Description:

A collection of machine parts including, in 12E: a) a hinged cast-iron lathe steady (inner diameter: 26cm), originally painted green-grey (tagged ATP 452); b) an open-sided cast-iron lathe steady (inner diameter: 25cm) measuring 40cm (L) x 40cm (W) x 70cm (H); c) a lathe chuck, 46cm diameter; and d) a swage block and fuller. In 13E: e) a U-shaped sheet-metal guard from unknown machine measuring 40cm (L) x 33cm (W) x 70cm (H); f) another guard measuring 12cm (L) x 60cm (W) x 31cm (H); and g) a pile of 11 gears, 2 fullers, 3 rods, 3 grills and 6 other items.

Significance:

These miscellaneous mechanical components are only significant if they can be reassembled with their original machine in a functional relationship.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these item is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the machine parts are in sound condition, although the guards have been bent and buckled since last recorded in 1995. All components bear minor surface corrosion and some have flaking paint.

Further Information:

near item no. 34l

Recommended Management:

Dispose of items if original machines cannot be located.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 166.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 165.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745166

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745166_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745166_1t.jpg



File: 4745166_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745166_2t.jpg

ATP S170 Register



File: 4745166_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745166_3t.jpg



File: 4745166_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745166_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 167	<i>Name:</i> Denham Centre Lathe	<i>Location:</i> 10N 13W	
<i>Markings</i>	'DENHAM' [in circle]. 'DENHAMS ENGINEERING LTD / MAKERS HALIFAX ENGLAND / MACHINE No. 5591' 'No. 1187 / NSWGR / Class L'		
<i>Other ID nos</i>	1996 inventory no: 167. ATP330.		

Description:

Large cast-iron lathe with 12 spindle speeds. The bed is 3m long and complete with sheet-metal guard. The cast-iron gear housing is largely intact, although one of the doors has snapped off. A swarf catch-tray and miscellaneous hosing survives at the base of the pedestal foot. Other ancillary items include lamps and oil can. It bears a notice that the colour of the paintwork is not standard and was requested by the NSW Government. The lathe measures 570cm (L) x 175cm (W) x 153cm (H).

Significance:

This Lathe is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1940

The lathe was manufactured by Denhams Engineering Ltd (1899-1982) of Halifax, England and was one of the last of the traditional lathes to be produced before the advent of built-in gear changing mechanisms. It was introduced to the machine shop in Bay 10 (now Bay 11) in 1940 and served most of its life in there. The lathe was only operated by fitters and machinists although final-year fitters and machinist apprentices are also able to use the lathe under supervision. It was moved to Bay 4 North when the Workshops closed in 1989. The lathe was restored and installed on display in Bay 10 in 2004.

Designer/Builder: Denhams Engineering Ltd

Current Use: Display

Modification(s): Lamps were a later addition; the guard over the gears was snapped off probably during the machine's use

Former Uses: Workshop Machinery

Physical Condition:

Overall the Denham Lathe is in good condition although some components have been damaged during use. The machine has been recently degreased. (Rags have been left to soak up excess oil, but a quantity has seeped into the concrete.) It bears minor surface corrosion and flaking paint and the hose on the oil clamp is decayed.

Further Information:

A Pope motor (Item No. 165) sits next to the lathe. The dimensions match the fitting on the pedestal foot of the Denham lathe but the screw holes do not align.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per

ATP S170 Register

their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 If the motor is confirmed as belonging to the lathe it should be moved closer to the lathe to better demonstrate its functional position.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 167.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 166.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745167

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745167_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745167_1t.jpg

ATP S170 Register



File: 4745167_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745167_2t.jpg



File: 4745167_3.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745167_3t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 168	Craven Axle and Journal Lathe	10N 10W	
Markings	'CRAVEN' (red over yellow on N & S faces). 'CRAVEN // CRAVEN BROS. (MANCHESTER) LTD. / REDDISH / STOCKPORT, ENGLAND // SERIAL NO. / 17438/3' 'NSWTD / L.W.120 / SO 31193'		
Other ID nos	1996 inventory no: 168. ATP337.		

Description:

An extremely heavy lathe with an integrated motor driving the chuck and tool holder through a complex set of covered gears. Gear changing was achieved by a series of levers. The cast-iron working bed is 4m long and supports two travelling carriages. Swarf from the lathe's last operation are visible below the bed. The body of the lathe is painted dark grey. An 'ECG' motor is fitted on the western end and a 'DG' motor on the eastern end. It measures 595cm (L) x 185cm (W) x 240cm (H) and rests on a new concrete base.

Significance:

This Lathe is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. -1956

The axle and journal lathe was made by Craven Brothers engineers of Manchester, England, and installed in the machine shop in Bay 9 North (now Bay 10) in 1956. It was one of the first modern industrial lathes introduced to the workshops. It was used for axle-turning and burnishing and remained one of the more complex specialist lathes used in the machine shop. It was relocated to Bay 4N after the closure of the workshops in 1988 and restored and returned to Bay 10 in 2004.

Designer/Builder: Craven Brothers

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Craven Lathe is in sound condition. While worn with use, it has been recently degreased and rags left to soak up the oil. Guards alongside the lathe bed have been recently reinstated, but one is buckled and bent. Overall, the machine bears minor surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to

ATP S170 Register

determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Repair bent guard

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 168.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 167.

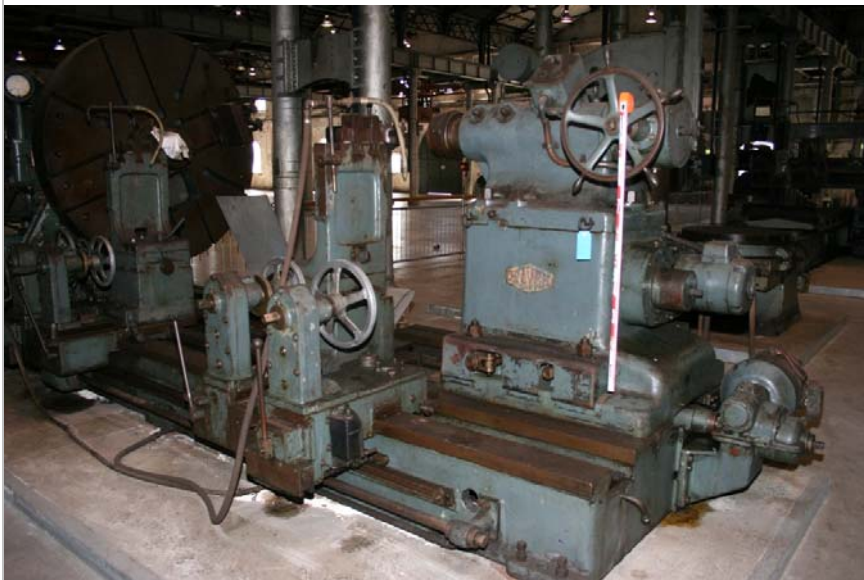
Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745168

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745168_1.JPG

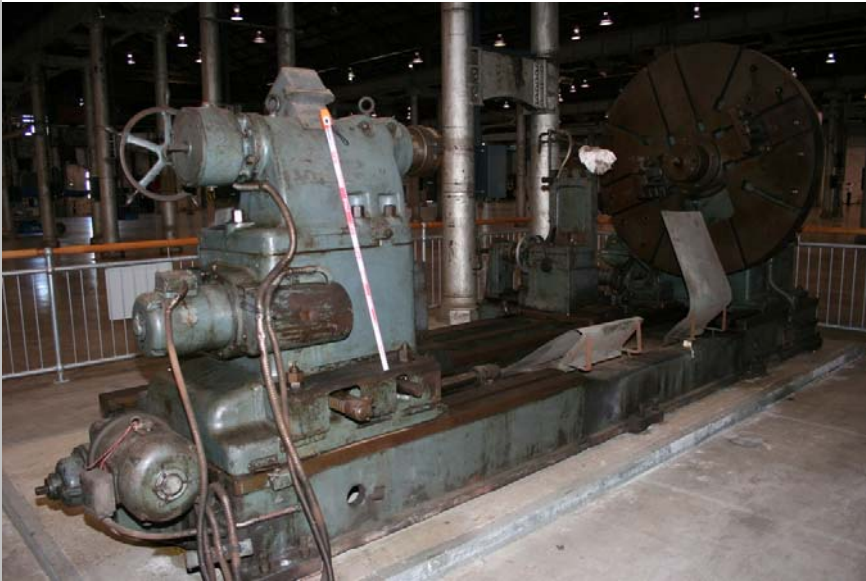
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745168_1t.jpg

ATP S170 Register



File: 4745168_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745168_2t.jpg



File: 4745168_3.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745168_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 169	<i>Name:</i> Stirk Planer	<i>Location:</i> 10N 11-12W	
<i>Markings</i>	'STIRK' (in circle). 'JOHN STIRK & SONS LTD HALIFAX'. 'NSWTD / 11735 / SO 27899' 'STIRK / SPLIT FIELD / DRIVE AND / ELECTRIC / ROTARY FEED / PATENT NOS / 101122 106969 // 110958 143980'. 'For service apply / Gilbert Lodge & Co. Ltd / Sole representatives'. [Other safety notices.]		
<i>Other ID nos</i>	1996 inventory no: 169. ATP333. SRA8709.		

Description:

Large variable speed reversing motor-drive planer, with large cast iron horseshoe-type bed on which the tool carriage ran. The bed was moved backwards and forwards by means of a spiral gear located at 45° to the axis of the planer. Swarf from the planer's last use is visible under the bed. The original motor is still intact and an Igranic motor control box (which is not necessarily associated with this machine originally) has been installed adjacent to the planer. The planer is painted grey.

Significance:

This Planer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1953

This planer was manufactured by machine-tool makers John Stirk and Sons Ltd (1866-) of Halifax, England and supplied by local agents Gilbert Lodge & Co. Ltd (1908-). It was installed in Bay 10 South (now Bay 11) in 1953. It was one of several used by the fitters and machinists for levelling, truing and general planing work from the other bays and from outside the workshops. Relocated to Bay 10 for interpretive display in 2004.

Designer/Builder: John Stirk & Sons Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Stirk Planer is in good condition. It bears minor surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Investigate Igranic motor control box

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 169.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 168.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745169
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745169_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745169_1t.jpg

ATP S170 Register



File: 4745169_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745169_2t.jpg



File: 4745169_3.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745169_3t.jpg

ATP S170 Register



File: 4745169_4.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745169_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 170	<i>Name:</i> Metropolitan Vickers motor	<i>Location:</i> 10N 10E	
<i>Markings</i>	'Metropolitan Vickers Ltd / Manchester / England'		
<i>Other ID nos</i>	1996 inventory no: 170. ATP315.		

Description:

Small three-phase electric motor has a six belt V-pulley attached to it. It was painted green and measures 95cm (L) x 85cm (W) x 55cm (H).

Significance:

This motor is typical of those used to power machinery throughout the workshops following the transition from steam power. There is no evidence for its association with any particular machine. It is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

This motor was built by Metropolitan-Vickers Ltd of Manchester, England.

Designer/Builder: Metropolitan-Vickers Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the motor is in sound condition. There is a loose belt on top.

Further Information:

The motor has been placed alongside the Richards Borer but was probably too small to drive this machine.

Recommended Management:

May be disposed of or retained for interpretive value.

Specific Recommendations:

- 1 Probably not from Richard's Borer: relocate

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 170.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 169.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745170_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745170_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 171	<i>Name:</i> Stirk Planer Motor Generator	<i>Location:</i> 1N 10W	
<i>Markings</i>	'STIRKS' / 'Generator No. 69078' 'MOTOR NO. 69078 / PLANER RATING / STIRK SPLIT FIELD DRIVE / PATENT NOS. / 101122-16 110958-17 143980-119'		
<i>Other ID nos</i>	1996 inventory no: 171.		

Description:

2 cylindrical motor units joined together and fitted to a pedestal base. There are two hoist points on the upper side for lifting the motor. It measures 145cm (L) x 60cm (W) x 70cm (H).

Significance:

This item is a component of the Stirk Planer and has no individual heritage significance. It should be reinstated with the Stirk Planer.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This item is a component of the Stirk Planer, probably removed at the time the Planer was relocated in the 1980s.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Stirk Planer Motor Generator is in sound condition, although its control box cover is missing. It bears minor surface corrosion and flaking paint.

Further Information:

A tag on the motor identifies it as the 'motor for 169 [the Stirk planer]'.

Recommended Management:

This item should be restored and placed in Bay 10 adjacent to the Stirk Planer.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Reinstated alongside the Stirk Planer (item 169) in a functional relationship
- 2 Delete this record

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'.

ATP S170 Register

Reference: 171.

- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 170.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745171
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic



File: 4745171_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745171_1t.jpg

ATP S170 Register



File: 4745171_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745171_2t.jpg



File: 4745171_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745171_3t.jpg

ATP S170 Register



File: 4745171_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745171_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 172	<i>Name:</i> Workbench and Vice	<i>Location:</i> 2N 12E	
<i>Other ID nos</i> 1996 inventory no: 172. ATP451.			

Description:

Workbench with two tiers of shelving. The middle shelf has an upturned outer lip. The back side is enclosed with metal sheeting. The bench measures 140cm (L) x 77cm (W) x 90cm (H); the vice 48cm (L) x 16cm (W) x 29cm (H). More than 200 items are currently stored on top of and underneath the bench, including: vices or clamps from machines, fullers, swage blocks, a pile of 100-150 broken and heavily corroded rings, washers and plate fragments; fire brick, pulley components from a large hoist carriage, and miscellaneous bolts, tools and machine parts.

Significance:

This item is an important part of the spring shop assemblage and represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This workbench was built on site, but it is not known when. It is believed to have been used in the setting out of special springs in the Spring Shop since at least the 1970s. (GML 1996)

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop table

Physical Condition:

Overall the workbench and vice are in good condition. It bears minor surface corrosion and a patch of heavy corrosion on the rear plate. The guard over the vice is buckled.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 172.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 171.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745172

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745172_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745172_1t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 173	Armatures (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 173.

Description:

These items are to be moved to Chullora for disposal.

Significance:

Not located, presumed disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

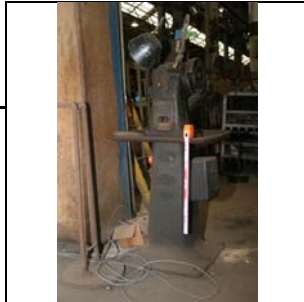
Unable to locate in March 2008: presume disposed. Last known location (1996): 4N 11W

Recommended Management:

Remove from list - presume disposed

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.:	Name:	Location:	
4745 174	Edgwick Grinding Table	2N 14E	
Markings	'EDGWICK' No. 1358 / NSWGR / Class G 'A. H. / SOLE AGENTS / ALFRED HERBERT / (AUSTRALASIA) PTY / SYDNEY. N.S.W.' // 'The British / Thomson Houston Co. Lt / Induction Motor'.		
Other ID nos	1996 inventory no: 174.		

Description:

This small grinding table was used in the Spring Shop. It consists of a heavy cast iron pedestal, head and apron all cast in one piece with two relatively small grinding wheels attached to the ends of the single shaft. It is fitted with a plate inscribed '3' in old-cursive script. It bears two lamps, Wilco light switches, a British Thomson Houston induction motor and an Australian Electrical Industries fuse box. It measures 65cm (L) x 45cm (W) x 180cm (H: to the top of the lamp)

Significance:

This item is a typical small-scale mid-20th-century industrial grinder. It is associated with the Spring Shop and assists in interpreting this aspect of manufacturing on site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1940

The item was installed in the Workshop in 1940 and was used for various small grinding jobs within the Spring Shop.

Designer/Builder: Edgwick

Current Use: Display

Modification(s): Lamps were fitted at a later date.

Former Uses: Workshop machinery

Physical Condition:

Overall the Grinding Table is in a structurally sound condition but is missing components. A guard, lamp and signage have been detached since 1995. It bears some surface corrosion and is generally covered with grime and dust.

Recommended Management:

Relocate in association with Spring Shop collection.

Potential item for disposal.

Specific Recommendations:

- 1 Find and reinstate guard, lamp and signage

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 174.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 173.

Listings:

- 1 *Heritage Act - s. 170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745174

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745174_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745174_1t.jpg



File: 4745174_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745174_2t.jpg

ATP S170 Register



File: 4745174_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745174_3t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 175	Electric motor (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 175.

Description:

This item which bears no name plate is to be moved to Bay 15 for storage and further assessment.

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 4N 10W

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 176	Electric Motor and Parts (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 176.

Description:

This small electric motor formerly flexibly coupled to a machine is of considerable age. The motor and the assembled parts are of unknown providence. These items should be: 1. moved to Chullora for disposal; 2. moved to Bay 15 for further assessment.

Significance:

Not located, presumed disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 4N 10W

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.:	Name:	Location:	
4745 177	Richards' Vertical Borer with Dual Heads	10N 10E	
Markings	'RICHARDS // GEORGE RICHARDS AND CO LTD / BROADHEATH MANCHESTER / ENGLAND'		
	'NSWTD / BV 3171 / SO 28670'		
	'McPhersons Engineers Supplies'		
Other ID nos	1996 inventory no: 177. ATP311. SRA8698.		

Description:

This large machine is a single-bed vertical borer with dual heads. The material for turning, or boring, is set up on a large horizontal chuck and the two tool holders which can be used to cut work in tandem or to carry out different operations on either side of the object being turned, can also be set to cut at an angle. This tapered setting, along with the extraordinarily robust construction made this a most versatile machine tool. The borer is fitted with a Crabtree control box and additional task lighting. It measures 520cm (L) x 350cm (W) x 370cm (H).

Significance:

This Borer is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the workshops in the mid-20th century. It demonstrates the operation of large-scale precision machinery in the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1955

This borer was manufactured by engineers George Richards and Co. Ltd (1880-1952) of Manchester, England or their successors, Staveley Industries, and supplied by the Sydney-based engineers and machine-tool agents McPherson's Ltd (est. in 1860). The borer was installed in the machine shop, Bay 9 (now Bay 10), in 1955 (GML 1996). It remained here until it was moved to Bay 4 after the closure of the Workshops in 1989. The Borer was used on a wide range of cylinders and general work for both steam and diesel locomotives. It was relocated to Bay 10 in 2004 and currently rests on a concrete bed with gravel topping.

Designer/Builder: George Richards and Co. Ltd

Current Use: Display *Modification(s):* Task lighting

Former Uses: Workshop Machinery

Physical Condition:

Overall the Richards' Vertical Borer is in excellent condition. While worn with use it appears to be intact.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 177.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 176.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745177

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745177_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745177_1t.jpg

ATP S170 Register



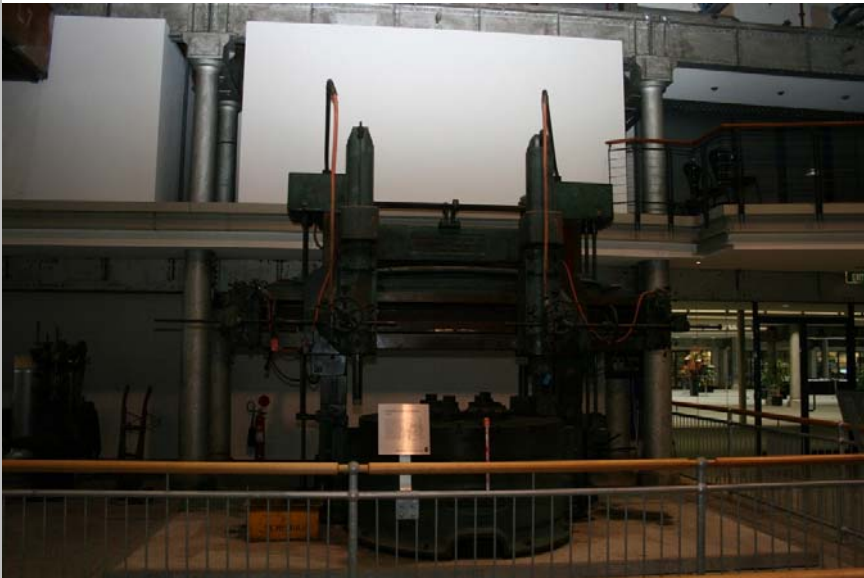
File: 4745177_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745177_2t.jpg



File: 4745177_3.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745177_3t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 178	Rectifier (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 178.

Description:

This large mercury arc rectifier moved to Bay 15 for further assessment.

Significance:

Not located, presumed disposed. Note this is not the same as the DC rectifier presently installed in Bay 1 North.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 179	<i>Name:</i> Pneumatic Gap Riveter Gantry	<i>Location:</i> Outside	
<i>Markings</i>	'BHP Steel' 'NSWG / 900'		
<i>Other ID nos</i>	1996 inventory no: 179.		

Description:

This riveter was used in conjunction with boiler making and spring making technologies. The item originally consisted of a gantry clamped to a metal support column within the workshops, with a winch mechanism supporting a hydraulically driven riveter. The gap riveter itself was placed over the items to be riveted and pressure to the dollies was applied through a pneumatic hydraulic hose. The item now consists of the gantry and winch mechanism only. The riveter itself is missing. The item measures 650cm (L) x 65cm (W) x 325cm (H).

Significance:

This item is incomplete and is not able to be reinstalled within the building or effectively interpreted. Recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

Constructed: c. 1946

The item was established in the workshops in 1946. It is not known where it was located originally or when it was placed in this location. Located in Bay 4 North in 1996.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The item has been stored outside for many years and is affected by flaking paint and structural rust. It is missing components.

Further Information:

Steel for the gantry is marked 'BHP Steel'. The gantry may have been manufactured on site.

Recommended Management:

This item is incomplete and is not able to be reinstalled within the building or effectively interpreted. Recommended for disposal.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 179.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 178.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745179.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745179t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 180	<i>Name:</i> 6' plate rollers	<i>Location:</i> 4N 15E	
<i>Markings</i>	'11858 / MW' 'No. 782 / NSWGR / Class RH'		
<i>Other ID nos</i>	1996 inventory no: 180. SRA8678.		

Description:

This set of plate rollers measuring 310cm (L) x 80cm (W) x 160cm (H) have an effective length of 6 feet or 1.8 metres. The rollers are adjusted manually at either end and were used for rolling boiler plate up to about 3/8 inch thickness. By adjusting the height of the top roller, the diameter of the sheet or plate being put through the rollers can be altered. A stand-alone electric motor is attached.

Significance:

These plate rollers are one of the component machines of the Eveleigh Railway Workshops Machinery Collection. They are primarily significant as one of the few surviving machines installed in the workshops in 1890s. They demonstrate the operation of the Workshops in the production of locomotives and locomotive components. They are important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The item was manufactured in the workshops probably late last century. The rollers would have been originally upgraded from a line shaft but now have a stand-alone electric motor of some antiquity attached to it.

Designer/Builder: Eveleigh

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

The item is in good operating condition.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

ATP S170 Register

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 180.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 179.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745180
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745180_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745180_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 181	<i>Name:</i> Craven Bros Plate Rollers	<i>Location:</i> Missing
<i>Markings</i>	Craven Brothers 1886 Manchester NSWGR No. 543 Class RH	
<i>Other ID nos</i>	1996 inventory no: 181.	

Description:

These plate rollers were the heaviest early rollers in use in the workshop. They have heavy cast iron beds which support three rollers. The two bottom rollers are fixed while the top roller can be raised or lowered to alter the diameter of the sheet being rolled. The top roller bearing is raised and lowered by wheels together with worm gears attached to the top of the end frames. The adjustment is done manually and the diameter of the item determined by trial and error.

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

Constructed: 1886

The item was manufactured by Craven Brothers Manchester in 1886 and this is cast into the massive cast iron end frame. The item has been used continuously since it was brought and installed in the workshops probably in 1887.

Designer/Builder: Craven Bros

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The item is in good/excellent operating condition.

Recommended Management:

This item should be located and retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:


- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 181.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 180.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic

ATP S170 Register

<i>SHI No.:</i> 4745 182	<i>Name:</i> Bennie Metal Guillotine	<i>Location:</i> 2S 2E	
<i>Markings</i>	'J. Bennie & Sons Ltd, Glasgow' // 'James Bennie & Sons Ltd, Glasgow' No. 458 / NSWGR / Class PS 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'. 'Pope / Australia' (on motor)		
<i>Other ID nos</i>	1996 inventory no: 182. ATP31. SRA8679.		

Description:

Large guillotine capable of shearing plate up to 4 foot long and 5/8 inch thick. It has a large flywheel and operates on the inertia principle. It is operated by foot pedal. Plate is placed on the plateholders at the front of the machine and placed in precisely the correct location, the machine is then started and the massive cast iron blade supports are brought against the material and it is cut to length. It was originally constructed to be driven from a line shaft and is now fitted with a Pope motor. Guards and safety grills have been fitted on the eastern and southern sides. The guillotine measures 240cm (L) x 280cm (W) x 270cm (H).

Significance:

The Bennie Metal Guillotine is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the surviving machines installed in the boiler maker's shop in the interwar period. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1923

The guillotine was manufactured by engineers and machine-tool makers James Bennie & Sons Ltd (1840s-1982) of Glasgow, Scotland in the early 1920s (Bennie & Sons became a limited liability company in 1921). The guillotine was installed in the boiler shop in 1923 where it was used to shear thick steel plate for boiler-shells with great precision. It was moved to Bay 4 South (7W) in 1961 and in 1988 was fully equipped with a set of adjustment and maintenance tools, including spare blades (OCP 2002: 171). When workshops closed down the shears were freshly painted on the orders of the boilermaker foreman. The guillotine remained in Bay 4 south until the late 1990s when it moved to Bay 2 South and put back into service for use in the on-site blacksmith shop.

Designer/Builder: James Bennie & Sons Ltd

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall the Bennie Guillotine is in an excellent, operational condition.

Further Information:

<http://www.archiveshub.ac.uk/news/03080503.html>

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

ATP S170 Register

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 182.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 181.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745182
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745182_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745182_1t.jpg

ATP S170 Register



File: 4745182_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745182_2t.jpg



File: 4745182_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745182_3t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 183	Jib crane 10 cwt (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 183.

Description:

This jib crane unlike many of the others has for its king post, one of the cast iron columns between bay 4 and bay 4A. The jib is about 4.5 metres long, its carriage is still in position but the block and tackle which was used to raise material is missing.

Significance:

Not located. Disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 4S

Recommended Management:

Remove from list (disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 184	<i>Name:</i> Hydraulic System Electric Motor	<i>Location:</i> 3S Annex	
<i>Other ID nos</i>	1996 inventory no: 184.		

Description:

This item is located within the Pump Room in the Bay 3S Annex. The Annex is a brick addition with sandstone footings and copings, with a corrugated metal roof supported on metal trusses. This room is essentially untouched since the shutdown of the site and includes the complete hydraulic power assemblage, including the horizontal twin-head pump, the pump motor, overhead reservoir and associated hand tools. The Hydraulic System consists of an electric motor connected to the gearbox of a three throw electric pump, a steam hydraulic pump by Fielding and Platt, a water reservoir and two hydraulic accumulators. This 100 horsepower motor is by Hawthorn Davey and Company Ltd of Leeds, England. It is believed that this motor was installed with the three throw pump. However, the base on which it stands indicates that another motor has been used to power the pump at some time in the past. The motor operates the pump continuously - but is only on load as hydraulic power is being consumed.

Significance:

The Hydraulic System Electric Motor is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site. The item exhibits a high degree of structural integrity. The item is an integral part of the hydraulic pump assemblage, which is unique amongst the collection for being intact and in situ.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1914

The history of this item is unknown but it is believed that it was installed in 1914 to power the Hawthorn Davy three throw pump. It is possible that the footings on which it is mounted were changed in response to the change in the coupling system.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Some dirt and grime but otherwise intact.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 184.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 183.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745184
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic



File: 4745184_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745184_1t.jpg

ATP S170 Register



File: 4745184_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745184_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 185	<i>Name:</i> Hydraulic system pump	<i>Location:</i> 3S Annex	
<i>Other ID nos</i>	1996 inventory no: 185.		

Description:

This item is located within the Pump Room in the Bay 3S Annex. The Annex is a brick addition with sandstone footings and copings, with a corrugated metal roof supported on metal trusses. This room is essentially untouched since the shutdown of the site and includes the complete hydraulic power assemblage, including the horizontal twin-head pump, the pump motor, overhead reservoir and associated hand tools. The Hydraulic System consists of an electric motor connected to the gearbox of a three throw electric pump, a steam hydraulic pump by Fielding and Platt, a water reservoir and two hydraulic accumulators. This is a vertical triplex, single acting pressure pump driven by a 100 horsepower electric motor via a very large reduction gear. The pump was installed in this location in 1914 and is by Hawthorn Davey and Company Limited of Leeds, England. The pump is mounted on a cast iron footing which also holds the platform on which the motor is mounted. When the workshops were in full swing the pump was switched on for each shift. The pump rotated continuously but was not placed under pressure unless hydraulic fluid was being sent through the system.

Significance:

The Hydraulic system pump is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site. It is particularly significant as an integral component of the Pump Room assemblage, which is the only fully intact and in situ assemblage remaining at the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1914

The pump was installed in 1914 in this location to supplement the steam pump.

Designer: Hathorn & Davey & Co Ltd Leeds

Builder: Fielding and Platt

Builder:

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Oiled and in good condition. Some dust and grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to

ATP S170 Register

determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 185.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 184.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745185
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745185.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745185t.jpg

ATP S170 Register

SHI No.: 4745 186	Name: Hydraulic System Steam Pump	Location: 3S Annex	
Markings	PTC NSW X-96-EVE S/O. 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
Other ID nos	1996 inventory no: 186.		

Description:

This item is located within the Pump Room in the Bay 3S Annex. The Annex is a brick addition with sandstone footings and copings, with a corrugated metal roof supported on metal trusses. This room is essentially untouched since the shutdown of the site and includes the complete hydraulic power assemblage, including the horizontal twin-head pump, the pump motor, overhead reservoir and associated hand tools. This is a two-cylinder horizontal steam engine direct linked with a two-cylinder pressure pump manufactured in England, about 1885. The two reciprocating pump cylinders are each driven directly by steam cylinders by sharing a common piston shaft and are mounted behind and in line with each steam cylinder. The cylinders are marked 'L' and 'R'. The con-rods to the two metre diameter fly wheel are joined to the centre of each cylinder/pump/piston. Over speed regulation is by a governor driven from the fly wheel crank shaft. The pump is connected to the Number 4 steam boiler and when it was in operation the valving system was actuated by the rise and fall of the accumulators.

Significance:

The Hydraulic system steam pump is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site. It is particularly significant as an integral component of the Pump Room assemblage, which is the only fully intact and in situ assemblage remaining at the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1886

The pump was installed in this position in 1886 and has been shown in this location on various maps and plans since.

Designer/Builder: Fielding and Platt, Sole Makers,
Gloucester England

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Good condition, some dirt and grime.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 186.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 185.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745186
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic



File: 4745186_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745186_1t.jpg

ATP S170 Register



File: 4745186_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745186_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 187	<i>Name:</i> Hydraulic System Overhead Reservoir	<i>Location:</i> 3S Annex	
<i>Other ID nos</i>	1996 inventory no: 187.		

Description:

This hydraulic reservoir was installed in 1886 to hold the water for the hydraulic system. This hydraulic system exhausted waste and there appears to have been no return pipes. It consists of a rectangular riveted wrought iron tank, supported on timber and wrought iron supports above the horizontal steam pump.

Significance:

The Hydraulic System Overhead Reservoir is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site. It is part of the Pump Room assemblage, which is unique on the site for being intact and in situ.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1886

Installed in this location in 1886 as a part of the steam pump assemblage.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Tank exhibits some rust and flaking paint. Its contents and integrity are unknown.

Recommended Management:

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be kept closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be cleaned of dust annually through wiping, vacuuming or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 187.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 186.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745187

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

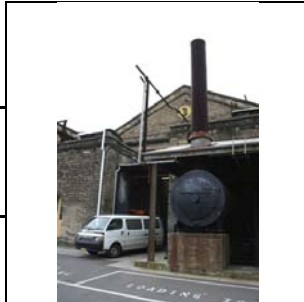
Date Updated: 4 Jul 2008

Status: Basic



File: 4745187.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745187t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 188	<i>Name:</i> C36-class Boiler	<i>Location:</i> 2S Annex	
<i>Markings</i>	'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 188.		

Description:

This C36-class Locomotive Boiler is the first (western-most) in a row of four cast-iron boilers in an annex south of Bay 2. They each measure over 8m long and 3m high and the blower for this boiler is in situ. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe. The boilers are distinguished by their 4m high steel stacks which rise above the skillion addition to the boilerhouse and by their massive steel locomotive frontplates.

Significance:

The steam boilers are significant as the core components of the power system for the Eveleigh Locomotive Workshops. Originally coal fired, they were later converted to oil and provided the steam to power the Workshops from the mid-1920s. The boilers are in a prominent location within the site and are evocative symbols of the site's industrial past. The boilers are integral to the interpretation of the Eveleigh Locomotive Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1925-1930

The four boilers were built to power C36-class passenger locomotives. The class was introduced in 1925. It is believed that they were removed from locomotives operating on the SRA network and were modified then installed in this location in the late 1920s (Cserhalmi 2002), perhaps following repairs to the new rolling stock. It is possible that they are four of the ten C36-class boilers built at the Eveleigh workshops between 1924 and 1927 (Cserhalmi 2002). Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location (GML 1996). The Boilers were originally hand stoked and coal-fired and installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. They were converted to oil in the 1970s which required the addition of new equipment, such as blowers.

Builder:

Builder: Eveleigh?

Current Use: Display

Modification(s): converted to oil in the 1970s; some of the oil equipment has been removed

Former Uses: Workshop Machinery

Physical Condition:

This C36-class Boiler is in poor condition. The sheeting and chimney are both heavily corroded. The extension rails are corroded. The vent cover and louver are detached. The condition of internal components and northern face of the boilers is unknown.

Further Information:

In 2002 Cserhalmi reported that 'the condition of the boilers is unknown although three were in operation at the time the workshops closed in 1988. Recommendations at that time were made to the SRA that the boilers were to be blown down and limed to prevent corrosion taking place. It is unknown whether this procedure was carried out. Before the boilers can be recommissioned they would have to pass inspection and because of their age would probably only be allowed to produce steam at a relatively low pressure. The boilers are located in a pit which at present fills up with water after rain due to blocked drains. Urgent action is required to remedy this problem.'

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards.

ATP S170 Register

or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Boiler inspector to examine internal components
- 2 Conservator to inspect the external corrosion and patch or completely replace the sheeting and chimney fabric, where required
- 3 Long term: waterproof area
- 4 Consider reconstruction of coal pit

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 188.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 187.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745188

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745188_1.jpg

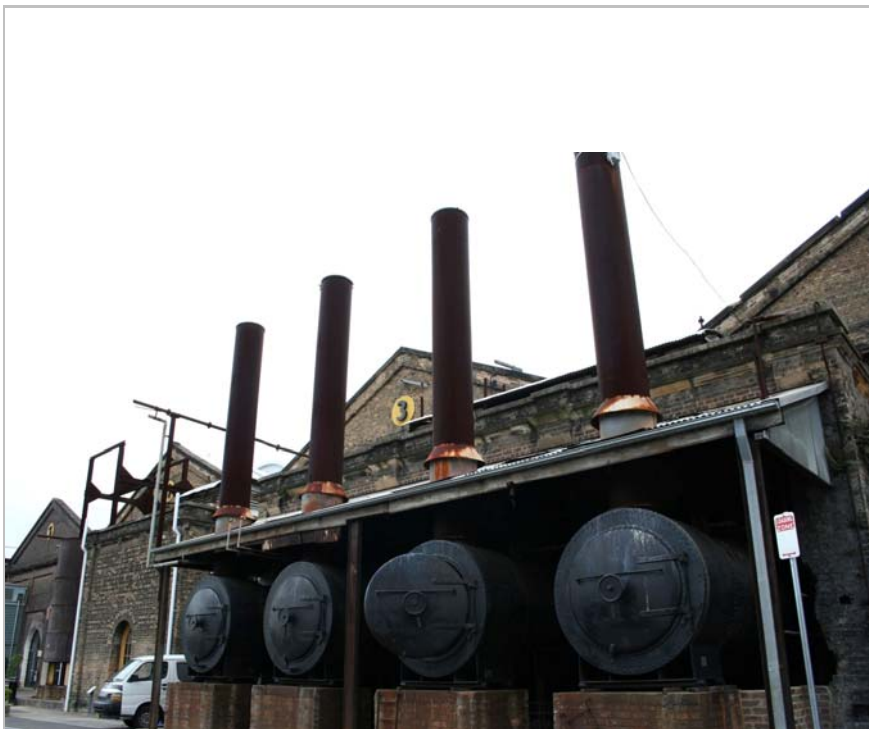
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745188_1t.jpg

ATP S170 Register



File: 4745188to191_1.JPG

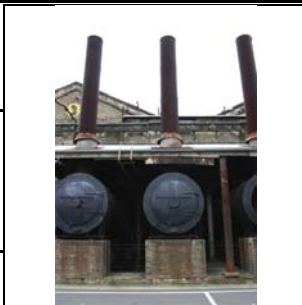
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745188to191_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 189	<i>Name:</i> C36-class Boiler	<i>Location:</i> 2S Annex	
<i>Markings</i>	C.36 // E // 6940 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 189.		

Description:

This C36-class Locomotive Boiler is the second from the left in a row of four cast-iron boilers in an annex south of Bay 2. They each measure over 8m long and 3m high. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe. The boilers are distinguished by their 4m high steel stacks which rise above the skillion addition to the boilerhouse and by their massive steel locomotive frontplates.

Significance:

The steam boilers are significant as the core components of the power system for the Eveleigh Locomotive Workshops. Originally coal fired, they were later converted to oil and provided the steam to power the Workshops from the mid-1920s. The boilers are in a prominent location within the site and are evocative symbols of the site's industrial past. The boilers are integral to the interpretation of the Eveleigh Locomotive Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1925-1930

The four boilers were built to power C36-class passenger locomotives. The class was introduced in 1925. It is believed that they were removed from locomotives operating on the SRA network and were modified then installed in this location in the late 1920s (Cserhalmi 2002), perhaps following repairs to the new rolling stock. It is possible that they are four of the ten C36-class boilers built at the Eveleigh workshops between 1924 and 1927 (Cserhalmi 2002). Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location (GML 1996). The Boilers were originally hand stoked and coal-fired and installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. They were converted to oil in the 1970s which required the addition of new equipment, such as blowers.

Builder:

Builder: Eveleigh?

Current Use: Display

Modification(s): converted to oil in the 1970s; some of the oil equipment has been removed

Former Uses: Workshop Machinery

Physical Condition:

This C36-class Boiler is in poor condition. The sheeting and chimney are both corroded but in tact. There is some evidence of patching to the sheeting. The extension rails are corroded. The condition of internal components and northern face of the boilers is unknown.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

ATP S170 Register

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 boiler inspection
- 2 Strong anti-corrosion treatment
- 3 Long term: waterproof area
- 4 Consider reconstruction of coal pit

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 189.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 188.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745189

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745189_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745189_1t.jpg

ATP S170 Register



File: 4745188to191_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745188to191_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 190	<i>Name:</i> C36-class Boiler	<i>Location:</i> 2S Annex	
<i>Markings</i>	C.36 // E // 6940 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 190.		

Description:

This C36-class Locomotive Boiler is third from the left in a row of four cast-iron boilers in an annex south of Bay 2. They each measure over 8m long and 3m high. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe. The boilers are distinguished by their 4m high steel stacks which rise above the skillion addition to the boilerhouse and by their massive steel locomotive frontplates.

Significance:

The steam boilers are significant as the core components of the power system for the Eveleigh Locomotive Workshops. Originally coal fired, they were later converted to oil and provided the steam to power the Workshops from the mid-1920s. The boilers are in a prominent location within the site and are evocative symbols of the site's industrial past. The boilers are integral to the interpretation of the Eveleigh Locomotive Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1925-1930

The four boilers were built to power C36-class passenger locomotives. The class was introduced in 1925. It is believed that they were removed from locomotives operating on the SRA network and were modified then installed in this location in the late 1920s (Cserhalmi 2002), perhaps following repairs to the new rolling stock. It is possible that they are four of the ten C36-class boilers built at the Eveleigh workshops between 1924 and 1927 (Cserhalmi 2002). Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location (GML 1996). The Boilers were originally hand stoked and coal-fired and installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. They were converted to oil in the 1970s which required the addition of new equipment, such as blowers.

Current Use: Display

Modification(s): converted to oil in the 1970s

Former Uses: Workshop Machinery

Physical Condition:

This C36-class Boiler is in sound condition. The boiler sheeting bears some surface corrosion but is intact. The smoke stack bears remnant paint surfaces. The extension rails are corroded, and a wasps nest is visible from the southern side. The condition of internal components and northern face of the boilers is unknown.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to

ATP S170 Register

determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 boiler inspection
- 2 treat surface rust before it becomes structural
- 3 close door
- 4 remove wasps nest
- 5 Long term: waterproof area
- 6 Consider reconstruction of coal pit

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 190.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 189.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745190

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745190_1.jpg

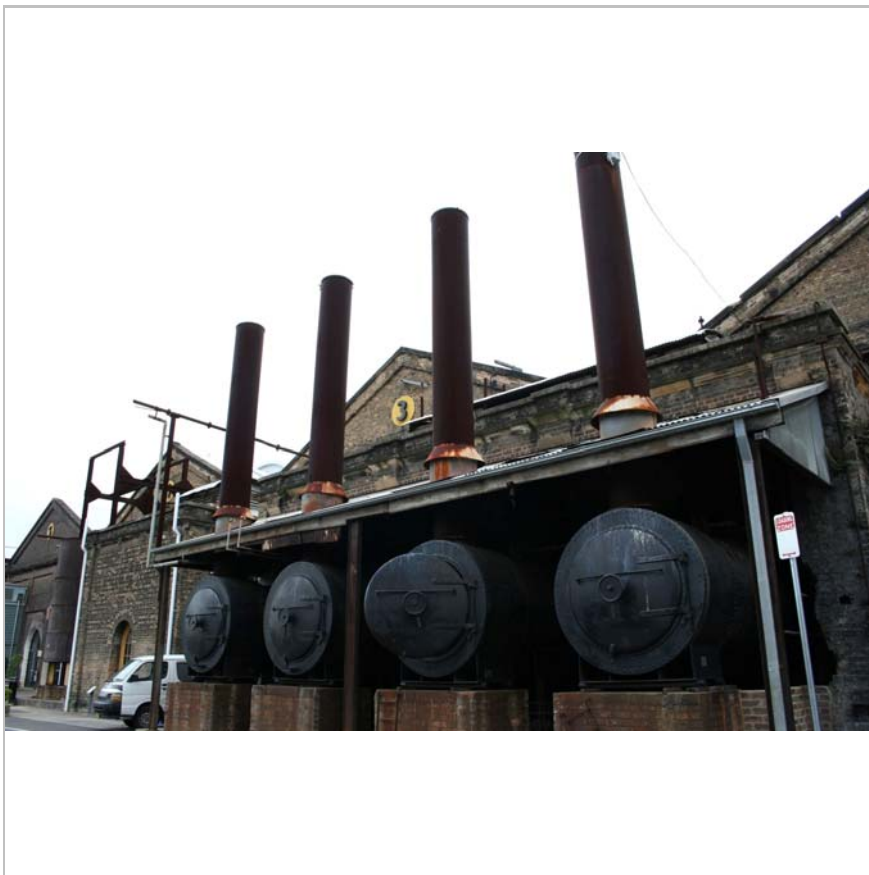
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745190_1t.jpg

ATP S170 Register



File: 4745188to191_1.JPG

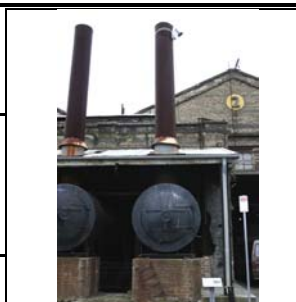
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745188to191_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 191	<i>Name:</i> C36-class Boiler	<i>Location:</i> 2S Annex	
<i>Markings</i>	C.36 // E // 6940 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 191.		

Description:

This C36-class Locomotive Boiler is the fourth (eastern-most) in a row of four cast-iron boilers in an annex south of Bay 2. They each measure over 8m long and 3m high and the blower for this boiler is in situ. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe. The boilers are distinguished by their 4m high steel stacks which rise above the skillion addition to the boilerhouse and by their massive steel locomotive frontplates.

Significance:

The steam boilers are significant as the core components of the power system for the Eveleigh Locomotive Workshops. Originally coal fired, they were later converted to oil and provided the steam to power the Workshops from the mid-1920s. The boilers are in a prominent location within the site and are evocative symbols of the site's industrial past. The boilers are integral to the interpretation of the Eveleigh Locomotive Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1925-1930

The four boilers were built to power C36-class passenger locomotives. The class was introduced in 1925. It is believed that they were removed from locomotives operating on the SRA network and were modified then installed in this location in the late 1920s (Cserhalmi 2002), perhaps following repairs to the new rolling stock. It is possible that they are four of the ten C36-class boilers built at the Eveleigh workshops between 1924 and 1927 (Cserhalmi 2002). Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location (GML 1996). The Boilers were originally hand stoked and coal-fired and installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. They were converted to oil in the 1970s which required the addition of new equipment, such as blowers.

Builder:

Builder: Eveleigh / Clyde Engineering

Current Use: Display

Modification(s): converted to oil in the 1970s; some of the oil equipment has been detached but is still present

Former Uses: Workshop Machinery

Physical Condition:

This C36-class Boiler is in poor condition, although the rear pipe work appears to be intact. Moderate to severe corrosion is evident. The sheeting bears structural damage at the base of the cylinder and the bands around it are loose. The chimney stack is heavily corroded but not as badly as Boiler 188. The extension rails are corroded. The condition of internal components and northwestern face of the boilers is unknown.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the

ATP S170 Register

conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 boiler inspection
- 2 patch or replace boiler sheeting
- 3 strong anti-corrosion treatment
- 4 Long term: waterproof area
- 5 Consider reconstruction of coal pit

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 191.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 190.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745191

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745191_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745191_1t.jpg

ATP S170 Register



File: 4745188to191_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745188to191_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 192	<i>Name:</i> Pressure vessel	<i>Location:</i> 3S Exterior	
<i>Other ID nos</i> 1996 inventory no: 192.			

Description:

Large cylindrical pressure vessel on the southern exterior wall of Bay 3 comprised of a riveted cylindrical tank mounted on a concrete pedestal. There is a valve at the base and a pressure release at the top. The NSW government identification plate has been chipped off.

Significance:

This item is a component of the Eveleigh Locomotive Workshops and assists in interpreting the historic operation of the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the pressure vessel is in sound condition. It bears minor surface corrosion and its paintwork is deteriorated.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 192.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 191.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745192

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745192_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745192_1t.jpg



File: 4745192_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745192_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 193	<i>Name:</i> Hydraulic accumulator	<i>Location:</i> 3S Exterior	
<i>Other ID nos</i> 1996 inventory no: 193.			

Description:

A large cylindrical tank approximately 5m high and 3m in diameter comprised of welded and riveted sheet-metal panels. The rivets are mushroom-shaped. It is believed that both accumulators were filled with scrap iron and sandstone. The accumulator, through its weight, gives an artificial head to the water in the hydraulic system. The inlet and outlet is through a single pipe which enters the tank at the base. The accumulator is fitted with guide rails which have top and bottom, cutout and activating switches. (GML 1996)

Significance:

This item is a component of the Eveleigh Locomotive Workshops and assists in interpreting the historic operation of the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this and the adjacent hydraulic accumulator is unknown (item no. 4745194), but both appear to have been manufactured from recycled materials.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the hydraulic accumulator is in sound condition. It bears some surface corrosion.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 193.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 192.

Listings:

- 1 *Heritage Act - s 170 NSW State agency heritage register: Australian Technology Park Heritage Register*

ATP S170 Register

Listing date: 30 Jun 08. Reference Number: 4745193

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 26 Aug 2008

Status: Basic



File: 4745193_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745193_1t.jpg



File: 4745193_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745193_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 194	<i>Name:</i> Hydraulic accumulator	<i>Location:</i> 3S Exterior	
<i>Other ID nos</i> 1996 inventory no: 194.			

Description:

A large cylindrical tank approximately 4.5m high and 2.6m in diameter comprised of welded and riveted sheet-metal panels. The rivets are flat-headed. It is believed that both accumulators were filled with scrap iron and sandstone. The accumulator, through its weight, gives an artificial head to the water in the hydraulic system. The inlet and outlet is through a single pipe which enters the tank at the base. The accumulator is fitted with guide rails which have top and bottom, cutout and activating switches. (GML 1996)

Significance:

This item is a component of the Eveleigh Locomotive Workshops and assists in interpreting the historic operation of the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this and the adjacent hydraulic accumulator is unknown (item no. 4745193), but both appear to have been manufactured from recycled materials.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the hydraulic accumulator is in poor condition. There is damage to the brick base, the timber is rotten and the tank is heavily corroded and actively leaking water.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 194.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 193.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technological Park Heritage Register*

ATP S170 Register

Listing date: 30 Jun 08. Reference Number: 4745194

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 26 Aug 2008

Status: Basic



File: 4745194_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745194_1t.jpg



File: 4745194_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745194_2t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 195	Jib crane (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 195.

Description:

NA (disposed)

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 3S 5E

Recommended Management:

Remove from list (disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 196	<i>Name:</i> Arrol Overhead Travelling Crane L6	<i>Location:</i> 4S 1C	
<i>Markings</i>	'SIR WILLIAM ARROL AND CO. LTD / PARKHEAD GLASGOW / ORDER 913 LOAD 25 TONS 1916'. 'L6' (on cabin)		
<i>Other ID nos</i>	1996 inventory no: 196.		

Description:

Cast-iron riveted twin-beam overhead travelling crane with a 25-ton rating spanning Bay 4. It is a composite lattice and plate girder beam crane which is electrically powered and is driven from an operators cabin slung beneath the beam. It is 4.4m wide.

Significance:

This Arrol Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1916

This crane was manufactured by Sir William Arrol and Co. Ltd of Glasgow in 1916. It was electrically powered when installed. Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Sir William Arrol and Co. Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L5 is in good condition despite some surface corrosion.

Further Information:

This was originally recorded in the GML inventory as having been made by 'Sir William Arrowfield of Glasgow'.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 196.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 195.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745196

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register




File: 4745196_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745196_1t.jpg



File: 4745196_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745196_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 197	<i>Name:</i> Craven Overhead Travelling Crane L5	<i>Location:</i> 4N 9C	
<i>Markings</i>	'CRAVEN BROTHERS / 16 TONS / 1884' (oval plate, S). 'L.5 LOAD NOT TO EXCEED. 16.TONS' (plate, S). 'CRAVEN BROS LTD / LOAD 16 TONS // 1914' (on hoist)		
<i>Other ID nos</i>	1996 inventory no: 197.		

Description:

Cast-iron riveted twin-beam overhead travelling crane with a timber platform carriage spanning Bay 4. It has an upper carriage to hold the cable and motor for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 3.8m wide.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1884-1888

This crane was manufactured by Craven Bros Ltd of Manchester, England, in 1884 and was installed in Bay 3 in 1888 (GML 1996). It was one of the first cranes installed in the workshops. It was originally steam powered and converted to electricity in the early 20th century. Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears. It was relocated to Bay 4 in the mid-2000s, at which time its cabin was removed and placed in storage in Bay 1 north.

Designer/Builder: Craven Brothers

Current Use: Display

Modification(s): Hoist inspected or replaced in 1914

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L5 is in good condition despite some surface corrosion.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 197.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 196.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745197

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745197_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745197_1t.jpg



File: 4745197_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745197_2t.jpg

ATP S170 Register



File: 4745197_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745197_3t.jpg



File: 4745197_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745197_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 198	<i>Name:</i> Furnace	<i>Location:</i> 1N 11W	
<i>Markings</i>	'Gasco *' // 'AGL Co. SYDNEY / EF5076' // '3' [painted on side] NSWTD / FR10 / SO [blank]		
<i>Other ID nos</i>	1996 inventory no: 198.		

Description:

Small gas-fired furnace with steel frame base and cast-iron door embossed 'Gasco'. It measures 160cm (L) x 130cm (W) x 250cm (H) including the associated pipe work.

Significance:

This item is typical of the shop-built furnaces made in the 20th century. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this furnace is unknown, but its 'NSWTD' nameplate suggests it was acquired between 1932 and 1972. It is probable that furnace stand was shop-built. It is unknown if the furnace unit itself was made by Gasco, or whether this was moved from another machine.

Current Use: Display

Modification(s): It was retrofitted with an electrical control system at an unknown date.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Furnace is in sound condition. The foot pedal still works and the door, pipe work and safety signage are still intact. It bears minor surface corrosion and is generally covered with grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Relocate to its original location in Bay2N 6w, near the steam hammer

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 198.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 197.

ATP S170 Register

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745198
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic



File: 4745198_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745198_1t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 199	Air receivers (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 199.

Description:
NA (disposed)

Significance:
Not located - presumed disposed

Assessed Significance: *Endorsed Significance:*

Historical Notes:
The history of the item is unknown.

Current Use: NA (disposed)
Former Uses: Working machinery


Physical Condition:
NA (disposed)

Further Information:
Unable to locate in March 2008: presume disposed.

Recommended Management:
Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 200	<i>Name:</i> Tangye 48" wheel lathe	<i>Location:</i> 10S 5-6E	
<i>Markings</i>	Obv: 'TANGYES LIMITED / ENGINEERS / CORNWALL WORKS / BIRMINGHAM'. Rev: 'TANGYES' 'No. LW 119' (hand-painted). '9/82' (round paddle) 'Tork Class Crompton Parkinson' (motor) // 'Supplied by Alfred Herbert Ltd'		
<i>Other ID nos</i>	1996 inventory no: 200.		

Description:

This massive cast-iron wheel lathe remains in situ in its original brick pit bed with a concrete floor. It is a twin wheel lathe and its setting and operation was partially by a self-contained hydraulic mechanism. The lathe was used for turning two wheels on a bogey assembly at the one time. The lathe and its associated elements appear to be in situ, including multiple guards and brass safety plates. A pair of bogeys (162cm W, 90cm diameter, 15cm diameter shaft) is set in the machine. Oil remains in the sump and at least two waste traps on the west side are full of shraff fillings (others remain under wooden floorboards). The lathe measures 730cm (L to the end of lathe bed, about 950cm to the end of the motor and motor controller) x 250cm (W) x 210cm (H). The maximum width of the chuck is 250cm.

Significance:

This wheel lathe is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines with a purpose specific to the production of locomotives and locomotive components. Bearing evidence of its last use, it demonstrates the operation of the Workshops in the installed in the workshops in the 20th century. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The wheel lathe was manufactured by the engineering firm Tangyes Ltd of Birmingham, England (made a limited liability company in 1881). It was supplied by the Sydney office of English engineers Alfred Herbert Ltd. It is not known when it was installed in this location, but probably in the 1930s or 1940s. In 1995 it was protected under corrugated iron housing. It was restored in 2004.

Designer/Builder: Tangyes Ltd

Current Use: Display

Modification(s): Motor is a later addition.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Tangye wheel lathe is in good condition. It remains in its original brick pit, with many elements left as they were when the machine was last in use. It suffers minor surface corrosion and flaking paint. Some modern rubbish has accumulated in the pit.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to

ATP S170 Register

determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 remove rubbish from pit

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 200.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 199.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745200

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic



File: 4745200_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745200_1t.jpg

ATP S170 Register



File: 4745200_2.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745200_2t.jpg



File: 4745200_3.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745200_3t.jpg

ATP S170 Register



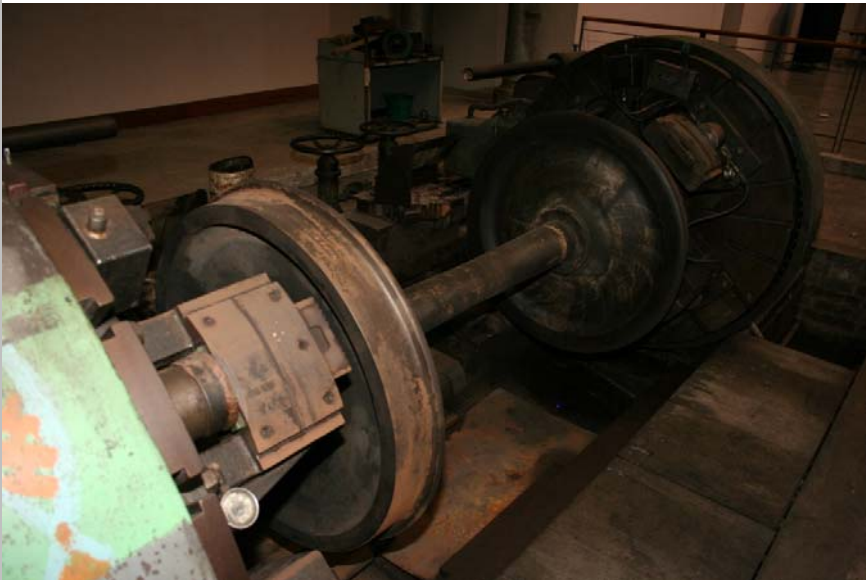
File: 4745200_4.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745200_4t.jpg



File: 4745200_5.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745200_5t.jpg

ATP S170 Register



File: 4745200_6.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745200_6t.jpg



File: 4745200_7.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745200_7t.jpg

ATP S170 Register



File: 4745200_8.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745200_8t.jpg



File: 4745200_9.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745200_9t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 201	Platform trolley (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 201.

Description:

NA (disposed)

Significance:

Not located, presume disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 3N 12W

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 202	<i>Name:</i> Ransomes & Rapier Overhead Travelling Crane L8	<i>Location:</i> 5N 8C	
<i>Markings</i>	'RANSOMES & RAPIER LTD / MAKERS / IPSWICH . ENGLAND / LOAD 25 TONS'. 'L8' (on cabin)		
<i>Other ID nos</i>	1996 inventory no: 202.		

Description:

Cast-iron riveted twin-beam overhead travelling crane with timber platform spanning Bay 5. It has an upper carriage to hold the cable and motor for the pair of hoists (one main, one auxiliary). A driver's cabin (with curtain intact) is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 4m wide.

Significance:

This Ransomes & Rapier Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of overhead cranes installed in the workshops in the late 19th and early 20th centuries. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This crane was manufactured by Ransomes & Rapier Ltd (est. 1799, made a limited liability company in 1896) in the late 19th or early 20th century. The history of its installation at the workshops is unknown.

Designer/Builder: Ransomes & Rapier Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L8 is in good condition despite some surface corrosion.

Further Information:

This was originally recorded as a Craven crane in the 1996 inventory, but the picture clearly indicates that it was this, Ransomes & Rapier crane.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 202.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 201.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745202

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745202_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745202_1t.jpg



File: 4745202_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745202_2t.jpg

ATP S170 Register



File: 4745202_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745202_3t.jpg



File: 4745202_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745202_4t.jpg

ATP S170 Register



File: 4745202_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745202_5t.jpg



File: 4745202_6.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745202_6t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 203	<i>Name:</i> Fuel Tank	<i>Location:</i> 2S Annex	
<i>Other ID nos</i> 1996 inventory no: 203.			

Description:

The reservoir is a three piece cast iron unit mounted on a timber platform supported by columns at the north end of the annex to Bay 2 south. The reservoir is fitted with a volume indicator and receives water from the low pressure return pipe and supplies water to the pumps again through a low pressure 4 inch dia. pipe. (OCP 2002: 163) The reservoir are fuel tanks containing diesel and waste oil which are burned in the forges.

Significance:

This item is a component of the Blacksmith's Shop and is used to provide fuel to the forges. It assists in interpreting the historic operation of the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Fuel tank

Former Uses: Fuel tank

Physical Condition:

Good. The tanks are in use and appear to have been recently repainted.

Further Information:

Marked as 206 on the GML 1996 plan, but not Inventory sheet was provided

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 460.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 203.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745203

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745203_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745203_1t.jpg



File: 4745203_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745203_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 204	<i>Name:</i> Line shafting	<i>Location:</i> 2N 12W	
<i>Other ID nos</i>	1996 inventory no: 204a.		

Description:

1.75m length of line shafting with a 43cm diameter belt drive, set on laced cast-iron brackets.

Significance:

This section of line shafting is one of the few surviving remnants of steam power operations in the Workshops. It is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this item is unknown but it was likely to have been cast and assembled on site. The cast-iron braces probably date to the late 19th or early 20th century.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the Line shafting is in poor condition. It bears minor surface corrosion and is generally covered with grime and dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Degrease

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 204a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 202.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745204

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745204_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745204_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 205	<i>Name:</i> Height-setting Table	<i>Location:</i> 10N 15E	
<i>Other ID nos</i> 1996 inventory no: 205a. ATP326.			

Description:

Custom-made table with thick timber legs, two shelves, a sloping bench with a removable metal setting-out surface and timber and metal strap bracing on the sides. The timber is painted grey and measures 153cm (L) x 93cm (W) x 79cm (H). A timber block and rag lie on the table top.

Significance:

This furnace is an important component of the Spring Shop assemblage and is as one of the few surviving examples of auxiliary equipment installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but is certainly pre-World War 1. Used for Spring Shop fitter for setting out springs. Relocated to Bay 10 for interpretive purposes in 2004.

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the height-setting table is in sound condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 205a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 203.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745205

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745205_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745205_1t.jpg



File: 4745205_2.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745205_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 206	<i>Name:</i> De Burgue electric shears	<i>Location:</i> 1S Annex	
<i>Markings</i>	NSWG [embossed] 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 206. SRA8652.		

Description:

Very large (3m+) set of metal shears that appear to have originally been belt-driven and later converted to electricity. The shears are given their cutting force through the use of a massive flywheel housed behind a metal guard. The shears are set into the ground on a concrete pad. A later 1 ton crane has been added to the top of the shears.

Significance:

This shears are one of the component machines of the Eveleigh Railway Workshops Machinery Collection. They are primarily significant as one of the few surviving machines installed in the workshops prior to World War I. It demonstrates the operation of the Workshops for the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The shears were manufactured by Engineers De Bergue & Co Ltd of Manchester, England, prior to World War I. They were originally been belt-driven and later converted to electricity.

Designer/Builder: De Bergue & Co Ltd

Current Use: Workshop Machinery *Modification(s):* Electrification
Former Uses: Workshop Machinery

Physical Condition:

Badly weathered & considerable surface rust

Recommended Management:

This item should be retained in situ.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from

ATP S170 Register

all power sources and retained as a static display item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 206.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 204.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745206
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745206_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745206_1t.jpg

ATP S170 Register



File: 4745206_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745206_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 207	<i>Name:</i> Craven Overhead Crane	<i>Location:</i> 1N 14C	
<i>Markings</i>	'CRAVEN BROTHERS / LIMITED 5 TONS / 1910 / MANCHESTER' (on north & south beams) // 'CRAVEN BROs . Ltd . MANCHESTER' (on north platform)		
<i>Other ID nos</i>	1996 inventory no: 207.		

Description:

This crane consists of twin plate girder beams which taper towards the end. The crane rail beams on the eastern and western side have been attached to new columns formed from high universal section steel. The crane was operated from a small cab which is suspended beneath the crane beams. The cab holds three motor controllers, one for each of the motors which powered the longitudinal movement of the crane, transverse movement of the crane carriage and of the crane hoisting cable.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of CHECK steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1910

The crane was made by Craven Brothers of Manchester, England in 1910. It was probably first installed in another bay in the workshops and moved to this location in 1926 to aid the installation of the Davy Press and then be dedicated to its operation. It would appear that the crane was originally driven by continuous rope, powered by a steam engine at one end of the workshop and later converted to electric power.

Designer/Builder: Craven Brothers

Current Use: Display **Modification(s):** Electrified

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane is in sound condition. It bears minor surface corrosion.

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 207.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 205.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745207

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745207_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745207_1t.jpg



File: 4745207_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745207_2t.jpg

ATP S170 Register



File: 4745207_3.jpg

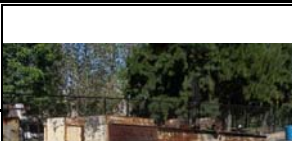
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745207_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 208	<i>Name:</i> Wheel shop pivot crane L40	<i>Location:</i> Outside	
<i>Markings</i>	1) 'HENRY BERRY & Co. Ltd / LEEDS' // 'L40' // 'LOAD NOT TO EXCEED 7 TONS' // 'SWL 7 TONNE, Class 3'. 2) 'FRODINGHAM IRON & STEEL / ENGLAND' [embossed on steel beams] 'PC40' [aluminium tag] 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 208		

Description:

The crane consists of a heavy cast-iron pedestal which supports a large ring gear and a vertical king post. Suspended from the king posts is a rotatable crane assembly which consists of a horizontal jib, a vertical mast surrounding the king post, a pair of diagonal braces and a heavy counter weight. The operators cabin is also suspended from the king post. Mounted on the crane assembly are three electric motors, drive chains and rope tackle to enable loads to be hoisted, traversed or slewed. The crane was one of two installed to lift and manoeuvre bogies or boggy sets and individual wheels over the wheel press itself and onto the ring machine. The crane was operated by the crane driver using three motor controllers located within the cabin.

Significance:

The Wheel shop pivot crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item contributes to understanding and interpretation of the overall Eveleigh Locomotive Workshops site, but is not specific to railway manufacturing.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1917-1918

The crane was installed in the wheel press shop in 1917 or 1918. It operated continuously from that time until its decommissioning in 1988. It was located in Bay 4A North in 1996.

Designer/Builder: Henry Berry and Co. Leeds

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The crane has been disassembled into four components: the base, jib, winch mechanism and cab and have been stored outside for many years. The base, jib and winch mechanisms are all rusted with flaking paint. The cab is in very poor condition, with significant structural rust, loss of timber components and substantial loss of control mechanism components. While the base, jib and winch may be able to be restored to display condition, the cab is not.

Further Information:

Crane motor is a 'Lancashire Dynamo & Motor Company, Manchester' motor.

Recommended Management:

As there are two identical examples of this type of crane, in similar condition, restore one example to display condition (except for the cab) and display outside within the ATP site. Following restoration, the other components may be archivally recorded and disposed of.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 208.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 206.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745208

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745208_209_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745208_209_1t.jpg



File: 4745208_209_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745208_209_2t.jpg

ATP S170 Register



File: 4745208_209_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745208_209_3t.jpg

ATP S170 Register

SHI No.: 4745 209	Name: Wheel shop pivot crane L41	Location: Outside	
Markings	1) 'HENRY BERRY & Co. Ltd / LEEDS' // 'L41' // 'LOAD NOT TO EXCEED 7 TONS' // 'SWL 7 TONNE, Class 3'. 2) 'FRODINGHAM IRON & STEEL / ENGLAND' [embossed on steel beams]		
Other ID nos	1996 inventory no: 209.		

Description:

The crane consists of a heavy cast-iron pedestal which supports a large ring gear and a vertical king post. Suspended from the king posts is a rotatable crane assembly which consists of a horizontal jib, a vertical mast surrounding the king post, a pair of diagonal braces and a heavy counter weight. The operators cabin is also suspended from the king post. Mounted on the crane assembly are three electric motors, drive chains and rope tackle to enable loads to be hoisted, traversed or slewed. The crane was one of two installed to lift and manoeuvre bogies or bogy sets and individual wheels over the wheel press itself and onto the ring machine. The crane was operated by the crane driver using three motor controllers located within the cabin.

Significance:

The Wheel shop pivot crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item contributes to understanding and interpretation of the overall Eveleigh Locomotive Workshops site, but is not specific to railway manufacturing.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1917

The crane was installed in the wheel press shop in 1917 or 1918. It operated continuously from that time until its decommissioning in 1988. It was located in Bay 4A North in 1996.

Designer/Builder: Henry Berry and Co. Leeds

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The crane has been disassembled into four components: the base, jib, winch mechanism and cab and have been stored outside for many years. The base, jib and winch mechanisms are all rusted with flaking paint. The cab is in very poor condition, with significant structural rust, loss of timber components and substantial loss of control mechanism components. While the base, jib and winch may be able to be restored to display condition, the cab is not.

Recommended Management:

As there are two identical examples of this type of crane, in similar condition, restore one example to display condition (except for the cab) and display outside within the ATP site. Following restoration, the other components may be archivally recorded and disposed of.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 209.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 207.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745209

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745208_209_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745208_209_1t.jpg



File: 4745208_209_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745208_209_2t.jpg

ATP S170 Register



File: 4745208_209_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745208_209_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 210	<i>Name:</i> Massey Flange Press	<i>Location:</i> Outside	
<i>Other ID nos</i>	1996 inventory no: 210.		

Description:

The Press consists of an upright chassis housing a drive mechanism and hydraulics with a motor driven flywheel and a set of four horizontal wheel support arms near the floor level. The chassis is 1240mm long, 830mm wide and stand 1460 mm high. The chassis is in two sections, comprising a hollow base 1330 high of cast iron or cast steel with a wall thickness of 40mm and a ferrous cap 160mm high. The machine itself is complex and each one of the parts of the machine consists of several items. The Flange Press was specifically designed to lock rims onto the wheel centre. It is believed a circlip was placed into a recess on the outer edge of the wheel and the edge of the rim was rolled over this circlip to retain it.

Significance:

The Massey Flange Press is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This Flange Press or Rim Press was originally located at Chullora Workshops and was transferred to Eveleigh in 1965. Its construction and mode of operation indicates that it was manufactured prior to World War I. In 1996 it was located in Bay 4A North

Designer/Builder: B & S Massey Ltd Manchester England

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The machine appears to be complete but has been stored outside for some time and is quite rusted. Probably restorable to display condition but not operational condition.

Recommended Management:

This item should be retained, restored to display condition and displayed in Bay 10 near the Wheel Lathe.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

ATP S170 Register

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 210.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 208.

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745210

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic



File: 4745210_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745210_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 211	<i>Name:</i> Fielding and Platt Wheel Press	<i>Location:</i> Outside	
<i>Markings</i>	'No 811 / NSWGR / Class PH' 'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'		
<i>Other ID nos</i>	1996 inventory no: 211.		

Description:

The Wheel Press consists of a massive vertical frame, the horizontal bars of which support a hydraulic ram and a massive cast steel retaining bar which held the axle of bogey assemblies, the wheels of which were to be removed or pressed on. The Wheel Press is almost 6 metres long by 3 metres high and about 1 metre wide. Its mass is estimated at 10 tonne. The Wheel Press was used to press newly tired wheels or new wheels onto axles. It was also used to remove wheels from axles for re-tiring or repair. The bogey assembly, or axle, was placed in grooves in the support mechanism and the wheel was pushed on or taken off by hydraulic pressure generated by the Wheel Press itself.

Significance:

The Wheel Press is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1917

The item was installed in the Wheel Press Shop in 1917. It has remained in that position and was used until about 1986. A new Wheel Press was located in Bay 9 of the Workshops and this press was used only on certain occasions. In 1996 this item was located in Bay 4A North.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The item has been stored outside for some years and is affected by rust, flaking paint and general weathering. Restorable to display condition.

Recommended Management:

This item should be retained, restored to display condition and displayed in Bay 10 near the Wheel Lathe.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

ATP S170 Register

- ¹ Reference: 211.
- ² Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 209.

Listings:


- ¹ *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745211
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 23 Aug 2008 *Status:* Basic



File: 4745211.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745211t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 212	<i>Name:</i> Berry hydraulic pipe bender	<i>Location:</i> Outside	
<i>Markings</i>	1) 'HENRY BERRY & Co. Ltd / LEEDS'		
<i>Other ID nos</i>	1996 inventory no: 212.		

Description:

The Hydraulic Pipe Bender consists of a massive cast-iron bed with a hydraulic ram which is fitted with a return valve. There are two large rotating mandrels, dies in which the pipe is pressed. The item was operated by the plumbers and coppersmiths. A pipe to be bent was placed between the dies and a specially shaped mandrel. In some cases the mandrel was made from a block of oregon timber. The hydraulic was allowed into the ram by means of a lever and the mandrel moved onto the pipe which was supported against the dies and was bent through the desired angle. The bent pipes were used for a wide variety of functions throughout the workshop. Approximately 2000 x 2000 x 900mm.

Significance:

The Hydraulic Pipe Bender is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item contributes to understanding and interpretation of the overall Eveleigh Locomotive Workshops site, but is not specific to railway manufacturing.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The pipe bender was made by Henry Berry & Co Ltd of Leeds, England, but no other historical information available. It was located in Bay 4A North in 1996.

Designer/Builder: Henry Berry & Co Ltd Leeds

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The item has been stored outside and is affected by surface rust and flaking paint. Restorable to display condition.

Recommended Management:

This item may be retained, restored to display condition and displayed in Bay 10 North. Transfer to another institutional collection is also acceptable.

If retained, this item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

ATP S170 Register

- 1 Reference: 212.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 210.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745212
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745212_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745212_1t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 213	Hydraulic press (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 213.

Description:

NA (disposed)

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 4N

Recommended Management:

Remove from list (disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 214	Air compressor - Atlas (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 214.

Description:

NA (disposed)

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 215	Air compressor Ingersoll (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 215.

Description:

NA (disposed)

Significance:

Not located, presumed disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 216	Thompson 90 degree V air compressor (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 216.

Description:

NA (disposed)

Significance:

Not located. This item is outside of the present ATP boundary and it is unknown as to whether it is still in existence.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 217	Thompson 90 degree V air compressor (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 217.

Description:

NA (disposed)

Significance:

Not located. This item is outside of the present ATP boundary and it is unknown as to whether it is still in existence.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 218	<i>Name:</i> Stephenson 7 Tonne Loco Crane 1083	<i>Location:</i> 1N 8C	
<i>Markings</i>	'1083'		
<i>Other ID nos</i>	1996 inventory no: 218.		

Description:

The Locomotive Crane is a purpose-built crane. Like all locomotives it consists of a heavy chassis which supports the boiler, the cabin, the cylinders and the stack which is mounted on a special cowling. The chassis also supported, on very heavy steel brackets, a cylinder on which was mounted a turret, which in turn carried the crane jib. The crane jib itself was some 6 metres long with a rear extension of about 1.5 metres which supported the 3 tonne balance weight. The loco is an 0-4-0. The total weight of the item when in steam was about 40 tonnes. The power pack consisted of two standard cylinders horizontally mounted which were 14 inches (350mm) diameter with a 20 inch (500mm) stroke. The heating surface for the boiler tubes was 557 square feet (51 m²) in total while the fire box had a total heating surface of 54 square feet (5m²) with a grate area of 9.5 square feet. When the locomotive was being moved, the crane jib rested on the heavy smoke stack. In this position the lower chord of the jib was horizontal. The jib itself was about 12 feet (3.8 metres) above rail height. The jib was raised and lowered by a steam or hydraulic ram, the piston for which was located in the centre of the turret. This piston was connected to a shaft which itself was direct coupled to a bracket attached to the after end of the jib. A pivot point was located about 600mm in front of the centre line of the shaft. The travel of the shaft appears to be about 500mm which means that the 7 tonne hook could be raised through a distance of about 1.2 metres. The 3.5 tonne hook could be raised to about twice that distance. Slewing was powered through a small twin cylinder steam engine mounted on a bracket at the front of the turret. This was coupled to a worm gear which operated a small, vertically mounted cog which was in constant mesh with a second gear wheel which was attached to the outer surface of the turret. It would appear that the slewing drive would have been extremely slow. The cab of the loco crane is extremely small. The amount of coal which could be carried was given as 11cwt (5 tonne). However, this has been disputed and the weight carried is thought to be less than 5cwt. The ability to carry large quantities of coal was not important as the engine could be frequently topped up at almost any point in the workshop. As with all other locomotives on the SRA, this one was operated by a driver who also had a crane ticket, plus the fireman. The number of components which are original and bear the original number is very high for a steam locomotive. The number borne by most of the components is 7543, which is the builder's number for the original engine. This number is evident on much of the running gear. The number is also evident on the wheel boxes. It should also be noted that the boiler in this loco is X1067A, which means that this was the second new boiler constructed for crane locomotive 1067 which was relocated when it was overhauled into this locomotive. (GML 1996)

Significance:

The crane is a rare and representative example of a steam powered locomotive crane. Put into service in 1950 immediately prior to the demise of steam power on the New South Wales rail system, it was one of the last two locomotive cranes imported into New South Wales. It is indicative of the work which was carried out in the workshops in the immediate post war period.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1950

The small 10 Class locomotive crane was manufactured by Robert Stephenson and Hawthorne Ltd of Darlington and Newcastle-on-Tyne, England. It entered service in February 1950 and was one of the last two to be imported by the State Rail Authority. It was classified as a 7 tonne loco crane and was designated a yard crane. Basically there were two types of cranes used on the New South Wales rail system. The first was the 'accident crane' which was a mobile steam crane constructed on its own chassis and wheels, with its own dedicated boiler. The accident crane was pushed or towed to the site of the accident and was used to raise capsized locomotive or rolling stock, placed them back on the rails or onto flat cars. These cranes, some of which had a maximum lifting capacity of 120 tonne, were usually supplied with a vertical boiler and had slewing, jibbing and hoisting capabilities. The accident cranes were generally purpose-built, designed for specific loads and were distributed throughout the network. The first of these cranes was imported in 1886. The second type of crane was the steam locomotive crane or yard crane as it was sometimes known. These were classified in 1924 into the X10 Class (miscellaneous stock) and were normally side tank locos with a limited coal supply held in extensions to the side water tanks. The purpose of the engine was to move around the yard to points where they were required where they could lift items such as kibble bins, place them on flat cars or simply lift items for relocating around the workshop. These loco cranes were particularly good at moving in tight areas and they could also tow or push a flat car around and lift and deposit items on them. Unlike the accident cranes, which were normally fitted with stabilising bars, the loco crane relied on its distribution of weight to perform its task.

ATP S170 Register

Designer/Builder: Robert Stephenson and Hawthorne Ltd

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall, the Stephenson loco crane is in an excellent condition having been restored in the late 1990s. There are, however, minor patches of active corrosion in the cabin, on the crane gantry and some hooks.

Recommended Management:

Retain the item in its present location as a display item.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 218.
 - 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 216.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745218
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 23 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745218_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745218_1t.jpg



File: 4745218_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745218_2t.jpg

ATP S170 Register



File: 4745218_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_3t.jpg



File: 4745218_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_4t.jpg

ATP S170 Register



File: 4745218_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_5t.jpg



File: 4745218_6.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_6t.jpg

ATP S170 Register



File: 4745218_7.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_7t.jpg



File: 4745218_8.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_8t.jpg

ATP S170 Register



File: 4745218_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_1t.jpg



File: 4745218_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_2t.jpg

ATP S170 Register



File: 4745218_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_3t.jpg



File: 4745218_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_4t.jpg

ATP S170 Register



File: 4745218_5.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745218_5t.jpg



File: 4745218_6.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745218_6t.jpg

ATP S170 Register



File: 4745218_7.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_7t.jpg



File: 4745218_8.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745218_8t.jpg

ATP S170 Register

SHI No.: 4745 219	Name: Craven Crane Name Plates	Location: 3N Level 3	
Markings	'CRAVEN BROTHERS / LTD // MANCHESTER // 20 TONS / 1907' (oval plate, S). 'CRAVEN BROTHERS / LTD // MANCHESTER // 20 TONS / 1907' (oval plate, S).		
Other ID nos	1996 inventory no: 219.		

Description:

Two ovoid name plates from a 20-ton Craven Bros crane. Painted yellow and black, mounted in a timber frame.
(Note: only one plate was available for inspection.)

Significance:

Item retained from an overhead travelling crane which was removed from the Loco Workshops and disposed of circa 2004. The item primarily has interpretive value.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1907

The plates are the only element of a 20-ton overhead travelling crane which was disposed of circa 2004. The crane was originally manufactured by Craven Bros in 1907.

Designer/Builder: Craven Bros Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

The name plates have been recently restored and are in excellent condition.

Further Information:

This number originally referred to all overhead cranes from Bay 6-15.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 315.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 219.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745219

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745219_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745219_1t.jpg



File: 4745219_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745219_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 221	<i>Name:</i> Vaughan Overhead Travelling Crane L17	<i>Location:</i> 7N 8C	
<i>Markings</i>	'VAUGHAN & SONS Ld . 5 TONS . MANCHESTER' // 'L17' (on crane cab) 'MELBOURNE CUP / 19.7.79'		

Description:

Cast-iron riveted twin-beam overhead travelling crane with lattice girders spanning Bay 7. It has an upper carriage to hold the cable and motor for the hoist. A driver's cabin (with curtain intact) is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 3m wide.

Significance:

This Vaughan Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This crane was manufactured by Vaughan & Sons Ltd of Manchester, England, in the early 20th century. It was electrically powered when installed (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Vaughan & Sons Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L17 is in good condition despite some surface corrosion.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 318.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745221

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745221_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745221_1t.jpg



File: 4745221_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745221_2t.jpg

ATP S170 Register



File: 4745221_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745221_3t.jpg



File: 4745221_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745221_4t.jpg

ATP S170 Register



File: 4745221_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745221_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 222	<i>Name:</i> Vaughan Overhead Travelling Crane L20	<i>Location:</i> 14S 2C	
<i>Markings</i>	'VAUGHAN & SONS Ld 5 TONS MANCHESTER' // 'L20' (on crane cab)		

Description:

Cast-iron riveted twin-beam overhead travelling crane with lattice girders spanning Bay 14. It has an upper carriage to hold the cable and motor for the hoist. A driver's cabin (with curtain intact) is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 3.1m wide.

Significance:

This Vaughan Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This crane was manufactured by Vaughan & Sons Ltd of Manchester, England, in the early 20th century. It was electrically powered when installed (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Vaughan & Sons Ltd

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the Crane L20 is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 463.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745222

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745222_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745222_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 223	<i>Name:</i> Hoist	<i>Location:</i> 14S 8W	

Description:

This small wall crane consists of a jib made from a cast, double-sided rail or I-beam (5.5m long, 8cm wide) with an upturned tip and a rod of steel for the main brace. The crane is stayed against the southern-most columns in area 10 of Bay 11 and overhangs the span between the two columns. The brace is fitted to the top of the column. A small triangular, 3-wheel pulley carriage is in situ on the track. Painted silver.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

Column-mounted hoists of this style are visible in some of the earliest photographs of the workshop and are likely to have been installed when the workshops opened in 1887. They were probably cast in the Eveleigh foundry.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 465.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745223

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745223_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745223_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 224	<i>Name:</i> Hoist	<i>Location:</i> 14S 10W	
<i>Markings</i>	'Class 1 / LG 539 / SWL5CWT'		

Description:

This small wall crane consists of a jib made from a cast, double-sided rail or I-beam (5.7m long, 8cm wide) with an upturned tip and a rod of steel for the main brace. The crane is stayed against the southern-most columns in area 10 of Bay 14 which is marked 'Class 1 / LG 539 / SWL5CWT'. Unlike the other hoists of this type, the brace is not fitted to the top of the column. An additional guard has been fitted to the beam and the whole hoist is tied back with cable tie.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

Column-mounted hoists of this style are visible in some of the earliest photographs of the workshop and are likely to have been installed when the workshops opened in 1887. They were probably cast in the Eveleigh foundry.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 464.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745224

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745224_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745224_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 225	<i>Name:</i> Hoist	<i>Location:</i> 14N 11E	
<i>Markings</i>	'AIS KEMBLA 5 x 6'		

Description:

This small wall crane consists of a jib made from an AIS steel beam (7.4m long) and a steel plate for the main brace. The crane is stayed against the southern-most cast iron columns in area 11 between Bays 14 and 13. A wire guide has been fitted along the main beam. Silver painted.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was probably built on site. The beam was supplied by the Port Kembla works of Australian Iron & Steel Limited (AIS) which was formed in 1928.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 466.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745225

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745225_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745225_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 226	<i>Name:</i> Height-setting Table	<i>Location:</i> 1N 9W	
<i>Other ID nos</i>	1996 inventory no: 205b.		

Description:

Custom-made table with thick timber legs, a sloping bench with a metal setting-out surface and timber and metal strap bracing on the sides. The timber is painted grey and measures 153cm (L) x 92cm (W) x 74cm (H). A swage block, fitted to a timber block, accompanies the table.

Significance:

This furnace is an important component of the Spring Shop assemblage and is as one of the few surviving examples of auxiliary equipment installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this table is unknown but is most likely to have been shop built and is believed to have been manufactured prior to WWI (GML 1996). It may have been constructed as early as 1901 when the Spring Shop was established east of Bay 1. The table was used by the Spring Shop fitter for setting out springs. Relocated to its present location in the 1990s.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the table is in sound condition, although one shelf is missing. The bench top bears minor surface corrosion .

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 218.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 205b.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745226

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745226_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745226_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 227	<i>Name:</i> Height-setting Table and Swage Block	<i>Location:</i> 1N 9W	
<i>Other ID nos</i>	1996 inventory no: 205c.		

Description:

Custom-made table with thick timber legs, and open shelf and a sloping bench with a metal setting-out surface. The timber is painted grey and measures 153cm (L) x 92cm (W) x 74cm (H). A swage block, fitted to a timber block, accompanies the table.

Significance:

This table is an important component of the Spring Shop assemblage and is as one of the few surviving examples of auxiliary equipment installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this table is unknown but is most likely to have been shop built and is believed to have been manufactured prior to WWI (GML 1996). It may have been constructed as early as 1901 when the Spring Shop was established east of Bay 1. The table was used by the Spring Shop fitter for setting out springs. Relocated to its present location in the 1990s.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the table is in sound condition. The bench top bears minor surface corrosion .

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 219.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 205c.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745227

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register




File: 4745227_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745227_1t.jpg



File: 4745227_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745227_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 228	<i>Name:</i> Rack of tools between columns (Rack M)	<i>Location:</i> 1N 9W	
<i>Other ID nos</i>	1996 inventory no: 34m.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps. The south side of the rack has been cut away (presumably to accommodate the fuse box). Altogether the rack holds 1 pincers, 2 swage blocks, 6 miscellaneous items.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34m.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 326.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745228

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register




File: 4745228_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745228_1t.jpg



File: 4745228_1.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745228_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 229	<i>Name:</i> Timber crate with tools	<i>Location:</i> 1N 9W	

Description:

Dovetail timber box with miscellaneous pipe springs and a lamp (unbolted from a machine). It measures 65cm (L) x 45cm (W) x 50cm (H).

Significance:

This crate is typical of shop-built those used throughout the Workshops to store equipment and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the crate is sound, although the timber displays some signs of decay.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 437.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745229

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745229_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745229_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 230	<i>Name:</i> Rack of tools between columns (Rack N)	<i>Location:</i> 1N 10W	
<i>Other ID nos</i>	1996 inventory no: 34n.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps. Altogether the rack holds 7 pincers, 12 swage blocks, 5 hammer blocks and 4 miscellaneous items.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34n.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 327.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745230

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745230_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745230_1t.jpg



File: 4745230_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745230_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 231	<i>Name:</i> Lockers	<i>Location:</i> 1N 10W	

Description:

Set of three blue lockers with sloping roof and T-bar locks. The lockers currently hold paperwork (including a 1988 diary), witches hats and other miscellaneous items. They measure 135cm (L) x 48cm (W) x 230cm (H).

Significance:

These lockers are one of the surviving examples of auxiliary equipment installed in the locomotive workshops in the early 20th century. They are important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance:

Endorsed Significance: Local

Historical Notes:

The specific history of these lockers is unknown, but they have probably been in use in some part of the workshops since the early 20th century. Lockers of this style appear in photographs of Bay 2 north thought to date to the 1920s (State Records B28314).

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the lockers are in poor condition. The doors are badly buckled and one of the floor plates is heavily corroded.

Recommended Management:

Archivally record and dispose.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 438.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745231

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic

ATP S170 Register



File: 4745231_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745231_1t.jpg

ATP S170 Register

SHI No.: 4745 232	Name: Pile of large work-in-progress billet	Location: 1N 10E	

Description:

Collection of 29 large semi-worked and unworked billets, some up to 1m long and 30cm wide.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this collection is unknown but it is assumed that they were among the last items which were forged on the Davy Press.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the collection of unfinished billet is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 439.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745232

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008


Status: Basic

ATP S170 Register



File: 4745232_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745232_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 233	<i>Name:</i> Hand Trolley	<i>Location:</i> 1N 10W	
<i>Markings</i>	'NSWTD // NSWP FC'		
<i>Other ID nos</i>	ATP537.		

Description:

Two wheel standing timber trolley with metal brackets. There are two rest points near the handle and bars at the base for lifting.

Significance:

This trolley is typical of small shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This trolley was made in the workshops and one of many used to transport materials and equipment around the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the trolley is in sound condition, although the timber is worn with use.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 440.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745233

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745233_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745233_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 234	<i>Name:</i> Anvil	<i>Location:</i> 1N 10W	
------------------------------------	------------------------------	-----------------------------------	---

Description:

Anvil set in cast-iron base, measures 100cm (L) x 38cm (W) x 48cm (H).

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops and evidences the versatility of the workshops in the manufacture of tools.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This is one of several anvils used in the blacksmith's shop throughout all the years of its operation. It was probably cast in-house.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the anvil is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 441.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745234

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745234_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745234_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 235	<i>Name:</i> Collection of Davy Press tools	<i>Location:</i> 1N 11E	
<i>Other ID nos</i>	1996 inventory no: 9b. ATP505.		

Description:

Pile of 12 hand-held tongs, a furnace rake and hoe (5 items), and assorted scrap metal pieces up to 6 m long.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work and maintenance practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these tools is unknown but it is believed that they have been associated with the operations of the Davy Press since 1926. The hand-held tongs were used to hold the material being pressed. The furnace rakes and hoe were used to clear out millscale from the furnace after the heating of various items.

Designer/Builder: Unknown

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the holder is in sound condition. It bears minor surface corrosion and is covered in dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 9b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 10.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745235

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register




File: 4745235_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745235_1t.jpg



File: 4745235_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745235_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 236	<i>Name:</i> Rack of tools between columns (Rack O)	<i>Location:</i> 1N 11W	
<i>Other ID nos</i>	1996 inventory no: 34o.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps and several hooks. Altogether the rack holds 2 templates, 8 hammers and other miscellaneous tools and items. A timber door is attached to the north side with wires.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34o.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 328.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745236

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register




File: 4745236_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745236_1t.jpg



File: 4745236_1.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745236_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 237	<i>Name:</i> Quenching Tank	<i>Location:</i> 1N 11W	

Description:

Cast-iron quenching tank measuring 110cm (L) x 48cm (W) x 45cm (H).

Significance:

This tank is representative of the quenching tanks which were located alongside each forge in the steam hammer shop. It demonstrates the skills of the workers on site and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown. It was probably cast on site.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the quenching tank is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 442.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745237

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745237_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745237_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 238	<i>Name:</i> Rack of tools between columns (Rack P)	<i>Location:</i> 1N 12W	
<i>Other ID nos</i>	1996 inventory no: 34p.		

Description:

Six-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are eight double straps and two upright supports. The south side of the rack has been cut away. Altogether the rack holds 5 swage blocks and crane slings.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34p.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 329.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745238

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register




File: 4745238_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745238_1t.jpg



File: 4745238_1.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745238_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 239	<i>Name:</i> Work table with clamping mechanism	<i>Location:</i> 1N 12E	
<i>Other ID nos</i> ATP530.			

Description:

Open timber box with cast-iron top and tiered plate clamp. A metal rail, dies and other miscellaneous items are currently stored on top of the table. It measures 92cm (L) x 90cm (W) x 80cm (H).

Significance:

This workbench is representative of the work benches which were located throughout the workshops. It demonstrates the skills of the workers on site and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown but it is likely to be shop-built.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the table is in poor condition and shows evidence of white-ant damage.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 436.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745239

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745239_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745239_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 240	<i>Name:</i> Furnace	<i>Location:</i> 1N 12W	
<i>Markings</i>	'Honeywell'		
<i>Other ID nos</i>	ATP534. SRA8667.		

Description:

Small gas-fired furnace similar to item no. 198. It has a Honeywell temperature control system and a lever door operated by foot pedal. It measures 105cm (L) x 77cm (W) x 200cm (H).

Significance:

This item is typical of the shop-built furnaces made in the last decades of operation at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 443.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745240

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745240_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745240_1t.jpg



File: 4745240_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745240_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 241	<i>Name:</i> Two Pope motors	<i>Location:</i> 1N 12E	
<i>Markings</i>	'Pope motor'		

Description:

Two small belt-driven motors made by Pope Australia. Both are attached to plates and each measures 75cm (L) x 60cm (W) x 45cm (H).

Significance:

These motors are typical of those used to power machinery throughout the workshops following the transition from steam power. There is no evidence for their association with any particular machine. They are recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of this item is unknown.

Designer/Builder: Pope Electric Motors

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the two pope motors are in sound condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 444.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745241_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745241_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 242	<i>Name:</i> Pile of swages and work-in-progress	<i>Location:</i> 1N 12E	
<i>Other ID nos</i>	ATP513, 511.		

Description:

Collection of swages, dies, lock pins, parts for billet holders, large unfinished billet and a pallet of at least 50 smaller items including parts of a crane pulley. This appears to comprise a collation of former item numbers 12 and 13. Tags for ATP numbers 511 and 513 are amongst the pile.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this collection is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the items are in sound condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 445.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745242

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008


Status: Basic

ATP S170 Register



File: 4745242_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745242_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 243	<i>Name:</i> Metal Work Table for Davy Press	<i>Location:</i> 1N 13E	
<i>Other ID nos</i>	1996 inventory no: 24b.		

Description:

Small metal tables comprised of a thick metal plate bolted to four steel-plate legs with outward splays. The table measures 85cm (L) x 85cm (W) x 75cm (H).

Significance:

The item is an integral part of the Davy Press assemblage and assists in illustrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the table is unknown, but it was probably built in-house. It was most recently used in association with the Davy Press. This and other tables were sturdy yet light enough to be moved manually around the workshops to temporarily place hot metal while the grips of the large holders were attached to them.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the table is in sound condition despite being worn from use and bearing some surface corrosion.

Recommended Management:

This item should be retained, near the Davy Press.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 24b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 220.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745243

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008


Status: Basic

ATP S170 Register



File: 4745243.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745243t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 244	<i>Name:</i> Metal Work Table for Davy Press	<i>Location:</i> 1N 13E	
<i>Other ID nos</i>	1996 inventory no: 24c.		

Description:

Small metal tables comprised of a thick metal plate with bevelled corners bolted to four steel-plate legs with outward splays. The table measures 100cm (L) x 75cm (W) x 60cm (H).

Significance:

The item is an integral part of the Davy Press assemblage and assists in illustrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the table is unknown, but it was probably built in-house. It was most recently used in association with the Davy Press. This and other tables were sturdy yet light enough to be moved manually around the workshops to temporarily place hot metal while the grips of the large holders were attached to them.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the table is in sound condition despite being worn from use and bearing some surface corrosion. One leg is missing a foot and the bolts on top of the table are warped.

Recommended Management:

This item should be retained, near the Davy Press.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 24c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 221.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745244

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745244.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745244t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 245	<i>Name:</i> Metal Work Table for Davy Press	<i>Location:</i> 1N 13E	
<i>Other ID nos</i>	1996 inventory no: 24d.		

Description:

Small metal tables comprised of a thick metal plate bolted to six steel-plate legs with outward splays. Unlike the other Davy Press tables, the bolts have been concealed beneath the table top. The table measures 100cm (L) x 75cm (W) x 60cm (H).

Significance:

The item is an integral part of the Davy Press assemblage and assists in illustrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the table is unknown, but it was probably built in-house. It was most recently used in association with the Davy Press. This and other tables were sturdy yet light enough to be moved manually around the workshops to temporarily place hot metal while the grips of the large holders were attached to them.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Overall the table is in sound condition despite being worn from use and bearing some surface corrosion. It is currently being used to hold various tools including pipe work from the adjacent furnaces.

Recommended Management:

This item should be retained, near the Davy Press.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Remove unassociated items

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 24d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 222.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745245


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745245.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745245t.jpg

ATP S170 Register

SHI No.: 4745 246	Name: Metal Work Table for Davy Press	Location: 1N 13E	
Other ID nos	1996 inventory no: 24e.		

Description:

Small two-tier shelf comprised of two ferrous metal plate welded to four steel-plate legs with outward splays. A number of tools are currently stored on both shelves. The table measures 100cm (L) x 75cm (W) x 60cm (H).

Significance:

The item is an integral part of the Davy Press assemblage and assists in illustrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the table and shelf is unknown, but it was probably built in-house. It was most recently used in association with the Davy Press. This and the other tables were sturdy yet light enough to be moved manually around the workshops to temporarily place hot metal while the grips of the large holders were attached to them.

Current Use: Display

Former Uses: Workshop bench

Physical Condition:

Recommended Management:

This item should be retained, near the Davy Press.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 24e.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 223.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745246

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745246.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745246t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 247	<i>Name:</i> Balanced Billet Holder B	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5b.		

Description:

Cast iron rod, 550cm long with a deep hollow cylindrical holding device at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 300.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745247

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register




File: 4745247_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745247_1t.jpg



File: 4745247_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745247_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 248	<i>Name:</i> Balanced Billet Holder C	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5c.		

Description:

Cast iron rod, 680cm long with a shallow, hollow cylindrical holding device at one end and rotation handles for manipulation fastened about the centre. The shaft measures 20cm in diameter.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition, although some cracks are evident in some of the clamps. It also bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 301.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745248

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register




File: 4745248_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745248_1t.jpg



File: 4745248_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745248_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 249	<i>Name:</i> Balanced Billet Holder D	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5d.		

Description:

Cast iron rod, 470cm long with a square-section clamp at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 302.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745249

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register



File: 4745249_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745249_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 250	<i>Name:</i> Balanced Billet Holder E	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5e.		

Description:

Cast iron rod, 450cm long with a square-section clamp at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5e.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 303.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745250

Data Entry: *Date First Entered:* 8 Feb 2008

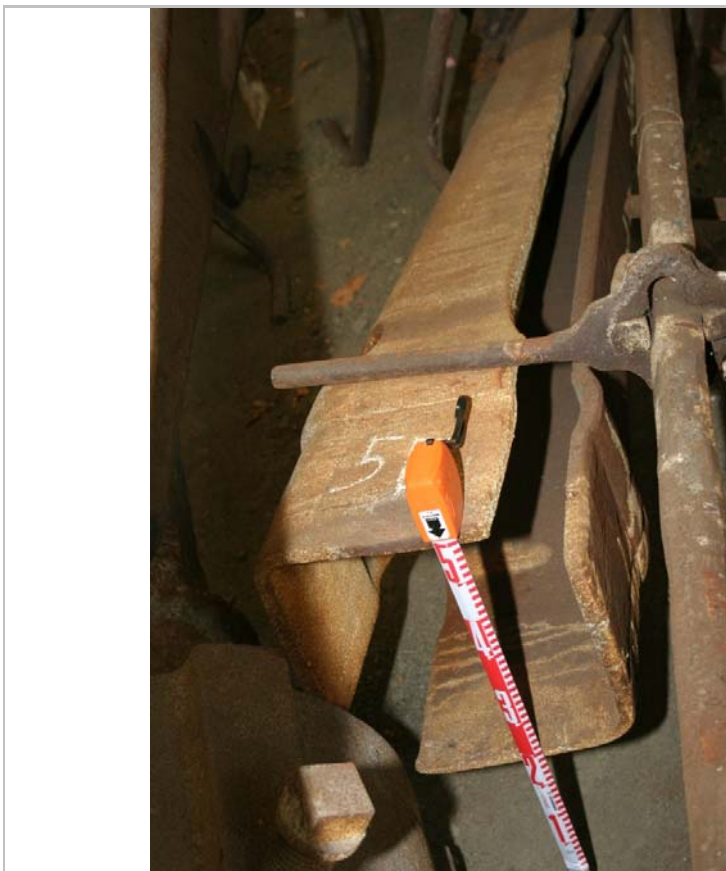
Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register




File: 4745250_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745250_1t.jpg



File: 4745250_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745250_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 251	<i>Name:</i> Balanced Billet Holder F	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5f.		

Description:

Cast iron rod, 520cm long with a square-section clamp at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5f.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 304.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745251

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register




File: 4745251_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745251_1t.jpg



File: 4745251_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745251_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 252	<i>Name:</i> Balanced Billet Holder Stand P	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5p.		

Description:

A small A-frame stand with upturned hooks which currently hold a set of rings. The stand measures 120cm (L) x 70cm (W) x 120cm (H).

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

The specific history of this stand is unknown but It is believed that most of the billet holders were introduced when the Davy Press was installed, and this stand may have been too. Some of them were possibly made in response to later requirements (GML 1996). Billet holders were rested on this stand during the operation of the Davy Press.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5p.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 305.

Listings:

- 1 *Heritage Act - s. 170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745252

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register



File: 4745252_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745252_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 253	<i>Name:</i> Balanced Billet Holder H	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5h.		

Description:

Cast iron rod, 550cm long with a square-section clamp at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5h.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 306.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745253

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745253_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745253_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 254	<i>Name:</i> Balanced Billet Holder G	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5g.		

Description:

Cast iron rod, 480cm long with a square-section clamp at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5g.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 307.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745254

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745254_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745254_1t.jpg



File: 4745254_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745254_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 255	<i>Name:</i> Balanced Billet Holder J	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5j.		

Description:

Cast iron rod, 480cm long with a special tool at one end (a flat paddle with four holes) and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5j.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 308.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745255

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008


Status: Basic

ATP S170 Register



File: 4745255_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745255_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 256	<i>Name:</i> Balanced Billet Holder K	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5k.		

Description:

Cast iron rod, 550cm long with a special tool at one end (an adjustable twin flat plate clamp) and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5k.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 309.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745256

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008


Status: Basic

ATP S170 Register



File: 4745256_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745256_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 257	<i>Name:</i> Balanced Billet Holder L	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5l.		

Description:

Cast iron rod, 510cm long with a special tool at one end (an adjustable twin flat plate clamp) and rotation handles for manipulation fastened about the centre. The plates are square, measuring 51 x 55 cm and 12cm apart. The rod is 10cm in diameter and square section.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5l.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 310.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745257

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register




File: 4745257_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745257_1t.jpg



File: 4745257_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745257_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 258	<i>Name:</i> Balanced Billet Holder M	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5m.		

Description:

Cast iron rod, 510cm long with a special tool at one end (a twin tined fork) and rotation handles for manipulation fastened about the centre. The fork head measures 50 x 75 cm. The rod is 8cm in diameter.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5m.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 311.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745258

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register



File: 4745258_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745258_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 259	<i>Name:</i> Balanced Billet Holder N	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5n.		

Description:

Cast iron rod, 510cm long with a special tool at one end (a wedge spade) and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5n.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 312.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745259

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register



File: 4745259_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745259_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 260	<i>Name:</i> Balanced Billet Holder O	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5o.		

Description:

Cast iron rod, 600cm long with a square-section clamp at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

The billet holder is currently disassembled and stored in a pile of other Davy Press tools (see item 9b). It also bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5o.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 313.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745260

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008


Status: Basic

ATP S170 Register



File: 4745260_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745260_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 261	<i>Name:</i> Balanced Billet Holder I	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5i.		

Description:

Cast iron rod, 450cm long with a square-section clamp at one end and rotation handles for manipulation fastened about the centre.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5i.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 314.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745261

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register



File: 4745261_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745261_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 262	<i>Name:</i> Rack of tools between columns (Rack Q)	<i>Location:</i> 1N 13W	
<i>Markings</i>	'3.0.14202.2.off.D57'		
<i>Other ID nos</i>	1996 inventory no: 34q.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps. A large frame marked '3.0.14202.2.off.D57' is suspended from two brackets on 34R. No other tools are visible.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34q.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 330.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745262

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745262_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745262_1t.jpg



File: 4745262_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745262_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 263	<i>Name:</i> Collection of light fittings	<i>Location:</i> 1N 13W	
<i>Markings</i> '3M-9'			

Description:

Collection of 26 green lamp shades and two upper brackets. The shades are made from sheet iron pressed into two types of dome shapes with an enamelled green exterior and white interior. 22 of the shades are globular and 72cm in diameters. Three are waisted (in the same style as those hanging in Bay 2N) and measure 65cm in diameter. The shade is held by a four-part cast-iron bracket which holds an 8cm diameter porcelain insulator. '3M-9' is cast on one of the upper bracket clamps. One of the lamps has a globe and two are attached to wall brackets.

Significance:

These light fittings comprise a relatively small percentage of surviving lamps installed in the early 20th century. They were salvaged from the workshops in the 1990s during renovation works but many more lights remain in situ in Bays 1 and 2. There is little prospect of the lights being reinstalled within the Workshops and they are recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

These are believed to be a selection of the original light fittings installed in the workshops in early 20th century. They were removed from various bays in the workshops during the redevelopment works in the 1990s. More than 50 lights were stockpiled within a fenced area to the southwest of the Locomotive Workshops in 2002 (Cserhalmi 2002: 252) and later relocated to Bay 1N.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The collection includes several lamps in fair to sound condition and some in a poor condition. All lamps bear superficial corrosion to their brackets and shades and some bear structural corrosion. At least one insulator is broken.

Recommended Management:

Archivally record and dispose.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 332.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745263_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745263_1t.jpg



domed style

File: 4745263_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745263_2t.jpg

ATP S170 Register



waisted style

File: 4745263_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745263_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 264	<i>Name:</i> Cabin for 16 ton crane L5	<i>Location:</i> 1N 13-14W	
<i>Markings</i>	'Queens / Head / Australia / [image of Queen Victoria]' // '5'		

Description:

Control cabin with timber floor and sheet metal walls. It contains three large electrical switches, control board and fuse box.

Significance:

This cabin belongs to the Craven Overhead Travelling Crane, which is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. While the changes to the building do not allow its reinstallation, it has potential to interpret the historic operation of the cranes.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1884-1888

This crane was manufactured by Craven Bros Ltd of Manchester, England, in 1884 and was installed in Bay 3 in 1888 (GML 1996). It was one of the first cranes installed in the workshops. It was originally steam powered and converted to electricity in the early 20th century. Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears. The crane was relocated to Bay 4 in the mid-2000s, and the cabin was removed and placed in storage in Bay 1 north.

Designer/Builder: Craven Brothers

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the cabin is in good condition and appears to retain all its key components.

Recommended Management:

Relocate to Bay 3 corridor (or other location) for interpretive purposes or may be considered for disposal.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 435.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745264

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745264_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745264_1t.jpg



File: 4745264_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745264_2t.jpg

ATP S170 Register



File: 4745264_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745264_3t.jpg



File: 4745264_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745264_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 265	<i>Name:</i> Unfinished Steam Hammer Shaft 2	<i>Location:</i> 1N 14E	
<i>Other ID nos</i>	1996 inventory no: 15b.		

Description:

A forged steam hammer shaft, 186cm long and 40cm wide. The head is 50cm in diameter and 18cm deep; the shaft is 28cm in diameter. It has a flattened piston head on one end and a flat area at the opposite end that would have served as the mounting area for a die.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This item is typical of the large objects which would have been manufactured within the site from steel billets. Its date is unknown most likely dates from the later phase of the operation of the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the shaft is in sound condition. It bears minor surface corrosion and surface dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 276.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 15b.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745265

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register



File: 4745265_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745265_1t.jpg



File: 4745265_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745265_2t.jpg

ATP S170 Register



File: 4745265_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745265_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 266	<i>Name:</i> Unfinished Steam Hammer Shaft 3	<i>Location:</i> 1N 14E	
<i>Other ID nos</i> 1996 inventory no: 15c.			

Description:

A forged and partially machined steam hammer shaft with one flat end, and measuring 255cm long and 50cm wide. The head is 50cm in diameter and 17cm deep; the shaft is 18cm in diameter.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This item is typical of the large objects which would have been manufactured within the site from steel billets. Its date is unknown most likely dates from the later phase of the operation of the workshops.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the shaft is in sound condition. It bears minor surface corrosion and surface dust.

Further Information:

Wire sling wrapped around the shaft for lifting - later element, not significant.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 277.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 15c.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745266

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745266_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745266_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 267	<i>Name:</i> Rack of tools between columns (Rack R)	<i>Location:</i> 1N 14W	
<i>Markings</i>	'308'		
<i>Other ID nos</i>	1996 inventory no: 34r.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four double straps. Altogether the rack holds 5 tools and hammers and a signage template for '308'.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34r.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 331.

Listings:

- 1 *Heritage Act - s. 170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745267

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



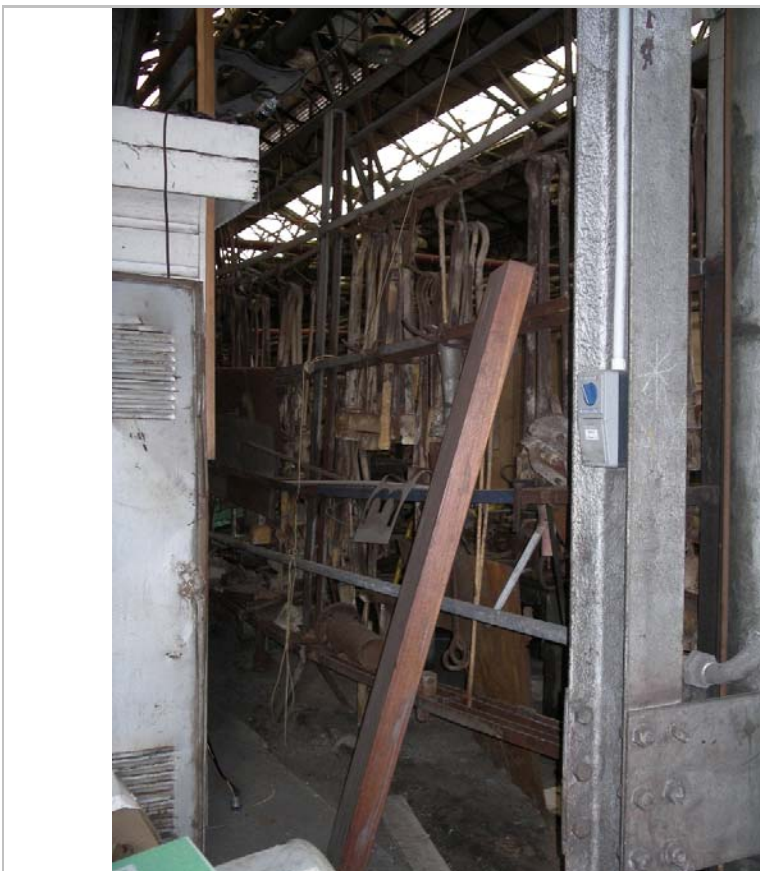
File: 4745267_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745267_1t.jpg



File: 4745267_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745267_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 268	<i>Name:</i> Demountable timber office	<i>Location:</i> 1N 14W	
<i>Markings</i>	'SUTHO'S OFFICE'		
<i>Other ID nos</i>	ATP528.		

Description:

Small, blue weatherboard structure with inspection windows along the eastern and southern faces. There are benches, shelves, a key cabinet and miscellaneous office furniture and files. The fluorescent lighting is still operational. 'SUTHO'S OFFICE' is painted above the door frame and small box (51x16x13cm) to hold 6 cups or rods is attached to the eastern face. It measures 400cm (L) x 205cm (W) x 340cm (H).

Significance:

This demountable building is the only surviving example of the many foreman and subforeman's offices located throughout the workshops. It assists in the understanding of the operation of the workshops, however its value is primarily interpretive.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the office is unknown, but it was likely to have been constructed in the mid- to late 20th century and operated as an office for the foreman or subforeman. It is visible behind the Churchill Grinder (3S 14W) in photographs of Bay 3 in 1999 and was in Bay 1 North by 1999.

Current Use: Display

Modification(s): Air-conditioning

Former Uses: Workshop Fixture

Physical Condition:

Overall the timber structure is in sound condition. Some of the painted surface bears minor deterioration.

Recommended Management:

Retain, relocate and use or dispose as required.

If the Davy Press area is interpreted, the demountable should be relocated to another area such as Bay 2 North, near column 15

Specific Recommendations:

- 1 Establish original location and date of construction

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 333.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745268

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register




File: 4745268_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745268_1t.jpg



File: 4745268_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745268_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 269	<i>Name:</i> Wrought iron beams	<i>Location:</i> 1N 14W	
<i>Markings</i>	'[D]ORMAN LONG & Co Ltd MBRO' // 'DKN ZO'		

Description:

Stack of 32 cast-iron, riveted girder beams up to 595cm long and 35x25cm in cross section. Some of the beams are marked 'Dorman Long & Co.'. Salvaged from various areas of the building in the mid-1990s.

Significance:

The beams were salvaged from the workshops in the 1990s during renovation works. It is unknown from which bays there were removed and many other beams remain in situ. They have little cultural significance, and if not useful for conservation works may be disposed of.

Assessed Significance:

Endorsed Significance:

Historical Notes:

These beams are believed to have been removed from various locations throughout the Eveleigh Workshops during renovations in 1996. Some were made by Dorman Long & Co. of England (established 1889), builders of the Sydney Harbour Bridge. Owing to their dislocation it is not possible to identify how many of these date to the original construction of the shops in 1887, or later additions and modifications. The beams were salvaged from various unrecorded locations around the workshops during the redevelopment in the 1990s.

Designer/Builder: Dorman Long & Co.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the beams are in sound condition. They bear minor surface corrosion.

Recommended Management:

The beams should be relocated out of Bays 1 and 2 and stored under cover.

The items may be reused or disposed of as required.

The items would be suitable for use as landscaping elements.

Specific Recommendations:

- 1 Investigate other uses; remove from Bay 1N

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 334.


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745269_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745269_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 270	<i>Name:</i> Southern Aurora Rail Trolley	<i>Location:</i> 1N 14E	
<i>Markings</i>	'SOUTHERN AURORA . 007' and 'BRISBANE UNITED . 007' (on sides). 'SYDNEY / XPT / DUBBO // NEVER MADE IT // 1887' and 'SYDNEY VIP XPT / SATELLITE // EUROPE YEAR // 2000' (on front and rear)		

Description:

Rail trolley with seven timber slabs bolted to a cast-iron base. Hand-painted signs appear on all sides of the trolley. It measures 370cm (L) x 185cm (W) x 75cm (H).

Significance:

This item has no known significance to the Eveleigh Locomotive Workshops collection. It was relocated to the ATP in c2000. It is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The trolley appears to have been used as a prop for New Year celebrations in 2000. Its prior history is unknown. In 2006 it was recorded as being stored at Chullora and recommended for disposal (McBeath 2006).

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the Southern Aurora Rail Trolley is in a sound condition, although the timber is decayed, it bears minor surface corrosion and is generally covered with grime and dust and bird droppings.

Recommended Management:

This item is recommended for disposal.

Specific Recommendations:

- 1 As per McBeath advice

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 366.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745270_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745270_1t.jpg



File: 4745270_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745270_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 271	<i>Name:</i> Safety Screen	<i>Location:</i> 1N 14-15E	

Description:

Scratch-built safety screen comprised of four sheet-metal plates (120 x 92cm) tack-welded to a steel-tube A-frame set into steel-plate feet. There is a wrought-iron triangular bar on the top of the screen for lifting. The screen is marked with graffiti, caricatures and calculations in large print (e.g. 300x9 @ 900). It measures 370cm (L) x 57cm (W) x 193cm (H).

Significance:

This item is typical of the shop-built guards made from scrap metal components to protect workers in the vicinity of operating machinery throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines and the changing nature of workplace safety practices in large-scale industry in the 20th century.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the screen is unknown, but it was probably shop-built.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the Safety Screen is in poor condition. It is heavily corroded. Only one plate is intact and the rest buckled and sprung off the frame.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Move to more appropriate location
- 2 investigate provenance

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 367.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745271

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745271_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745271_1t.jpg



File: 4745271_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745271_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 272	<i>Name:</i> Toolbox	<i>Location:</i> 1N 14E	

Description:

Galvanised steel toolbox with latch over key lock. The paper label has worn off. It contains a single glove, a black tin dust pan and a wooden brush. It measures 115cm (L) x 38cm (W) x 37cm (H).

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production in the decades prior to closure.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this toolbox is unknown but it appears to be a recent acquisition. The dust pan may be older, but its provenance to the workshops is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The Toolbox is in good condition, although is covered with grime and dust and bird droppings.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Consider for disposal: recent item. Consider retention of the dust pan should be retained.
- 2 investigate provenance

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 368.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745272

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745272_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745272_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 273	<i>Name:</i> Goulburn Per Way Workshops Plate	<i>Location:</i> 1N 14E	
<i>Markings</i>	'PER WAY WORKSHOPS / GOULBURN'		

Description:

Cast-iron plate with two positioning holes. It measures 80cm (L) x 25cm (W) x 5cm (H).

Significance:

This item is not provenanced to Eveleigh and is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The specific function of this item is unknown but it appears to have been manufactured by or for the 'Permanent Way Workshops' established in Goulburn in 1882. Its provenance to the Eveleigh Workshops is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the item is in sound condition. It bears some surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Consider for disposal
- 2 Investigate provenance to the site

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 369.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745273_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745273_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 274	<i>Name:</i> Door hinges	<i>Location:</i> 1N 14E	

Description:

14 large hinges, steel guard, furnace box, other miscellaneous tools.

Significance:

These items are salvaged building fabric and should be used as required to repair or reinstate missing door components as required. They have no significance in their own right.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The door hinges have been removed from bay doors during renovation works, but it is not known whether records of their original locations were retained. The hinges were relocated to Bay 1N after being stored outside for an unspecified period (McBeath 2006). The history of the items is unknown.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the items are in sound condition but display evidence of surface corrosion. The furnace box is buckled.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 move items to more appropriate location (e.g. store hinges, return furnace box to a furnace in Bay 2N)

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 370.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745274

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register




File: 4745274_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745274_1t.jpg



File: 4745274_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745274_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 275	<i>Name:</i> Lockers	<i>Location:</i> 1N 14W	
<i>Markings</i>	Obv: 'Abus / Discus / No. 24' Rev: 'Abus Lock Co. / Germany' (on padlock)		

Description:

Set of three blue lockers with sloping roof and T-bar locks. A round 'Abus Discus No. 24' steel padlock is in situ. The lockers are currently filled with miscellaneous paperwork and folders (most by State Transit Authority), wood carvings, paint tins and other items. The lockers measure 132cm (L) x 47cm (W) x 208cm (H).

Significance:

These lockers are later items in poor condition. Better examples are retained within the collection. This item is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The specific history of these lockers is unknown, but they have probably been in use in some part of the workshops since the early 20th century. Lockers of this style appear in photographs of Bay 2 north thought to date to the 1920s (State Records B28314).

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the Lockers are in sound condition for their age. The doors are buckled but appear to close.

Recommended Management:

Archivally record and dispose.

Specific Recommendations:

- 1 Consider relocating

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 374.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745275_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745275_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 276	<i>Name:</i> Safety Screen	<i>Location:</i> 1N 15E	

Description:

Scratch-built safety screen comprised of three sheet-metal plates (120 x 92cm) tack-welded to a steel-tube frame with single horizontal cross bar at rear. Two wrought-iron rounded hooks on the top of the screen for lifting. Square and rectangular holes have been punched through, possibly for holding tools.

Significance:

This item is typical of the shop-built guards made from scrap metal components to protect workers in the vicinity of operating machinery throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines and the changing nature of workplace safety practices in large-scale industry in the 20th century.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the screen is unknown, but it was probably shop-built.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the Safety Screen is in poor condition. It is heavily corroded and the tacks between sheets have come apart.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 371.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745276

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745276_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745276_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 277	<i>Name:</i> Pile of wheels, work in progress and tables	<i>Location:</i> 1N 15W	

Description:

A pile of approximately 50 items including unfinished work (probably from the Davy Press), carriage wheels, swage blocks, scrap metal, small tables, a concrete slab and timber brackets.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of these items is unknown, but this pile appears to have accumulated after 1996.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Many items appear to be in sound condition, but others are heavily corroded and misshapen and buckled. All bear minor surface corrosion and are covered in bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Sort out and relocate

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 372.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745277

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745277_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745277_1t.jpg



File: 4745277_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745277_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 278	<i>Name:</i> DC Rectifier	<i>Location:</i> 1N 15W	
<i>Markings</i>	'Standard Telephones / and Cables Pty Ltd. / Silicon Rectifier / Model 2 CD 600/200/1' 'RSA ASSET cont: 34510 May 1997' / 'RSA STOCKTAKE 87332 APR-98'		
<i>Other ID nos</i>	ATP1117.		

Description:

DC rectifier measuring 170cm (L) x 175cm (W) x 225cm (H).

Significance:

The DC rectifier was installed in Bay 1 circa 2000, with the intention of using it to power the overhead travelling crane. The item is not significant in its own right but is operationally important if DC power is ever required in this area.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The rectifier was introduced to Bay 1N in the late 1990s when it was hoped some of the other machinery would be made operational.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall the DC Rectifier is in a good, operational condition.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.
Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

ATP S170 Register

1

Listings:


- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745278
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745278_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745278_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 279	<i>Name:</i> Pile of tools and work-in-progress	<i>Location:</i> 1N 15E	

Description:

Collection of at least 20 miscellaneous items including: two spanners and ring spanners (one inscribed '1898 E Item 41'), a furnace cone, guard and other scrap metal. In addition, there are 12 door hinges.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this collection is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the collection is sound condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 434.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745279

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745279_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745279_1t.jpg



File: 4745279_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745279_2t.jpg

ATP S170 Register



File: 4745279_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745279_3t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 280	Stands of assorted dies (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 68d.

Description:

NA (disposed)

Significance:

Not located, This item has likely been relocated and renumbered within the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 1S

Recommended Management:

remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.: 4745 281	Name: Stands of assorted dies	Location: 1S 7E	
Other ID nos	1996 inventory no: 68c.		

Description:

3 level shelf built of heavy metal, containing approximately 80 dies, probably for the adjacent platen press.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the stand is unknown but it was probably shop built.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Items are in poor condition, covered in bird droppings, grime and dust.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 68c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 252.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745281

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745281.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745281t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 282	<i>Name:</i> Stands of assorted dies	<i>Location:</i> 1S 6E	
<i>Other ID nos</i>	1996 inventory no: 68b.		

Description:

3 level metal shelf with a lockable cabinet built in one end. Approximately 80 dies for Brett Punch. In occasional use.

Significance:

This stand and collection of dies is an important component of the Brett Punch assemblage and represents former manufacturing technologies now rarely evident in operating workshops. It is representative of auxiliary equipment used throughout the workshops and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Good, some dust and grime

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 68b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 253.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745282


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745282.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745282t.jpg

ATP S170 Register

SHI No.: 4745 283	Name: Stands of assorted dies	Location: 1S 7W	
Other ID nos 1996 inventory no: 68a.			

Description:

Bay 1 South between columns 7 and 8. 3 level angle iron shelf holding approximately 50 dies, possibly for Brett Punch or Woodbury Press. A variety of shapes, some in pairs.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the stand is unknown but it was probably shop built.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Good condition, some dust and grime.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 68a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 254.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745283

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745283.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745283t.jpg

ATP S170 Register

SHI No.: 4745 284	Name: Rack of assorted tools (Rack B)	Location: 1S 6W	
Other ID nos 1996 inventory no: 66b.			

Description:

This is one of a series of racks made variously from angled steel rod and bar which are placed throughout the bay. These racks support a variety of tongs, fullers, flatters and dies. They were all used in conjunction with either the electro-pneumatic hammers, the steam hammers or the olivers and hand forging operations. This is a portable vertical tool rack holding approximately 10 tongs of different sizes. It is presently located near a gantry crane in the middle of the bay and is in use.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

The item is in good/excellent operating condition.

The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 66c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 256.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745284

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745284.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745284t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 285	<i>Name:</i> Rack of assorted tools (Rack C)	<i>Location:</i> 1S 6W	
<i>Other ID nos</i>	1996 inventory no: 66c.		

Description:

This is one of a series of racks made variously from angled steel rod and bar which are placed throughout the bay. These racks support a variety of tongs, fullers, flatters and dies. They were all used in conjunction with either the electro-pneumatic hammers, the steam hammers or the olivers and hand forging operations. This rack is of an A-frame design with three levels and holds approximately 40 swages, fullers and dies. It is in use.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

The item is in good/excellent operating condition.

The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 66d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 257.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745285

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745285.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745285t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 286	<i>Name:</i> Rack of assorted tools (Rack D)	<i>Location:</i> 1S 6W	
<i>Other ID nos</i>	1996 inventory no: 66d.		

Description:

This is one of a series of racks made variously from angled steel rod and bar which are placed throughout the bay. These racks support a variety of tongs, fullers, flatters and dies. They were all used in conjunction with either the electro-pneumatic hammers, the steam hammers or the olivers and hand forging operations. This rack is a large four level shelf built in angle iron, approximately 1500x2500x2000mm. It holds approximately 60 tools of various types- mainly swages, dies and handy blocks - as well as spare parts and scrap materials. It is located between columns 3 and 4 and is in use.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

The item is in good/excellent operating condition.

The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 66e.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 258.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745286


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745286.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745286t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 287	<i>Name:</i> Rack of assorted tools (Rack E)	<i>Location:</i> 1S 6W	
<i>Other ID nos</i>	1996 inventory no: 66e.		

Description:

This is one of a series of racks made variously from angled steel rod and bar which are placed throughout the bay. These racks support a variety of tongs, fullers, flatters and dies. They were all used in conjunction with either the electro-pneumatic hammers, the steam hammers or the olivers and hand forging operations. A five level rack located between columns 4 and 5. Holds ~70 tools, mainly dies and handy blocks. ~30 swages and fullers are piled on the ground in front of the rack,.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

The item is in good. It does not appear to be regularly used.
The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 66f.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 259.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745287

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745287.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745287t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 288	<i>Name:</i> Rack of assorted tools (Rack F)	<i>Location:</i> 1S 6W	
<i>Other ID nos</i> 1996 inventory no: 66f.			

Description:

This is one of a series of racks made variously from angled steel rod and bar which are placed throughout the bay. These racks support a variety of tongs, fullers, flatters and dies. They were all used in conjunction with either the electro-pneumatic hammers, the steam hammers or the olivers and hand forging operations. A wall mounted rack near column 7E holding ~15 tongs.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

The item is in good condition. It does not appear to be regularly used. The external surface of the item has patches of superficial rust and bare metal.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 66g.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 260.

Listings:

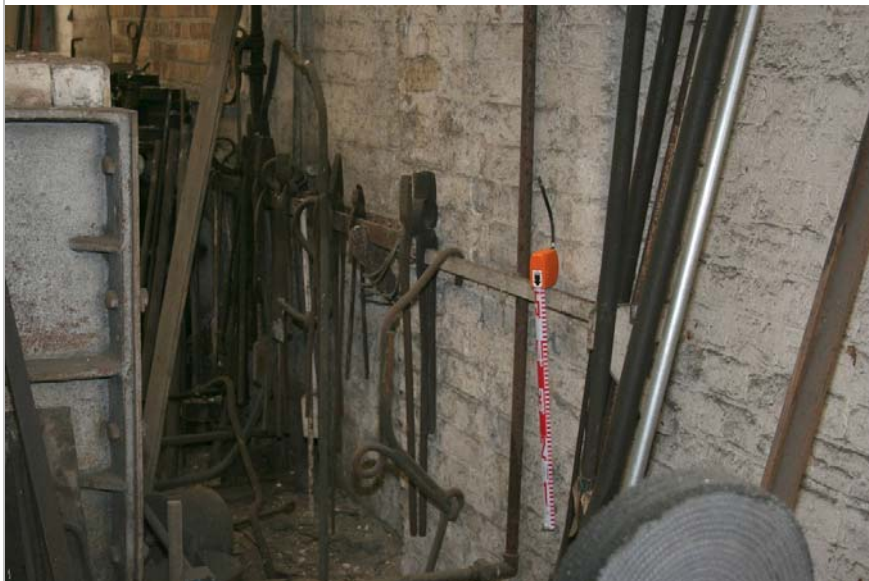
- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745288

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745288.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745288t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 289	Racks of assorted tools (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 66g.

Description:

NA (disposed)

Significance:

Not located - last recorded in Bay 1 South in 1996. Presumed disposed or possibly now renumbered in the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 1S 6W

Recommended Management:

remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 290	<i>Name:</i> Tool rack between columns (Bay 1 South - Rack D)	<i>Location:</i> 1S 6E	
<i>Other ID nos</i>	1996 inventory no: 62d.		

Description:

A two level tool rack consisting of metal strips bolted between columns 4 and 5, plus a pile of tools on the ground in front of the rack. Approximately 20 tongs of different sizes on the rack and another 20 fullers and swages leaning against the rack. Items do not appear to be in regular use.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Surface rust.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 62d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 262.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745290

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745290.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745290t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 291	<i>Name:</i> Tool rack between columns (Bay 1 South - Rack C)	<i>Location:</i> 1S 6E	
<i>Other ID nos</i>	1996 inventory no: 62c.		

Description:

Single level rack of tools consisting of a metal strip bolted to columns 3 and 4. Some tools hung on hand forged hooks. Approximately 40 fullers and swages on the rack and another approximately 30 swages, fullers and tongs leaning against the rack. Items not in regular use.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Surface rust

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 62c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 263.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745291

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745291.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745291t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 292	<i>Name:</i> Tool rack between columns (Bay 1 South - Rack B)	<i>Location:</i> 1S 6E	
<i>Other ID nos</i>	1996 inventory no: 62b.		

Description:

A single level tool rack consisting of a metal strip bolted between columns 2 and 3. Some tools hung on hand-forged hooks. Contains approximately 80 swage blocks and fullers. Items do not seem to be in regular use.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Surface rust

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 62b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 264.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745292


Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745292.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745292t.jpg

ATP S170 Register

SHI No.: 4745 293	Name: Tool rack between columns (Bay 1 South - Rack A)	Location: 1S 6E	
Other ID nos 1996 inventory no: 62a.			

Description:

A three level rack of tools, consisting of metal strips bolted between columns 1 and 2. Contains approximately 15 large tongs, 65 swage blocks, 40 hammers, 30 handy blocks. Tools are still in use.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Good

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 62a.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 265.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745293

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745293.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745293t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 295	<i>Name:</i> Rack of tools between columns (Rack F)	<i>Location:</i> 2N 9W	
<i>Other ID nos</i> 1996 inventory no: 34f. ATP401.			

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. The southern-most panel is cut away. There are three double straps and a single rack. The rack holds 55 swage blocks and a mix of pincers and other tools for use on the forge. It measures 350cm (L) x 290cm (H).

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Modification(s): The southern panel was cut away, probably to install the fuse box.

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34f.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 228.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745295

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745295_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745295_1t.jpg



File: 4745295_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745295_2t.jpg

ATP S170 Register



File: 4745295_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745295_3t.jpg

ATP S170 Register

SHI No.: 4745 296	Name: Rack of tools between columns (Rack G)	Location: 2N 9E	
Other ID nos 1996 inventory no: 34g. ATP434.			

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps. The south side of the rack has been cut away (presumably to accommodate the fuse box). Altogether the rack holds 10 pincers, 9 swage blocks and two iron rods.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Modification(s): The south side of the rack has been cut away (presumably to accommodate the fuse box).

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34g.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 229.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745296

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745296.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745296t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 297	<i>Name:</i> Blacksmith's Forge No. 36 and Coke bin	<i>Location:</i> 2N 9W	
<i>Markings</i>	[Obscured: probably Alldays & Onion] NSWTD / FB36 / SO [...]		
<i>Other ID nos</i>	1996 inventory no: 27f. ATP402.		

Description:

The Forge consists of a cast-iron frame (120x115cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The base of the frame has recessed panels for decorative effect. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to the western and southern sides to contain the heat. A cast concrete coke bin (90x60x66cm) sits on the eastern side of the forge. A sheet metal ashpan lies adjacent to the forge, along with an in situ quenching tank. Grey painted. The forge measures 120cm (L) x 115cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display **Modification(s):** Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall this Forge is in poor condition and is suffering from localised structural corrosion. The south-eastern leg is corroded but this appears not to affect the stability of the cast-iron structure. There is heavy rust to the upper frame, guards and heat shields. The hood and ashbox bear minor surface corrosion.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any

ATP S170 Register

exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

References:

Otto Cserhalmy and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 294.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27f.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745297

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745297_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745297_1t.jpg

ATP S170 Register



File: 4745297_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745297_2t.jpg



File: 4745297_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745297_3t.jpg

ATP S170 Register



File: 4745297_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745297_4t.jpg



File: 4745297_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745297_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 298	<i>Name:</i> Blacksmith's Forge and Coke bin	<i>Location:</i> 2N 9E	
<i>Markings</i>	[Obscured: probably Alldays & Onion] 'YR/37A' (on brick)		
<i>Other ID nos</i>	1996 inventory no: 27e. ATP464.		

Description:

The Forge consists of a cast-iron frame (120x115cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The base of the frame has recessed panels for decorative effect. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels (one painted blue) have been fitted to the western and southern sides to contain the heat. A few hooks are suspended on the western face. A hinged cover or guard has been added to the northern face and a circular access hole (measuring 9.2x7cm) has been cut out. Firebricks remain on the fireplate. A cast concrete coke bin (90x60x66cm) sits on the western side of the forge. Grey painted. The forge measures 120cm (L) x 115cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display

Modification(s): Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall this Forge is in sound condition, however there is heavy rust around the chimney collar. It bears minor surface corrosion and the ashpan is missing.

Further Information:

It was previously believed that the forges were cast in the Eveleigh Foundry (GML 1996).

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive

ATP S170 Register

purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 295.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27e.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745298

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745298_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745298_1t.jpg

ATP S170 Register



File: 4745298_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745298_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 299	<i>Name:</i> Small reheating furnace	<i>Location:</i> 2N 9W	

Description:

A simple cast-iron furnace box (80x40x53cm) with a firebrick centre. There is a 60x9cm slot opening on the side in which to rest tools. The furnace currently sits on a two wheel trolley which measures 88cm (L) x 53cm (W) x 73cm (H).

Significance:

This item is typical of the shop-built furnaces made in the last decades of operation at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown but it is most likely to have been shop-built.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the furnace is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 410.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745299

ATP S170 Register



File: 4745299_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745299_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 300	<i>Name:</i> Guards and tools	<i>Location:</i> 2N 9W	

Description:

Bullnose guard rail (106x124cm) probably from the Hot-metal Circular Saw (Item No. 35); a roughly finished circular plate (135cm diameter) with 12 pierced holes; a plate-metal cylinder with paddles, funnels, large ring spanners marked 'NSWTH / B16' with a dozen items, a cast-iron grate, an AMPOL can and a piece of fixed tool railing (probably from 34f).

Significance:

This collection is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the items are in sound condition. They bear minor surface corrosion.

Recommended Management:

Relocate to appropriate functional location. Dispose of guard if original machine cannot be located.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 411.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745300

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745300_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745300_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 301	<i>Name:</i> Parts of small blower	<i>Location:</i> 2N 9E	
<i>Markings</i>	'Major Furnace & Combustion / Engineering Pty Ltd // Rosebery NSW'		

Description:

Green sheet-metal casing (80cm diameter) for a small blower with separate fan blade. The motor is missing. It measures 80cm (L) x 32cm (W) x 90cm (H).

Significance:

This item is typical of the shop-built blowers made at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The blower was made by Major Furnace & Combustion Engineering Pty Ltd. The history of its use at the Eveleigh Workshops is unknown.

Designer: Major Furnace & Engineering Pty Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the blower parts are in sound condition despite minor surface corrosion.

Recommended Management:

Reassemble if possible, else dispose.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 419.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745301

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745301_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745301_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 302	<i>Name:</i> Lockers	<i>Location:</i> 2N 9E	
<i>Markings</i>	'73 // 74 // 75'		

Description:

Set of three blue lockers, numbered 73 to 75, with sloping roof. The T-bar locks have been replaced with latches. A dozen rings are currently stored in the base of the lockers. The set measures 140cm (L) x 43cm (W) x 210cm (H).

Significance:

These lockers are one of the surviving examples of auxiliary equipment installed in the locomotive workshops in the early 20th century. They are important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of these lockers is unknown, but they have probably been in use in some part of the workshops since the early 20th century. Lockers of this style appear in photographs of Bay 2 north thought to date to the 1920s (State Records B28314).

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the lockers are in sound condition although they are buckled with use and bear minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 420.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745302

Date Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745302_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745302_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 303	<i>Name:</i> Collection of casting boxes	<i>Location:</i> 2N 9E	
<i>Markings</i>	"COMMON BOX"		

Description:

Collection of approximately 18 casting boxes, many marked "COMMON BOX". They are currently piled on a timber pallet.

Significance:

These items are typical of the equipment used in the casting of small components within the foundry within the Workshops. They help interpret this function of the Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown but they have been relocated from Chullora.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

The casting boxes are in sound condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 421.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745303

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745303_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745303_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 304	<i>Name:</i> Timber box with tools	<i>Location:</i> 2N 9E	
<i>Markings</i>	'AH17'		

Description:

Timber box and lid measuring 108cm (L) x 65cm (W) x 77cm (H). Approximately 12 tools and fittings including pipes, hooks and a table leg marked 'AH17'. A flywheel rest adjacent to the box.

Significance:

This box is typical of shop-built those used throughout the Workshops to store equipment and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the box and items are in sound condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 422.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745304

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745304_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745304_1t.jpg

ATP S170 Register

SHI No.: 4745 305	Name: Blower	Location: 2N 9E	
Markings	'X26' [on base]		
Other ID nos	ATP069.		

Description:

A shop-built blower with bolted cylinder construction (45cm diameter), bullet-nosed fan, guard (47x47cm) and grill.

Significance:

This item is typical of the shop-built blowers made at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the blower is in sound condition. It bears minor surface corrosion.

Recommended Management:

Reinstate if possible, else dispose.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 423.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745305

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745305_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745305_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 306	<i>Name:</i> Bucket of tools	<i>Location:</i> 2N 9E	
<i>Markings</i>	1) "ROCOL"		

Description:

3 small drums with swage blocks, paddles and other tools. One is marked "ROCOL".

Significance:

This collection is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the bucket of tools is in sound condition, although the base of one drum has worn through.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 424.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745306

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745306_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745306_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 307	<i>Name:</i> Trolley with two motors and a gear box	<i>Location:</i> 2N 9E	
<i>Markings</i>	'Crompton Parkinson' // 'SONNERDALE'		

Description:

A cast-iron trolley with a Crompton Parkinson two-belt motor and another small motor attached to a Sonnerdale gearbox. The trolley measures 85cm (L) x 65cm (W) x 82cm (H).

Significance:

These motors and gear box are typical of those used to power and drive machinery throughout the workshops following the transition from steam power. There is no evidence for their association with any particular machine. The trolley has interpretive value to the site however the other items have no significance.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Designer/Builder: Crompton Parkinson

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the trolley and motors are in sound condition. They bear minor surface corrosion and is generally covered with grime and dust.

Recommended Management:

Retain trolley for prop collection, dispose of motors and pumps.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 425.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745307

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745307_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745307_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 308	<i>Name:</i> Cart and tools	<i>Location:</i> 2N 9E	
<i>Markings</i> <i>Other ID nos</i>	'20-1' ATP047.		

Description:

Three wheel cart with pull handle and approximately 100 tools, miscellaneous gears and guards.

Significance:

This collection is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the cart and tools are in sound condition, although are worn with use. They bear minor surface corrosion and flaking paint.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 426.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745308

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008


Status: Basic

ATP S170 Register



File: 4745308_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745308_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 309	<i>Name:</i> Ajax pump and Brook motor	<i>Location:</i> 2N 9E	
<i>Markings</i>	'Brook Motors Ltd / Puttersfield England' [on motor] // 'AJAX' [pump]		

Description:

Small motor fixed to pump. It measures 65cm (L) x 27cm (W) x 31cm (H).

Significance:

This pump and motor are typical of ancillary components used to power and operate machinery throughout the workshops following the transition from steam power. There is no evidence for their association with any particular machine. Provenance unknown - dispose.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the pump and motor are in sound condition. They bear minor surface corrosion and are generally covered with grime and dust.

Recommended Management:

Archivally record and dispose.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 427.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register




File: 4745309_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745309_1t.jpg



File: 4745309_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745309_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 310	<i>Name:</i> Metal bin for steel scrap	<i>Location:</i> 2N 9E	
<i>Markings</i>	"SPRING / STEEL / ONLY"		
<i>Other ID nos</i>	ATP466.		

Description:

Plate-steel bin with large lifting rings on each side. Approximately 50 eyelets and the die from which they were cut.

Significance:

This bin is typical of shop-built those used throughout the Workshops to store scrap metal and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown but it was likely to have been shop-built.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the bin is in good condition, although the left corner of the base appears to be cracked off. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 428.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745310

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745310_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745310_1t.jpg



File: 4745310_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745310_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 311	<i>Name:</i> Line shafting	<i>Location:</i> 2N 9E	
<i>Markings</i>	'BSC / FE 15'		

Description:

Section of line shafting painted orange and red. It measures 105cm (L) x 40cm (W) x 40cm (H).

Significance:

This section of line shafting is one of the few surviving remnants of steam power operations in the Workshops. It is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the line shafting is in sound condition, although one mount and one belt wheel is cracked. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 429.

Listings:

- 1 *Heritage Act - s. 170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745311

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745311_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745311_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 312	<i>Name:</i> Counterweight Guard for Churchill Grinder	<i>Location:</i> 2N 9E	

Description:

Rolled steel cylinder on base set in cast-iron foot. It measures 42cm (L) x 42cm (W) x 123cm (H).

Significance:

See statement for the Churchill Grinder. This item has little significance individually but should be reinstalled with the Churchill Grinder.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This guard was probably manufactured in-house to accommodate the counterweight to the Grinder which otherwise swings free. It may have been made at the time of installation (after WWII), or possibly years later.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the counterweight guard is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained and reinstated with the Churchill Grinder.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 430.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745312

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745312_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745312_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 313	<i>Name:</i> Workshop Switchboard	<i>Location:</i> 2N 9E	
<i>Markings</i>	'Electric Control / Sydney'		
<i>Other ID nos</i>	ATP465.		

Description:

Main power board with one master switch and seven small switches. It measures 180cm (L) x 115cm (W) x 25cm deep.

Significance:

This item primarily has interpretive value to the site and assists in understanding the complex electrical system installed in the latter phase of operation of the Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The switchboard appears to have been installed in the mid 20th century.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the switchboard is in sound condition.

Recommended Management:

This item should be retained for interpretive use only.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 431.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745313

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745313_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745313_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 315	<i>Name:</i> Rack of tools between columns (Rack E)	<i>Location:</i> 2N 10W	
<i>Markings</i>	'AGL SYDNEY / OPERATING INSTRUCTIONS for FR10...' // 'U-Bolt - Set 1982'		
<i>Other ID nos</i>	1996 inventory no: 34e. ATP403.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four double straps and a central support. The rack holds approximately 150 swage blocks, pincers and other tools for use on the forge (probably Furnace 10 which is now removed). A sign with instructions from AGL Sydney for the operation the gas-fired furnace No. 10 is still attached to the rack.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34e.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 227.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745315

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745315.jpg

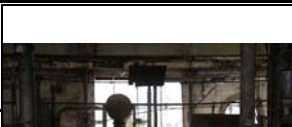
Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745315t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 316	<i>Name:</i> Rack of tools between columns (Rack H)	<i>Location:</i> 2N 10E	
<i>Other ID nos</i>	1996 inventory no: 34h. ATP433.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps. Altogether the rack holds 17 pincers, 12 swage blocks, 2 hammers, 1 hook, 1 template and 4 miscellaneous items. In addition there are several pieces of scrap metal in the adjacent quenching tank.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34h.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 230.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745316

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745316.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745316t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 317	<i>Name:</i> Safety Guard	<i>Location:</i> 2N 10W	
<i>Other ID nos</i> 1996 inventory no: 66b.			

Description:

Simple freestanding safety guard with a single sheet with rounded corners bolted between a rectangular plate frame and T-bar legs. Painted grey with red corners. It measures 180cm (L) x 80cm (W) x 161cm (H).

Significance:

This item is typical of the shop-built guards made from scrap metal components to protect workers in the vicinity of operating machinery throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines and the changing nature of workplace safety practices in large-scale industry in the 20th century.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this guard is unknown, but it was probably built in-house. In 2006 it was in use in Bay 1 south.

Designer/Builder: Eveleigh

Current Use: Workshop safety

Former Uses: Workshop safety

Physical Condition:

Overall the Safety Guard is in sound condition.

Further Information:

Originally recorded as 'Racks of assorted tools'.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 66b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 255.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745317

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register




File: 4745317_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745317_1t.jpg



File: 4745317_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745317_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 318	<i>Name:</i> Portable Tool Rack	<i>Location:</i> 2N 10W	
<i>Other ID nos</i> 1996 inventory no: 36c. ATP459.			

Description:

Cast-iron tool rack with 3 plate bars bolted between two pairs of upright bars with splayed feet. Ten roughly-forged double hooks (33cm long) and two single hooks (22cm long) are fitted to the upper bar. The rack currently holds 69 tools and a large disc ring.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is believed to be one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation. Racks similar to this appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680).

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 279.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745318

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745318_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745318_1t.jpg



File: 4745318_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745318_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 319	<i>Name:</i> Blacksmith's Forge and Coke bin	<i>Location:</i> 2N 10E	
<i>Markings</i>	[Obscured: probably Alldays & Onion]		
<i>Other ID nos</i>	1996 inventory no: 27d. ATP461.		

Description:

The Forge consists of a cast-iron frame (120x115cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The base of the frame has recessed panels for decorative effect. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to the western and southern sides to contain the heat. Approximately two dozen firebricks remain on the fireplate. A cast concrete coke bin (90x60x66cm) sits on the western side of the forge. A sheet metal ashpan (60x38x38cm) is fitted to the southern guard. Grey painted. The forge measures 120cm (L) x 115cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney). It is similar to FB 4 (Item 27a).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display *Modification(s):* Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall this Forge is in sound condition; the best of the forges in Bay 2N. The cast-iron frame, hood, chimney, coke bin and ashbox (with cover) are all intact. It bears minor surface corrosion. Miscellaneous guards and tools have been placed over the bin.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any

ATP S170 Register

exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 sort out the guards etc and other rubbish

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 296.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27d.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745319

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745319_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745319_1t.jpg

ATP S170 Register



File: 4745319_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745319_2t.jpg



File: 4745319_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745319_3t.jpg

ATP S170 Register



File: 4745319_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745319_4t.jpg

ATP S170 Register

SHI No.: 4745 320	Name: Anvil base	Location: 1S 4C	

Description:

Cast iron base for an anvil measuring 60cm (L) x 55cm (W) x 25cm (H).

Significance:

This anvil base is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops and evidences the versatility of the workshops in the manufacture of tools.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This is one of several anvil bases used in the blacksmith's shop throughout all the years of its operation. It was probably cast in-house.

Designer/Builder: Eveleigh

Current Use: Workshop tool

Former Uses: Workshop Tool

Physical Condition:

Overall the anvil base is in sound condition. It bears minor surface corrosion and is chipped on one side.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*

Listing date: 30 Jun 08. Reference Number: 4745320

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 27 Aug 2008

Status: Basic

ATP S170 Register



File: 4745320.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745320t.jpg



File: 4745320.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745320t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 321	<i>Name:</i> Pallet of guards, scrap metal and tools	<i>Location:</i> 2N 10-11E	

Description:

Collection of approximately 50 items on a timber pallet, including: a large grey guard measuring 145x120cm, brackets (possibly for lamps), small fullers, swages, pipes and cut sheet metal.

Significance:

This collection is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations. These items require sorting and reinstatement into functional relationships. If guards cannot be reinstated as their original machine cannot be located, they may be disposed of.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these item is unknown. Some of the guards may have been removed from nearby gas furnaces; and others from machinery in other bays.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the items are in sound condition. They bear minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 408.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745321

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745321_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745321_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 322	<i>Name:</i> Timber parts bin	<i>Location:</i> 2N 10E	

Description:

Narrow timber box with a four small partitions, probably for small tools or parts. It measures 92cm (L) x 32cm (W) x 28cm (H).

Significance:

This bin is typical of shop-built those used throughout the Workshops to store equipment and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the timber parts bin is in sound condition, although part of the base has broken off.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 415.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745322

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 27 Aug 2008

Status: Basic

ATP S170 Register



File: 4745322_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745322_1t.jpg

ATP S170 Register

SHI No.: 4745 323	Name: Anvil base	Location: 2N 10E	

Description:

Cast iron base for an anvil measuring 60cm (L) x 55cm (W) x 25cm (H).

Significance:

This anvil base is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops and evidences the versatility of the workshops in the manufacture of tools.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This is one of several anvil bases used in the blacksmith's shop throughout all the years of its operation. It was probably cast in-house.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the anvil base is in sound condition. It bears minor surface corrosion and is chipped on one side.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 416.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745323

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 27 Aug 2008

Status: Basic

ATP S170 Register



2N

File: 4745323_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745323_1t.jpg



File: 4745323_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745323_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 324	<i>Name:</i> Tool rest	<i>Location:</i> 2N 10E	

Description:

Small tool rest in a T-bar configuration with a central rod and upturned ribs. It measures 65cm (L) x 40cm (W) x 20cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown but it was most likely to have been shop-built.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the tool rest is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 417.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745324

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745324_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745324_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 325	<i>Name:</i> Assemblage of tools	<i>Location:</i> 2N 10E	

Description:

Collection of approximately 50 fullers, swages, tools, spanners and miscellaneous scrap plate piles on a cast-iron floor plate.

Significance:

This collection is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this collection is unknown. It was possibly assembled from parts lying on the ground nearby.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 418.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745325

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745325_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745325_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 326	<i>Name:</i> Rack of tools between columns (Rack D)	<i>Location:</i> 2N 11W	
<i>Other ID nos</i> 1996 inventory no: 34d. ATP404.			

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are two double straps and two single racks. Handles have been fitted to the upper bar and cast iron sheeting has been fitted between the bars on the bottom row. Altogether the rack holds 7 pincers, 42 swage blocks, pins, paddles and cutting tools (including one resting against the rack), 6 hammer blocks, 4 hoops and 3 miscellaneous items. In addition there are more than a dozen tools resting in the heavily corroding quenching tank. It measures 570cm (L) x 300cm (H).

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 226.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745326

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745326.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745326t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 327	<i>Name:</i> Rack of tools between columns (Rack I)	<i>Location:</i> 2N 11E	
<i>Other ID nos</i> 1996 inventory no: 34i. ATP432.			

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps. Altogether the rack holds 25 pincers, 54 swage blocks, 6 templates, 10 hoops, 13 hammers, one piece of hosing and 4 miscellaneous items. In addition there are several brackets, cogs, rods and scrap metal in the adjacent quenching tank. Two open tool boxes at the base of the rack hold more tools and fragments of timber.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34i.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 231.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745327

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745327.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745327t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 328	Blacksmith's Forge No. 19 and Coke bin	2N 11E	
Markings	On base: 'WILLIAM WALDON & SONS / * MAKERS * / BIRMINGHAM'. On hood: '[COMMONWEALTH] / A [in star] SYDNEY A [in star] / No. A80'. NSWTD / FB19 / SO [blank]		
Other ID nos	1996 inventory no: 27c.		

Description:

The Forge consists of a cast-iron frame (130x120cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to the western and southern sides to contain the heat. The base has been enclosed. About 15 firebricks lie on the firepan. A cast concrete coke bin (90x60x66cm) painted blue sits on the western side of the forge. A burner and guard lie on top of the coke bin. The forge is painted grey. The forge measures 130cm (L) x 120cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display **Modification(s):** Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Blacksmith's Forge is in poor condition. The sheathing, upper frame and chimney collar are heavily corroded. The base and hood are sound but bear minor surface corrosion and flaking paint. The forge is generally covered with grime and dust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any

ATP S170 Register

exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 297.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27c.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745328

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic



File: 4745328_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745328_1t.jpg

ATP S170 Register




File: 4745328_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745328_2t.jpg



File: 4745328_3.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745328_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 329	<i>Name:</i> Trolleys	<i>Location:</i> 2N 11W	

Description:

A collection of 17 small trolleys or carts with two wheels on one end and angle-brace feet on the other. Each trolley has either four or six upright bars and four have sheet-metal casing along each side (see notes for details). Each trolley measures approximately 90cm (L) x 55cm (W) x 75cm (H).

Significance:

This trolley is typical of small shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this item is unknown but it was likely to have been made on site. In March 2008 they were in use by the blacksmith's shop, as required.

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the trolleys are in sound condition. They bear minor surface corrosion and are generally covered with grime and dust.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 distribute one or two trolleys per furnace

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 382.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745329

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 21 Aug 2008

Status: Basic

ATP S170 Register



21 Aug 2008

File: 4745329_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745329_1t.jpg



18 Mar 2008

File: 4745329_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745329_2t.jpg

ATP S170 Register



18 Mar 2008

File: 4745329_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745329_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 330	<i>Name:</i> Pope Motor	<i>Location:</i> 2N 11E	
<i>Markings</i>	'Pope / Australia'		

Description:

Small electric motor bolted to cast-iron plate and a pair of struts which are now snapped. It was once painted blue. It measures 55cm (L) x 31cm (W) x 26cm (H).

Significance:

This motor is typical of those used to power machinery throughout the workshops following the transition from steam power. There is no evidence for its association with any particular machine. It is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of this item is unknown.

Designer/Builder: Pope Electric Motors

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the motor is in sound condition. It bears minor surface corrosion.

Recommended Management:

Archivally record and dispose.

Studies:

¹ Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 399.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745330_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745330_1t.jpg



File: 4745330_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745330_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 331	<i>Name:</i> Workshop track trolley	<i>Location:</i> 2N 11C	

Description:

Four-wheel, cast-iron trolley measuring 135cm (L) x 122cm (W), set on 160cm wide rails which run north-south down Bay 2 north.

Significance:

This trolley is typical of small shop-built carts which were used to transport materials on the rail tracks which ran throughout the workshops. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this trolley is unknown, but it was one of several small shop-built carts which were used to transport materials on the rail tracks which ran throughout the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the trolley is in good condition, however there is a crack on the inner lip of the wheel on the NW side.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 403.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745331

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008


Status: Basic

ATP S170 Register



File: 4745331_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745331_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 332	<i>Name:</i> Two toolboxes	<i>Location:</i> 2N 11C	

Description:

Two sheet-metal toolboxes, painted grey. The boxes an estimated 100-150 fullers, machine parts, guards and other tools possibly associated with the nearby furnace.

Significance:

This tool box is typical of those used in the Blacksmith's Shop throughout the 20th century and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these items is not known.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

One of the two tool boxes is in sound condition, the other poor. The latter is buckled and suffering heavy corrosion on the base. Both bear minor surface corrosion and are generally covered with grime and dust.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 404.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745332

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745332_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745332_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 333	<i>Name:</i> Timber crate with shaping rods	<i>Location:</i> 2N 11C	
<i>Markings</i>	'NSWTD // SH'		

Description:

Timber crate with angle iron brackets bolted to each corner. The crate currently holds square shaper rods (mostly 35cm long) with differently profiled heads. One is embossed 'NSWTD // SH'. It measures 70cm (L) x 62cm (W) x 30cm (H).

Significance:

This box is typical of shop-built those used throughout the Workshops to store equipment and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

The crate is splintered and broken away on one side. The rods are rusted and worn with use, but sound,

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 405.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745333

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745333_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745333_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 334	<i>Name:</i> Rack	<i>Location:</i> 2N 11E	

Description:

Rack or support with two parallel wrought iron bars set on two 35cm diameter bases. The uprights are 80cm apart. The rack measures 116cm (L) x 35cm (W) x 98cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 407.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745334

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745334_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745334_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 335	<i>Name:</i> Parts from Wadkin Router	<i>Location:</i> 2N 11EC	

Description:

Three items believed to be associated with the Wadkin router, including: a cast-iron bed (70x70cm) with 60cm long timber handle set on the diagonal from one corner; a timber with cast-iron rails and various routed divisions 80x70cm; and a timber frame or gate hinged to three cast-iron struts with a bullnose panel at one end.

Significance:

See statement for the Wadkin Router. These items should be disposed of with the Wadkin Router

Assessed Significance:

Endorsed Significance:

Historical Notes:

See record for the Wadkin Router.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

All parts are in sound condition. They bear minor surface corrosion and the timber elements are worn.

Recommended Management:

Reunite with the Wadkin Router, pending further research. (See record for the Router.)

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 409.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745335_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745335_1t.jpg



File: 4745335_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745335_2t.jpg

ATP S170 Register



File: 4745335_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745335_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 336	<i>Name:</i> Rack of tools between columns (Rack C)	<i>Location:</i> 2N 12W	
<i>Other ID nos</i>	1996 inventory no: 34c. ATP405.		

Description:

Seven-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are three bars on the south side and seven on the north side. Cast iron sheeting has been bolted between the bars on the north side. Altogether the rack holds 91 swage blocks, 28 pincers, 17 hammers or templates and 8 miscellaneous items. In addition there are more than 20 tools resting in the adjacent quenching tank.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 225.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745336

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745336.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745336t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 337	<i>Name:</i> Rack of tools between columns (Rack J)	<i>Location:</i> 2N 12E	
<i>Other ID nos</i> 1996 inventory no: 34j. ATP431.			

Description:

Six-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are eight double straps and two upright supports. The south side of the rack has been cut away. A makeshift shelf of chipboard has been fitted to the upper bar. Altogether the rack holds 4 pincers and 34 swage blocks. In addition there are approximately 6 tools and a large sheet of plywood in the adjacent quenching tank. It measures 570cm (L) x 300cm (H).

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34j.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 232.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745337

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745337.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745337t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 338	Blacksmith's Forge No. 18 and Coke Bin	2N 12E	
Markings	On base: 'WIL[LIAM ALLDAYS] / No. ...'. On hood: 'GOL[DME]TAL / A [in star] SYDNEY A [in star] / No. A80'. Firebricks: 'NEW BOLD // HAF' NSWTD / FB18 / SO [blank]		
Other ID nos	1996 inventory no: 27b. ATP449.		

Description:

The Forge consists of a cast-iron frame (130x120cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to the western and southern sides to contain the heat. Ten firebricks like on the firepan (5 in situ, 5 loose). A cast concrete coke bin (90x60x66cm) sits on the western side of the forge. A burner and guard lie on top of the coke bin. The forge is painted grey and set in pebble concrete. The forge measures 130cm (L) x 120cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display

Modification(s): Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall Forge No. 18 is in sound condition. It bears minor surface corrosion and the guard plate is loose. The chimney exhibits heavy rust.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped

ATP S170 Register

with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 determine whether the burner and guard lying on the coke bin are associated with FB18 and reinstate or relocate
- 2 Secure the guard plate

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 298.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27b.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745338

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic



File: 4745338_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745338_1t.jpg

ATP S170 Register



File: 4745338_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745338_2t.jpg



File: 4745338_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745338_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 339	<i>Name:</i> Brown & Sharpe Line Shafting	<i>Location:</i> 2N 12W	
<i>Markings</i>	'Brown & Sharpe Mfg. Co. / Providence USA' // '18'		

Description:

Section of line-shafting comprising a cast-iron bracket mounted to two timber shafts, supporting three cam shafts. A sheet-metal guard is fitted over the brackets and some belt remains in situ. In total, the item measures 270cm (L) x 65cm (W) x 140cm (H).

Significance:

This section of line shafting is one of the few surviving remnants of steam power operations in the Workshops. It is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

These shafts were made by the Brown & Sharpe Manufacturing Company of Providence, USA. It is unknown when or where they were installed at the Eveleigh workshops but they may be associated with the Brown & Sharpe Universal Grinder which is believed to have been installed in about 1940.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

This section of line shafting is in poor condition. It has been placed bracket-side down and the sheet metal guards have buckled under the weight. The top left bracket and clamp has been broken off.

Recommended Management:

This item should be retained and reinstated in a functional relationship with the Browne and Sharpe Universal Grinder.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Restore guards; reinstate top left bracket
- 2 Reinstall in functional relationship to machine

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 384.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745339

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic

ATP S170 Register



File: 4745339_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745339_1t.jpg



File: 4745339_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745339_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 340	<i>Name:</i> Cylinder with scrap metal	<i>Location:</i> 2N 12E	

Description:

Cylinder resting 60cm on the east side of Steam Hammer 28. It is 30cm diameter and formed from 4mm thick sheet metal welded along one side. It is roughly shorn at the top. It is currently filled with approximately 100 pieces of scrap metal. There is a stain on the ground immediately west of the hammer.

Significance:

This item is typical of the shop-built equipment made from scrap metal components to store tools and working equipment throughout the workshops. It assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is possible that this cylinder was located west of Steam Hammer 28 and was used to collect waste oil, or act as a guard for the steam hammer ram. It is unknown when it was filled with scrap metal.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the cylinder is in sound condition, although it bears surface corrosion and is buckled and worn with use.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 392.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745340

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745340_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745340_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 341	<i>Name:</i> Timber shelf	<i>Location:</i> 2N 12E	

Description:

A timber shelf or bench comprised of three tongue-and-groove boards. It was originally painted rusty brown and later black. Chalk calculations are visible. A number of 'S' or hook shaped impressions appear on the shelf. It measures 144cm (L) x 41cm (W) x 5cm (H).

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and demonstrates the tendency to reuse materials within the workshop for other purposes when they have reached the end of their original useful life.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is unknown when this shelf was originally built but it was probably made in-house. The impressed marks suggest that the shelf was originally used as a work surface or bench. This may have been used most recently as a screen along with sheet steel piece wedged between the column and adjacent tool racks.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the timber shelf is in good condition, although it is worn with use.

Recommended Management:

This item should be retained for display purposes or disposed of.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 393.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745341

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745341_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745341_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 342	<i>Name:</i> Hand crank and wheel	<i>Location:</i> 2N 12E	
<i>Other ID nos</i>	ATP[A]417.		

Description:

A hand crank with a timber handle and 26cm diameter cog, a 5cm diameter spindle (21cm long) and a 19cm bracket. The wheel is 41cm in diameter.

Significance:

A hand crank and wheel from an unknown machine. These items should be reinstated in their original functional position if possible.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of these items is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the items are in sound condition, although they are currently resting on the floor between Items 36d and 395.

Recommended Management:

This item should be reinstated with its original functional machine if possible. If this cannot be located, the item may be disposed of.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 394.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745342

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745342_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745342_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 343	<i>Name:</i> Brownbuilt Lockers	<i>Location:</i> 2N 12E	
<i>Markings</i>	'BROWNBUILT'		

Description:

Set of four small blue lockers, two up and two down. The doors on the left hand side have been bolted together so that the top and bottom lockers could be opened together. The set measures 79cm (L) x 47cm (W) x 183cm (H).

Significance:

These lockers are a component of the steam hammer assemblage and are one of the surviving examples of auxiliary equipment installed in the blacksmith's shop in the first half of the 20th century. They are important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The lockers were made by Brownbuilt, probably in the first half of the 20th century.

Designer/Builder: Brownbuilt

Current Use: Display

Modification(s): The doors on the left hand side have been bolted together so that the top and bottom lockers could be opened together.

Former Uses: Workshop storage

Physical Condition:

Overall the lockers are in poor condition. Structural corrosion is evident on the left side and top of the set. The sides are buckled and the latch on the top left side has been removed.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 395.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745343

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745343_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745343_1t.jpg



File: 4745343_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745343_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 344	<i>Name:</i> Pile of sheeting, tools and fullers	<i>Location:</i> 2N 12E	

Description:

Collection of 8 miscellaneous items including a large section of cast-iron plate with drainage holes, large template or fuller, swage block, miscellaneous sheet and a bucket of approximately 20 paddles and tools.

Significance:

These items require sorting and reinstatement into appropriate functional contexts, or disposal, as appropriate

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the items are in sound condition. They bear minor surface corrosion.

Recommended Management:

This collection should be retained, pending further research.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 396.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745344

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register




File: 4745344_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745344_1t.jpg



File: 4745344_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745344_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 345	<i>Name:</i> Globe Pneumatic Hoist	<i>Location:</i> 2N 12E	
<i>Markings</i>	'Globe / Pneumatic / London // GH6B // HOIST NO. / GH2 / 1061'		
<i>Other ID nos</i>	ATP0012.		

Description:

Hoist carriage with rope, pulley and hook still attached. Painted red. It measures 74cm (L) x 42cm (W) x 48cm (H).

Significance:

This item is typical of the lifting equipment used in the later periods of operation in the Workshops. This example is not provenanced to any particular location within the Workshops and primarily has interpretive value.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the Hoist is in sound condition. It bears minor surface corrosion and is generally covered with grime and dust.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 397.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745345

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745345_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745345_1t.jpg



File: 4745345_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745345_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 346	<i>Name:</i> Motorised pump	<i>Location:</i> 2N 12EC	

Description:

Small electric motor and pump bolted and welded to C-bar struts. The nameplates have been removed.

Significance:

This motorised pump is typical of auxiliary components used to operated machinery throughout the workshops following the transition from steam power. There is no evidence for its association with any particular machine. It is recommended for disposal due to lack of provenance.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Hoist is in sound condition and appears to have been greased recently. It bears minor surface corrosion and is generally covered with grime and dust. The hose is deteriorating.

Recommended Management:

Archivally record and dispose.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 398.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745346_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745346_1t.jpg

ATP S170 Register

SHI No.: 4745 348	Name: Pile of swages, fullers and tools	Location: 2N 12E	

Description:

Pile of approximately 45 swages, fullers and miscellaneous tools and rods scattered on the floor at the base of lockers.

Significance:

These items are typical of the small tools used throughout the Workshop. Once reinstated into a functional position they will assist in the interpretation of the Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these items is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the items are in sound condition. It bears minor surface corrosion.

Recommended Management:

This collection should be retained, pending further research.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 401.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745348

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745348_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745348_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 349	<i>Name:</i> Lockers	<i>Location:</i> 2N 12E	

Description:

Set of two blue lockers with sloping roof and T-bar locks. The lockers are currently empty. They measure 87cm (L) x 47cm (W) x 144cm (H).

Significance:

These lockers are an important component of the steam hammer assemblage and are one of the surviving examples of auxiliary equipment installed in the blacksmith's shop in the early 20th century. They are important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of these lockers is unknown, but they have probably been in use in some part of the workshops since the early 20th century. Lockers of this style appear in photographs of Bay 2 north thought to date to the 1920s (State Records B28314).

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the Lockers are in good condition, although worn with use. They bear minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 402.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745349

Date Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745349_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745349_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 350	<i>Name:</i> Rack of tools between columns (Rack B)	<i>Location:</i> 2N 13W	
<i>Other ID nos</i> 1996 inventory no: 34b. ATP406.			

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. Corrugate iron sheeting has been bolted between the bars on the south side. The bottom north bar has been cut. Altogether the rack holds 53 swage blocks, 26 pincers, 15 hammers, 1 template and 2 miscellaneous items. In addition there are more than 30-50 spanners, lock pins, bracks and pieces of scrap metal in the adjacent quenching tank.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition, although some of the bars have buckled with use. The rack bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 224.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745350

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745350.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745350t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 351	<i>Name:</i> Rack of tools between columns (Rack K)	<i>Location:</i> 2N 13E	
<i>Markings</i>	'RH [Co.]'		
<i>Other ID nos</i>	1996 inventory no: 34k. ATP430.		

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four pairs of double straps. The central beam is stamped 'RH&Co'. Altogether the rack holds 4 pincers, 83 swage blocks, 30 templates and cutting tools and 6 hammer blocks. In addition there are several tools, scrap metal a shovel head and spikes in the adjacent quenching tank.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34k.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 233.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745351

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745351.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745351t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 352	<i>Name:</i> Trolley	<i>Location:</i> 2N 13W	
<i>Other ID nos</i> 1996 inventory no: 37i.			

Description:

Small cart with two wheels on one end and angle-brace feet on the other. There are six angle-iron uprights to hold bins and other loads. A small makeshift hook has been fitted to one end. It measures 90cm (L) x 58cm (W) x 65cm (H).

Significance:

This trolley is typical of small shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this trolley is unknown but it was produced in the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the trolley is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37i.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 266.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745352

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745352_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745352_1t.jpg



File: 4745352_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745352_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 353	<i>Name:</i> Tool shelf	<i>Location:</i> 2N 13–14E	
<i>Other ID nos</i> 1996 inventory no: 37d. ATP439.			

Description:

Four-tier shelf unit for tools measuring 136cm (L) x 76cm (W) x 146cm (H). Cast-iron, welded- plate construction with two additional braces at each end. The middle two shelves have 5cm lips hold tools in place. The unit is painted grey. It currently holds 200-250 items of tooling, mostly dies.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation. The item's exact date is unknown however it is 20th century as it is of welded manufacture.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Surface rust, dust

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 271.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745353

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register




File: 4745353_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745353_1t.jpg



File: 4745353_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745353_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 354	<i>Name:</i> Tool shelf for dies	<i>Location:</i> 2N 13W	
<i>Other ID nos</i>	1996 inventory no: 37c.		

Description:

Small grey-painted rack with an angle-iron frame and three bucket shelves set on narrow plated feet. It holds approximately 40 items including dies. A battered Shell tin bucket holding with bore or drill bits is currently placed adjacent to the eastern side of the shelves. The shelf measures 78cm (L) x 47cm (W) x 90cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it was produced in the workshops. It was last used in Bay 2 north along with several other racks to hold dyes, moulds and templates required for working the steam hammers and forging equipment.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the shelf is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 consider relocating

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 272.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745354

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register




File: 4745354_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745354_1t.jpg



File: 4745354_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745354_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 355	<i>Name:</i> Portable tool rack	<i>Location:</i> 2N 13W	
<i>Other ID nos</i> 1996 inventory no: 36f. ATP441.			

Description:

Cast-iron tool rack measuring 184cm (L) x 128cm (W) x 93cm (H) bolted to a section of holey cast-iron floor plate. The construction comprises 3 plate bars (8cm high) bolted between two pairs of upright bars with splayed feet. Painted grey. Ten roughly-forged double hooks are fitted to the upper bar. The rack currently holds 59 pincers, swages and dies.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is believed to be one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation. Racks similar to this appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680).

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36f.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 282.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745355

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745355_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745355_1t.jpg



File: 4745355_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745355_2t.jpg

ATP S170 Register



File: 4745355_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745355_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 356	<i>Name:</i> Portable tool rack	<i>Location:</i> 2N 13E	
<i>Other ID nos</i> 1996 inventory no: 36g. ATP443.			

Description:

Cast-iron tool rack measuring 185cm (L) x 90cm (W) x 123cm (H). The construction comprises 3 plate bars bolted between two pairs of upright bars with splayed feet. Painted grey. Ten roughly-forged double hooks and two single hooks are fitted to the upper bar. The rack currently holds 93 swages and dies.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is believed to be one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation. Racks similar to this appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680).

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Further Information:

This rack was not tagged. It was allocated as 36G after all other racks had been identified.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36g.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 283.

Listings:

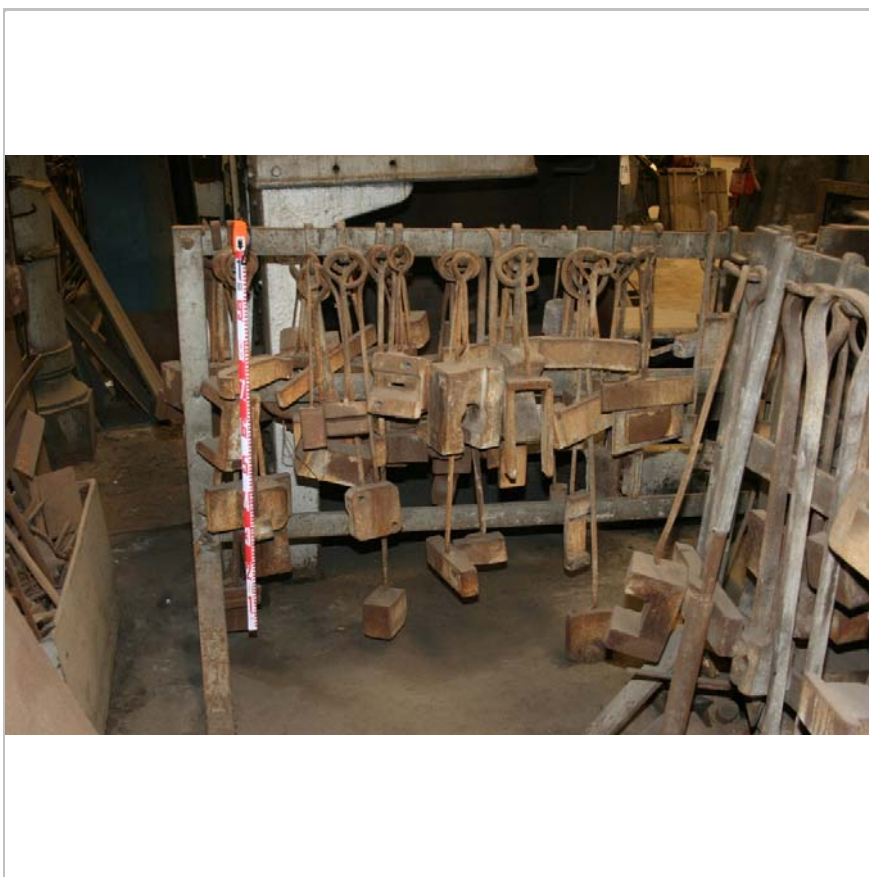
- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745356

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745356.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745356t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 357	Blacksmith's Forge No. 4 and Coke Bin	2N 13E	
Markings	ALLDAYS & ONIONS / LTD / MAKERS / BIRMINGHAM . LONDON NSWTD / FB4 / SO [blank]		
Other ID nos	1996 inventory no: 27a. ATP445.		

Description:

The Forge consists of a cast-iron frame (120x115cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The base of the frame has recessed panels for decorative effect. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to the western and southern sides to contain the heat. Tools are suspended from hooks fitted to the guard. A narrow timber bench is suspended between the hood and the guard. A cast concrete coke bin (90x60x66cm) sits on the western side of the forge. A sheet metal ashpan (60x38x38cm) is fitted to the southern guard. Grey painted. The forge measures 120cm (L) x 115cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display

Modification(s): Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall the Blacksmith's Forge is in poor condition. The chimney collar and sheathing are heavily corroded. Remaining elements bears minor surface corrosion and flaking paint. The forge is generally covered with grime and dust.

Further Information:

http://www.alldayspeacock.co.uk/about_us.php

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or

ATP S170 Register

hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 fix chimney; treat rust

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 299.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27a.

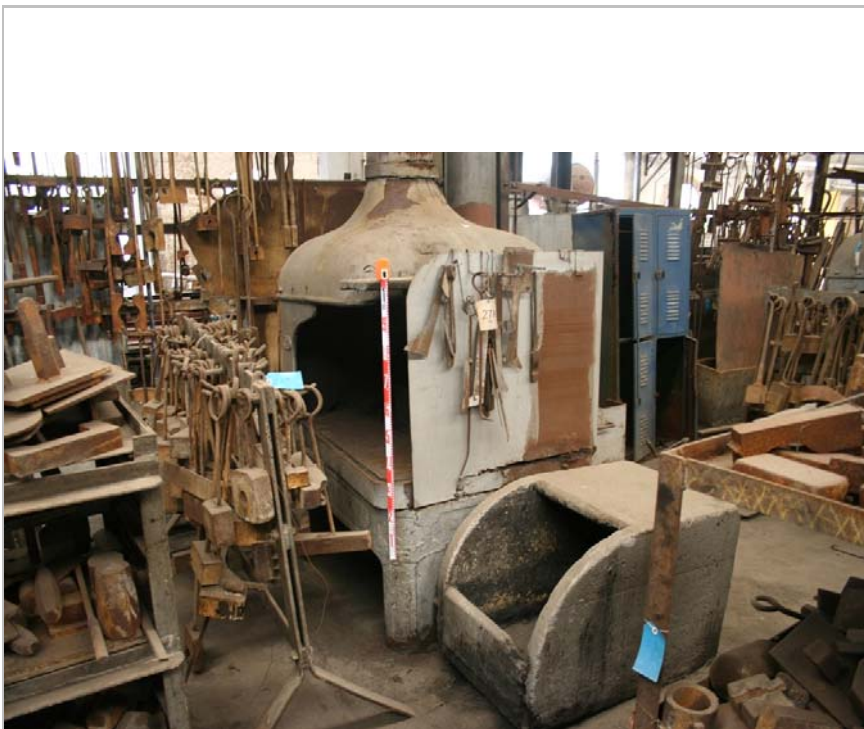
Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745357

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745357_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745357_1t.jpg

ATP S170 Register



File: 4745357_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745357_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 358	<i>Name:</i> Quenching Tank	<i>Location:</i> 2N 13W	
<i>Markings</i>	'+' (in yellow spray paint) // 'MCC / B SMITH' // 'CARLO'		

Description:

Unmarked, sheet metal tank with welded seams. There are two C-bar handles (40cm long, 7cm high) on the tank lid and three rods piercing through the tank, probably for resting tools or the work in progress. It is marked with a large + symbol and the text 'MCC / B SMITH'. The latter is painted over 'CARLO'. The tank is still filled with oil. It measures 124cm (L) x 94cm (W) x 99cm (H).

Significance:

This tank is representative of the quenching tanks which were located alongside each forge in the steam hammer shop. It demonstrates the skills of the workers on site and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the Quenching Tank is in sound condition although it bears minor surface corrosion and pitmarks on the lid. It is generally covered with grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 drain tank / remove oil

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 380.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745358

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745358_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745358_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 359	<i>Name:</i> Remnant Track	<i>Location:</i> 2N 13W	
<i>Markings</i>	'BHP SA 6 3'		

Description:

Track with carriage mount for unidentified tool or machine. The track is comprised of two cast-iron C-section beams bolted together with additional block bracing on the track side. The track is welded to C-section struts with shorn ends. It measures 430cm (L) x 19cm (W) x 20cm (H).

Significance:

To be assessed following further investigation of this item's history and provenance to Eveleigh. If its function and position in the Workshops cannot be accurately established it may be disposed of.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this track is unknown but it was likely to have been made on site.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the Remnant Track is in sound condition. It bears minor surface corrosion and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Investigate original use/location

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 381.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745359

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745359_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745359_2t.jpg



File: 4745359_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745359_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 360	<i>Name:</i> Buckets of tools (4)	<i>Location:</i> 2N 13E	
<i>Markings</i>	'ARDROX / 600 / GENERAL PURPOSE DETERGENT'		
<i>Other ID nos</i>	ATP436.		

Description:

Four metal buckets or tins adjacent to Rack 26. One is marked 'ARDROX / 600 GENERAL PURPOSE DETERGENT'. More than 60 pincers, rods, paddles, large spanners, ring spanners and other tools are stored in the buckets.

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production in the decades prior to closure.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the tool buckets is unknown but they are likely to date the last decades of the workshops' operation. The tools themselves are probably older.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the buckets and tools are in sound condition, although they are buckled and worn with use. They bear minor surface corrosion. The rubber hose handles are deteriorated.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 388.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745360

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic

ATP S170 Register



File: 4745360_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745360_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 361	<i>Name:</i> Stand	<i>Location:</i> 2N 13E	

Description:

A stand on heavy cast iron base (17x22x10cm) with an angled recess underneath. The central pole (58cm high) is topped with a bullnose-shaped finial. A 2cm diameter rod with an indented tip is clamped to the pole. It is painted black and measures 22cm (L) x 17cm (W) x 82cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the stand is unknown but it was probably shop built. Its purpose and age are unknown.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the stand is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 389.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745361

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745361_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745361_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 362	<i>Name:</i> Rack	<i>Location:</i> 2N 13E	

Description:

Welded wrought-iron rack comprised of a rectangular frame with four rectangular bars across the top. A T-bar bracket currently swings from one end. It measures 87cm (L) x 48cm (W) x 36cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this rack is unknown, but it is likely to have been shop built and was probably used to hold a toolbox, tank or to rest tools.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack is in good condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 390.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745362

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745362_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745362_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 363	<i>Name:</i> Two buckets of tools	<i>Location:</i> 2N 13EC	
<i>Markings</i>	'Sachishiko Chlorine'		

Description:

Four metal buckets or tins (one white, one blue) adjacent to southern end of Rack 26. One is marked 'Sachishiko Chlorine'. More than 30 large spanners, rods, swage blocks, paddles and other tools and items are stored in the buckets.

Significance:

This collection is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the tool buckets is unknown but they are likely to date the last decades of the workshops' operation. The tools themselves are probably older.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the buckets and tools are in sound condition, although they are buckled and worn with use. They bear minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 391.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745363

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745363_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745363_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 364	<i>Name:</i> Rack of tools between columns (Rack L)	<i>Location:</i> 2N 14E	
<i>Other ID nos</i> 1996 inventory no: 34I. ATP429.			

Description:

Four-bar tool rack with splayed feet fixed to vertical iron bars running along the centre line of the cast-iron columns. There are four double straps. Altogether the rack holds 5 pincers, 104 swage blocks, 14 hammer blocks, 3 templates and 4 miscellaneous items. In addition there are approximately 12 tools and miscellaneous scrap metal sheeting in and on the adjacent quenching tank.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They were in active use until the closure of the shops in 1988.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

The rack is in good condition, although some of the bars have buckled with use. The rack bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 34I.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 234.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745364

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745364.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745364t.jpg

ATP S170 Register

SHI No.: 4745 365	Name: Toolbox	Location: 2N 14W	
Other ID nos 1996 inventory no: 37h.			

Description:

Metal tool box with large padlock latch. It measures 107cm (L) x 44cm (W) x 32cm (H).

Significance:

This tool box is typical of those used in the Blacksmith's Shop throughout the 20th century and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the tool box is in sound condition although it is buckled and worn with use.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37h.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 267.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745365

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745365.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745365t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 366	<i>Name:</i> Portable Tool Rack	<i>Location:</i> 2N 14W	
<i>Other ID nos</i> 1996 inventory no: 36b. ATP419.			

Description:

Small cast-iron tool rack with 4 shelves, measuring L117cm xW48cm x H100cm. The rack is constructed with angle-iron uprights welded to cast-iron trays with H3.5cm lips. It rests on castors which are bolted into place. The rack currently holds approximately 30 templates, bore or drill heads, rods and pins and two galvanised steel trays (35x35x7cm) with spanners, pins, braces and a steel brush.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 278.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745366

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745366.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745366t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 367	<i>Name:</i> Blacksmith's Forge No. 30 and Coke bin	<i>Location:</i> 2N 14W	
<i>Markings</i>	[Obscured: probably William Alldays] NSWTD / FB30 / SO [...]		
<i>Other ID nos</i>	1996 inventory no: 27g. ATP416.		

Description:

The Forge consists of a cast-iron frame (130x120cm) with firepan, a hood above, and a backplate (60cmH) with water-cooled tuyeres. The hood is bolted to a vertical chimney stack which passes through the roof of the workshop to provide natural ventilation. Additional steel-plate sheathing panels have been fitted to the western and southern sides to contain the heat. The northern guard is painted black and brown and marked with chalk graffiti. The base has been enclosed. Firebricks remain in situ on the firepan. A cast concrete coke bin (90x60x66cm) sits on the eastern side of the forge, an in situ quenching tank to the west and motor (possibly unrelated to the forge) to the north. A small collection of patterns and tools lie on top of the coke bin. The forge is painted grey. The forge measures 130cm (L) x 120cm (W) x 140cm (H to the base of the hood; 190cm H to the base of the chimney).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of 8 of the original 20 cast iron blacksmith forges surviving in Bay 2 North of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. They were used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the steam hammers. They used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge. Originally they were connected to a low pitched sheet metal flue which ran the length of the bay at a height of about 3-4 metres above the ground and was supplied by two stacks which passed through the roof of the bay (GML 1996). Photographic evidence suggests that the single, forge-to-roof stacks were in place by the 1920s. The forges were all connected to the subfloor high-volume, low-pressure air lines supplied by the Rootes blowers located at the south end of Bay 1.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display *Modification(s):* Flue reconfigured in the 1920s; sheathed to retain heat.

Former Uses: Workshop Machinery

Physical Condition:

Overall this Forge is in sound condition, however there is crack in the iron base which was probably caused by decades-old modifications. The fireplate, hood and chimney are sound. The ashpan is missing.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any

ATP S170 Register

exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 293.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 27g.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745367

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745367_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745367_1t.jpg

ATP S170 Register



File: 4745367_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745367_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 368	<i>Name:</i> Machining Table for Wadkin Router	<i>Location:</i> 2N 14W	

Description:

Unmarked cast-iron pedestal table with central pivot, a working bed (87x80cm) fixed two rails and handles for geared rotation. It measures 175cm (L) x 87cm (W) x 91cm (H). The table rested on the geared track at the front of the Wadkin Router.

Significance:

This item is a component of the Wadkin Router and has no individual heritage significance. As the Wadkin Router is recommended for disposal this item should be disposed to the same location.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The specific history of this item is unknown. It is probably the table for the Wadkin Router (Item No. 4745145), although no record was made of it at the time of the 1996 inventory.

Current Use: Display

Former Uses: Workshop machinery

Physical Condition:

Overall the Table is in sound condition and is propped up on a timber plinth. It bears minor surface corrosion and is generally covered with grime and dust.

Further Information:

A Wadkin bandsaw was recorded in the Pattern Shop in 1986 and recommended for conservation (Godden 1986: 25).

Recommended Management:

Reattach to Wadkin Router

Specific Recommendations:

- 1 Confirm provenance to Item 145 and manage accordingly.

References:

Godden 1986 , .

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 322.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 26 Aug 2008

Status: Basic

ATP S170 Register



File: 4745368_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745368_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 369	<i>Name:</i> Steel cabinet for the Whitham Spring Coiler	<i>Location:</i> 2N 14E	
<i>Other ID nos</i>	ATP576.		

Description:

Scratch built two-door cabinet set on short angle-iron legs with three internal shelves and a makeshift stand. There are circular hooks welded on top to allow lifting by crane. The cupboard is painted silver and there are calculations in yellow paint on the inner door. The cupboard measures 154cm (L) x 45cm (W) x 195cm (H). Over 500 individual items are stored on the shelves, including, top shelf: 30 misc tools; 2nd shelf, upper stand: 8 spanners, 17 rings on a wire loop, 6 misc tools, 1 box of Bremick fasteners (est. 100 small bolts); lower stand: galvanised steel tray of approximately 50 nuts, bolts and end plugs, 20 large spanners, 4 ratchets, 6 misc tools; 3rd shelf: galvanised steel tray of approximately 50 nuts, bolts and miscellaneous items, 2 spring coils (one tagged 'set 5, 10/10/77'), 50 nuts and bolts, a small paint tin with 12 items, a gear; bottom shelf: 9 gears, blue plastic tub with approximately 100 nuts, bolts, clamps and a spanner, and a galvanised steel tray of approximately 50 brackets, bolts and other items. .

Significance:

The item is an integral part of the Spring Shop assemblage and is typical of the shop-built racks, shelves and cabinets made from scrap metal components to store tools and working equipment throughout the workshops. The item assists in understanding the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this cabinet is unknown but it was probably built on-site. While it may have been built as a general purpose cupboard, it is believed to have been last used to store tools and parts for the Whitham Spring Coiler.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop table

Physical Condition:

Overall the cupboard is in good condition. It bears minor surface corrosion.

Further Information:

This item was first recorded in 2008. it bears a green tag marked "Goes with 125".

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Consider moving to 10N with the spring coiler

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 376.

ATP S170 Register

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745369
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic



File: 4745369_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08


Thumbnail: 4745369_1t.jpg

ATP S170 Register



File: 4745369_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745369_2t.jpg

ATP S170 Register

SHI No.: 4745 370	Name: Lockers	Location: 2N 14E	

Description:

Set of three blue lockers with sloping roof and T-bar locks. The lockers currently hold paint tins, jars, light globes and vacuum cleaner components. They measure 132cm (L) x 47cm (W) x 210cm (H).

Significance:

These lockers are later items in poor condition. Better examples are retained within the collection. This item is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The specific history of these lockers is unknown, but they have probably been in use in some part of the workshops since the early 20th century. Lockers of this style appear in photographs of Bay 2 north thought to date to the 1920s (State Records B28314).

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the Lockers are in sound condition for their age. They display evidence of heavy use: the locks are broken, the doors are buckled and the paintwork scratched.

Recommended Management:

Archivally record and dispose.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 386.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745370_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745370_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 371	<i>Name:</i> Toolbox	<i>Location:</i> 2N 14E	
------------------------------------	--------------------------------	-----------------------------------	---

Description:

Older-style sheet-metal toolbox with hinged latch for padlock. Two fullers and one swage block currently rest on top. It measures 94cm (L) x 38cm (W) x 30cm (H).

Significance:

This tool box is typical of those used in the Blacksmith's Shop throughout the 20th century and contributes to the overall understanding of how the place operated during production.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this toolbox is unknown, but it has probably been in use in some part of the workshops since at least the early 20th century.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the toolbox is in sound condition, although it is worn with use. The latch is missing and holes have been cut in the front right corner and the top lid.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 387.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745371

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745371_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745371_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 372	<i>Name:</i> Collection of tools on top of workbench	<i>Location:</i> 2N 14E	
<i>Markings</i>	'NSWTD'		

Description:

Collection of approximately 50 swages, fullers, spanners (some marked 'NSWTD', architectural fittings, safety rails, timber scraps, aluminium bullets, lamps and cast-iron bases.

Significance:

This collection is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The histories of these individual items are unknown, but they were moved to workbench no. 39 after 1995.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the tools are in sound condition. Most bear minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

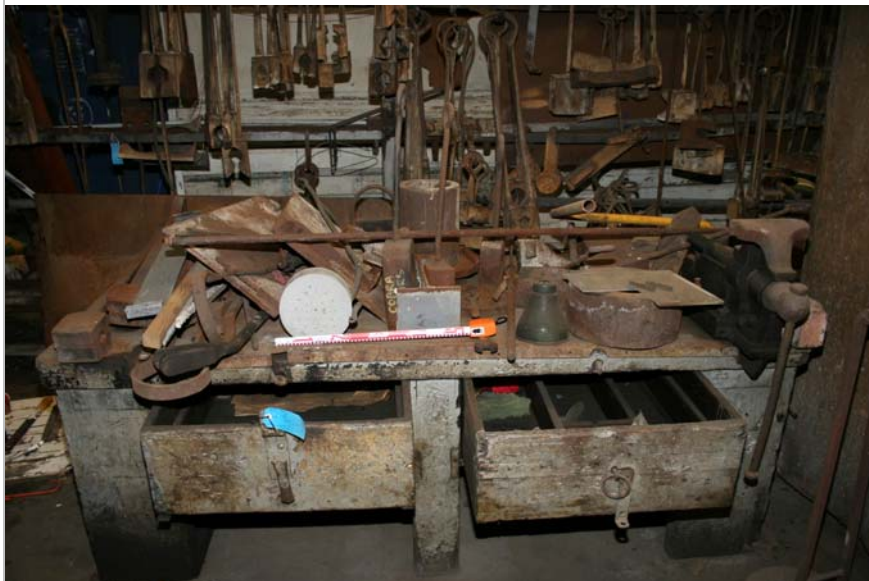
- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 406.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745372

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745372_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745372_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 373	<i>Name:</i> Sump tank with drill bits	<i>Location:</i> 2N 14W		
<i>Other ID nos</i>	ATP417, 437.			

Description:

Sump tank with approximately 200 drills bits for routing. In addition, there is a separate tank or guard with bolts, rings and other parts to fit to an unidentified machine.

Significance:

This collection of tools is believed to be an integral component of the Wadkin assemblage. This item should be disposed of with the Wadkin Router and components.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of this item is unknown, but it is likely to be associated with the Wadkin Router.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the tank in poor condition, being heavily buckled. The drill bits are in sound condition and some retained lubrication.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 412.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745373_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745373_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 374	<i>Name:</i> Collection of patterns and miscellaneous items	<i>Location:</i> 2N 14W	

Description:

Small pile of items on firebox for FR30, including: 14 timber pattern blocks, nine cast iron blocks, plates and hooks; and a copper alloy plate with various impressions.

Significance:

Individually, these items are representative of a range of tools and equipment and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this collection is unknown but they appear to have been accumulated since 1995.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall this collection is sound.

Recommended Management:

This collection should be researched and relocated to more appropriate storage.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 413.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745374

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745374_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745374_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 375	<i>Name:</i> Crompton Parkinson motor	<i>Location:</i> 2N 14W	
<i>Markings</i>	'CROMPTON PARKINSON MOTOR // Made in Australia // Noyes Bros. Pty.Ltd. //MCNo. FK5D4[5700]'		

Description:

Small Crompton Parkinson motor resting on toolbox 37H. It is bolted to two cast-iron rails. It measures 40cm (L) x 23cm (W) x 26cm (H).

Significance:

This motor is typical of those used to power machinery throughout the workshops following the transition from steam power. There is no evidence for its association with any particular machine. It is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

This motor was manufactured by Crompton Parkinson Australia. The history of its use within the workshops is unknown.

Designer/Builder: Crompton Parkinson

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the motor is in sound condition.

Recommended Management:

Archivally record and dispose.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 414.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745375_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745375_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 377	<i>Name:</i> Tool bench for dies	<i>Location:</i> 2N 10W	
<i>Other ID nos</i> 1996 inventory no: 37g. ATP409.			

Description:

Trapezoidal rack with three shelves cut from holey floor plate and a cast-iron catch tray at base. There are two short rods or tool rests protruding from one side. It measures 108cm (L) x 94cm (W) x 134cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it was produced in the workshops. It was last used in Bay 2 north along with several other racks to hold dyes, moulds and templates required for working the steam hammers and forging equipment.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37g.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 268.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745377

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745377_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745377_1t.jpg



File: 4745377_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745377_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 378	<i>Name:</i> Tool shelf	<i>Location:</i> 2N 10E	
<i>Other ID nos</i> 1996 inventory no: 37f. ATP460.			

Description:

Scratch-built shelving unit with four shelves fabricated from angle iron and sheet metal. It currently holds about 30-40 fullers, 20 cases and 20-30 other tools. Painted grey. It measures 137cm (L) x 46cm (W) x 105cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it was produced in the workshops. It was last used in Bay 2 north along with several other racks to hold dyes, moulds and templates required for working the steam hammers and forging equipment.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37f.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 269.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745378

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register




File: 4745378_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745378_1t.jpg



File: 4745378_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745378_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 379	<i>Name:</i> Tool shelf for dies	<i>Location:</i> 2N 14E	
<i>Other ID nos</i>	1996 inventory no: 37b.		

Description:

Three-tier shelf unit for tools. Cast-iron, welded- plate construction with two additional braces at each end. The unit is painted grey. It currently holds over 300 items of tooling.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it was produced in the workshops. It was last used in Bay 2 north along with several other racks to hold dyes, moulds and templates required for working the steam hammers and forging equipment.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the bench is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 273.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745379

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745379.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745379t.jpg

ATP S170 Register

SHI No.:	Name:	Location:
4745 380	Tool bench for dies (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 37a.

Description:

NA (disposed)

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance:

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 2N 15

Recommended Management:

remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 381	<i>Name:</i> Portable tool rack	<i>Location:</i> 2N 12E	
<i>Other ID nos</i> 1996 inventory no: 36d. ATP439.			

Description:

Cast-iron tool rack measuring 136cm (L) x 76cm (W) x 146cm (H) bolted to a section of holey cast-iron floor plate. The construction comprises 3 plate bars (8cm high) bolted between two pairs of upright bars with splayed feet. Painted grey. Ten roughly-forged double hooks are fitted to the upper bar. The rack currently holds 59 pincers, swages and dies.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is believed to be one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation. Racks similar to this appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680).

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 280.

Listings:

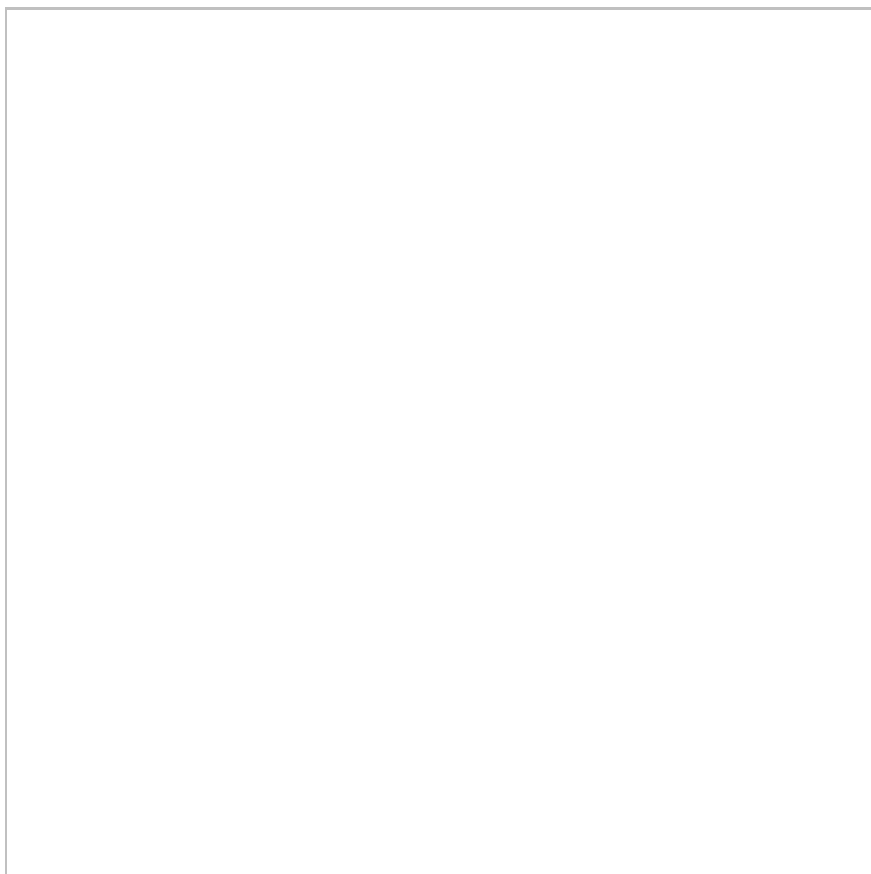
- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745381

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 29 Aug 2008

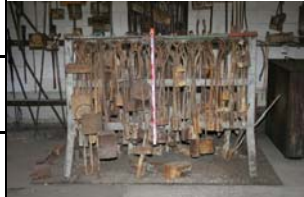
Status: Basic

ATP S170 Register



File: 4745381.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745381t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 382	<i>Name:</i> Portable tool rack	<i>Location:</i> 2N 13W	
<i>Other ID nos</i>	1996 inventory no: 36e.		

Description:

Cast-iron tool rack measuring 182cm (L) x 83cm (W) x 134cm (H) bolted to a section of holey cast-iron floor plate. The construction comprises 3 plate bars bolted between two pairs of upright bars with splayed feet. Painted grey. Twelve roughly-forged double hooks and four single hooks are fitted to the upper bar. The rack currently holds 105 swages, dies and other tools. In addition, 10 tools lie around the base of the rack. Wire has been looped around the hooked tools to keep them in place.

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

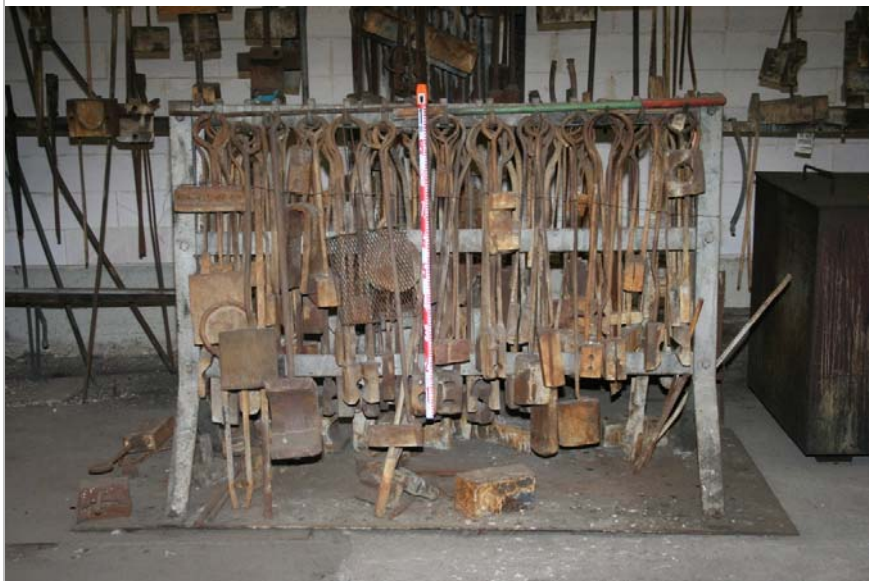
- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36e.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 281.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745382

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 29 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745382.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745382t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 383	<i>Name:</i> Tool Rack	<i>Location:</i> 2N 15W	
<i>Other ID nos</i>	1996 inventory no: 36h.		

Description:

A-frame rack with bull-nose lozenge-shaped outer guards. The rack currently holds piping, tools, rods and a timber work bench with black legs (280cm L x 20cm W x 50cm H). The rack measures 330cm (L) x 93cm (W) x 130cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines. The collection of tools is representative of the range of tools used in the workshops and assists in the understanding of their overall function and operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

The tool rack is in a sound condition. It bears some surface corrosion, and is generally covered in grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 36h.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 284.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745383

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 29 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745383.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745383t.jpg

ATP S170 Register

SHI No.:	Name:	Location:
4745 387	Tool racks non fixed (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 36l.

Description:
NA (disposed)

Significance:

Item not located - originally identified in 1996 study. Presume disposed or renumbered within the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation.

Designer/Builder: Eveleigh

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 2N 15

Recommended Management:

remove from list

ATP S170 Register

SHI No.:	Name:	Location:
4745 389	Tool racks non fixed (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 36n.

Description:
NA (disposed)

Significance:

Item not located - originally identified in 1996 study. Presume disposed or renumbered within the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation.

Designer/Builder: Eveleigh

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 2N 15

Recommended Management:

remove from list

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 390	Tool racks non fixed (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 36o.

Description:
NA (disposed)

Significance:
Item not located - originally identified in 1996 study. Presume disposed or renumbered within the collection.

Assessed Significance: *Endorsed Significance:*

Historical Notes:
The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation.

Designer/Builder: Eveleigh

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:
NA (disposed)

Further Information:
Unable to locate in March 2008: presume disposed. Last known location (1996): 2N 15

Recommended Management:
remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.:	Name:	Location:
4745 391	Tool racks non fixed (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 36p.

Description:
NA (disposed)

Significance:

Item not located - originally identified in 1996 study. Presume disposed or renumbered within the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The specific history of this item is unknown, but it is typical of the range of tools which were used throughout the Blacksmith's shop during its operation.

Designer/Builder: Eveleigh

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)


Further Information:

Unable to locate in March 2008: presume disposed. Last known location (1996): 2N 15

Recommended Management:

remove from list

ATP S170 Register

SHI No.: 4745 392	Name: Robinson Chisel Mortiser	Location: 2N 15C	
Markings	'T. ROBINSON & SON LTD // ROCHDALE . ENGLAND' 'N.S.W. // C.14/1. // T.D.' 'Australian Electrical Industries Fuse Box—Fuse 14'		
Other ID nos	1996 inventory no: 220. ATP424. SRA8685.		

Description:

This machine is believed to be a chisel mortiser, for cutting mortises into timber. It is a twin-headed machine bolted to cast-iron bed. It has two vertically mounted chucks or milling heads that could be dropped down to a now-missing work table bolted to the front of the machine. One chuck is believed to have held the mortiser bit, while the other chuck was used for drilling.

Painted grey-green. It measures 220cm (L) x 160cm (W) x 283cm (H). The bed is 170cm (L) x 111cm (w) x 8cm (H).

Significance:

Further research required. Provenance to Eveleigh not established. As it is a piece of woodworking machinery, it was likely relocated from the Carriage Workshops and is recommended for return to that site and removal from the ATP collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

This machine was made by T. Robinson & Son Ltd, Rochdale, England, manufacturers of wood-working and flour-milling machinery. They became a limited liability company in 1880 and had offices in Sydney at the turn of the century. It is likely that the machine was fabricated around the turn of the 20th century, but it may not have been purchased for use at Eveleigh. Its Transport Department (1932-72) nameplate is marked C.14/1 which is inconsistent with the numbering for other Eveleigh items. If it was associated with Eveleigh it would have been used in the Pattern Shop at the Locomotive Workshops or in the Carriage Workshops.

Designer/Builder: T. Robinson & Son Ltd

Current Use: Display **Modification(s):** electrified

Former Uses: Workshop Machinery

Physical Condition:

Overall the machine is in sound condition. It bears minor surface corrosion and flaking paint and is generally covered with grime and dust and bird droppings.

Further Information:

A cross-cut saw and planing machine from Bay 19N and a box-frame saw (Bay 20N) made by T Robinson were recommended for conservation in 1986 (Godden 1986: 29).

Recommended Management:

Further research required. If this proves to be a woodworking machine from the Pattern Shop, the machine should be retained to interpret that aspect of the site's history. If good provenance cannot be established the item may be disposed of.

Specific Recommendations:

- 1 Confirm provenance. Deaccession if not Eveleigh machine; OR consider using as part of pattern shop interpretation.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 317.

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 22 Aug 2008 Status: Basic

ATP S170 Register



File: 4745392_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745392_1t.jpg



File: 4745392_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745392_2t.jpg

ATP S170 Register



File: 4745392_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745392_3t.jpg



File: 4745392_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745392_4t.jpg

ATP S170 Register



File: 4745392_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745392_5t.jpg



File: 4745392_6.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745392_6t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 393	<i>Name:</i> Portable Welder	<i>Location:</i> 2N 15E	
<i>Markings</i>	'THE LINCOLN ELECTRIC COMPANY / LINE-WELD / AUTOMATIC CONTROLLER' 'NSWTD / Q4219 / SO 28594'. 'Q4219' (hand-written)		
<i>Other ID nos</i>	ATP527.		

Description:

Cylindrical tank with welding control box on top, fitted to a small cart with steel wheels and a T-bar hand. It measures 170cm (L) x 51cm (W) x 110cm (H).

Significance:

This item is typical of welders which were used at Eveleigh during the 20th century. It assists in the understanding of the operation of the workshops however its specific provenance is not known.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item and its use in the Eveleigh workshops is unknown. The control box was made by the Lincoln Electric Company established in 1895.

Designer: The Lincoln Electric Company

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Portable Welder is in poor condition. The open cast iron wheels are embedded in the gravel and concrete floor. The metal sheet casing on the cylinder is buckled and sprung off. It is covered in bird droppings.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Specific Recommendations:

- 1 Move to a firm concrete surface or prop up the wheels on timber plinths
- 2 investigate provenance

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 375.

ATP S170 Register

Listings:

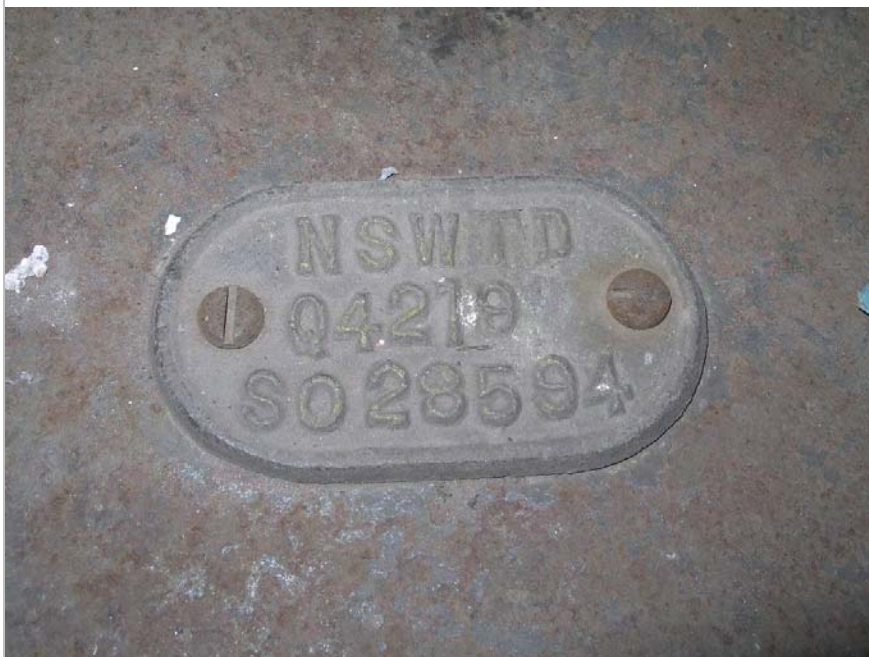
- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745393

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic



File: 4745393_1.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745393_1t.jpg

ATP S170 Register



File: 4745393_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745393_2t.jpg

ATP S170 Register

SHI No.: 4745 394	Name: Pattern Rack and Patterns	Location: 2N 15C	
Markings	'NSWTD / SPRING PLANK' (pattern on east end). '6111 LUBRICATOR STEEL FOUNDRY ENGINE' (pattern on west end)		

Description:

Large timber rack with approximately 240 timber pattern moulds. The rack is constructed of 7x7cm timber uprights, comprising five divisions, with braced plywood shelves. The patterns are stacked on both faces of the rack. They are painted black, red, green, yellow, blue and many are painted or carved with their reference numbers. Eight tongs and 6 swage blocks are resting on the southern fact of the shelves. It measures 435cm (L) x 77cm (W) x 208cm (H). Several smaller patterns are also stored in the shed in Bay 1 N.

Significance:

These 240-odd timber patterns are a small sample of the thousands that were used in the Eveleigh foundry and stored in the Pattern Store. While they have been disassociated from the original sets with which they were to be used, they are the only surviving examples of this important element of Eveleigh's manufacturing operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

These patterns were salvaged from the Pattern Store in the early 1990s and are the only known patterns surviving from the thousands that were in use at Eveleigh. The history of the rack itself is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the Pattern Rack is in sound condition. It bears minor and is generally covered with grime and dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Return the tongs and swage blocks to the tool rack in this area
- 2 Protect from further damage by bird droppings by moving or covering the rack.

References:

Godden Mackay 1994, Conservation of the Machinery Relocated from the Wheelpress Shop to the Main Workshops Bay 4a Including Conservation of the Traverser. Client: Commercial Development and Asset Management Services Branch.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 377.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08 Reference Number: 4745394

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745394_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745394_1t.jpg



File: 4745394_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745394_2t.jpg

ATP S170 Register



File: 4745394_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745394_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 395	<i>Name:</i> Rack	<i>Location:</i> 2N 15C	
<i>Markings</i>	'NSW.G.' and 'WEST LUMBER AND STEEL'		
<i>Other ID nos</i>	ATP422.		

Description:

Steel rack comprised of six upright rail tracks with four steel tube bars supporting three steel plate shelves. There is cross bracing on the ends. There are no shelves on the top and two shelves are missing from the right. The rack measures 330cm (L) x 57cm (W) x 220cm (H) and currently holds more than 150 items including scrap metal and timber, coils, hoses, patterns and pipe fittings (see notes for details).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the rack is unknown, but it is believed to have been constructed on site.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack is in sound condition although it bears some surface corrosion and is generally covered in bird droppings. The majority of items on the rack is in a fair condition, but some more fragile pieces such as rubber hosing and fibre belts are decomposing.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 378.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745395

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745395_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745395_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 396	<i>Name:</i> Trolley	<i>Location:</i> 2N 15C	

Description:

Scratch-built four-wheeled trolley or cart with an angle-bar steel frame, metal-clad plywood timber base and red-painted tubular handles on both ends. The cast-iron wheels are cased with rubber tyres. It measures 150cm (L) x 70cm (W) x 100cm (H). A pile of decaying hose lengths are currently resting on the cart.

Significance:

This trolley is typical of shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown but it was probably built in-house and used to transport material, tools and parts around in the workshop.

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the Trolley is in sound condition, although the handles are buckled and cracked on the right end and the rubber tyres are decayed. It bears minor surface corrosion and is generally covered with grime and dust and bird droppings. The hose lengths which are currently resting on the cart are in an advanced state of decay.

Recommended Management:

Retain for interpretative use or archivally record and dispose.

Specific Recommendations:

- 1 remove hosing and clean
- 2 relocate

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 379.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745396

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745396_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745396_1t.jpg



File: 4745396_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745396_2t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 397	Stand of tools (portable) (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 100d.

Description:

NA (disposed)

Significance:

Item not located - originally identified in 1996 study. Presume disposed or renumbered within the collection.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 2S

Recommended Management:

remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 398	<i>Name:</i> Rack of tools between columns (Bay 2 South - Rack C)	<i>Location:</i> 2S 4E	
<i>Other ID nos</i>	1996 inventory no: 102c.		

Description:

Three level tool rack consisting of metal strips bolted together between columns, holding a variety of forging tools. One of 5 racks in Bay 2 South along the eastern side near the forges. This rack is located between columns 3 and 4 and contains approximately 40 tongs and fullers and approximately 15 hammers. These tools are still in use.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 243.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 102c.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745398

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745398.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745398t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 399	<i>Name:</i> Rack of tools between columns (Bay 2 South - Rack B)	<i>Location:</i> 2S 5E	
<i>Other ID nos</i>	1996 inventory no: 102b.		

Description:

Three level tool rack consisting of metal strips bolted together between columns, holding a variety of forging tools. One of 5 racks in Bay 2 South along the eastern side near the forges. This rack is located between column grid 4 and 5 and contains approximately 120 tongs and fullers and approximately 15 hammers. These tools are still in use.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 244.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 102b.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745399

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745399.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745399t.jpg

ATP S170 Register

SHI No.: 4745 401	Name: Stand of tools (portable)	Location: 2S 5W	
Other ID nos	1996 inventory no: 100c.		

Description:

Shop-built metal tool rack, designed to be relocated as required. Located near Column 5W (in 2008). Contains approximately 40 large tongs.

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 248.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 100c.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745401

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745401.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745401t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 402	<i>Name:</i> Stand of tools (portable)	<i>Location:</i> 2S 3C	
<i>Other ID nos</i> 1996 inventory no: 100b.			

Description:

Shop-built metal tool rack, designed to be relocated as required. Located near Column 3, in the middle of the bay (in 2008). Contains approximately 20 tongs.

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 249.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 100b.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745402

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745402.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745402t.jpg

ATP S170 Register

SHI No.: 4745 403	Name: Stand of tools (portable)	Location: 2S 4C	
Other ID nos	1996 inventory no: 100a.		

Description:

Shop-built metal tool rack, designed to be relocated as required. Located near Column 4, in the middle of the bay (in 2008). Contains approximately 40 tongs, 30 fullers and 50 handy blocks.

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 250.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 100a.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745403

Data Entry: Date First Entered: 8 Jan 1900 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745403.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745403t.jpg

ATP S170 Register

SHI No.:	Name:	Location:
4745 404	C36-class Boiler Header Tank	2S Annex

Description:

Header tank above boilers located in Bay 2 Annex.

Significance:

This item is an integral part of the C36-class Boiler assemblage.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1920

The specific history of this item is unknown but it would have been installed in the 1920s, contemporaneously with the boilers.

Current Use: Tank

Former Uses: Tank

Physical Condition:

Overall the Header Tank is in poor condition. The surface sheeting is badly corroded and the spring is open.

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Specific Recommendations:

- 1 Structural assessment of tank and roof; then repair and treat as required

Studies:


- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 448.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745404

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register

<i>SHI No.:</i> 4745 405	<i>Name:</i> Grinder	<i>Location:</i> 2S 2W	
<i>Markings</i>	'No. 4057 / NSWGR / Class G'		

Description:

Small two-wheel grinder with motor.

Significance:

This grinder is typical of the grinding machines used throughout the workshops in the 20th century. This example is not provenanced to any particular location within the Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this grinder is unknown. Its nameplate suggests that it was acquired prior to 1932 but there are no known records of it use at Eveleigh prior to 2008. It was probably electrified at a later date.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Overall the Grinder is in a good, operational condition. It bears minor surface corrosion and flaking paint and is generally covered with grime and dust.

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.
Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Specific Recommendations:

- 1 Investigate provenance

ATP S170 Register

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 461.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745405
-

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic



File: 4745405_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745405_1t.jpg

ATP S170 Register



File: 4745405_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745405_2t.jpg

ATP S170 Register

SHI No.: 4745 406	Name: Pilot arc welder	Location: 2S 2CW	
Other ID nos ATP021.			

Description:

Small block welder on shop-made cart, grey-painted. There are two welding contacts on front and a toolbox on the back. It measures 100cm (L) x 50cm (W) x 110cm (H).

Significance:

This item is typical of welders which were used at Eveleigh during the 20th century. It assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this welder is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the pilot arc welder is in a good, operational condition.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 investigate provenance

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 462.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745406

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 12 Aug 2008 Status: Basic

ATP S170 Register



File: 4745406_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745406_1t.jpg



File: 4745406_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745406_1t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 407	Small lathe (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 109b.

Description:

NA (disposed)

Significance:

Not located - presume disposed

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed. Last known location (1996): 3S

Recommended Management:

remove from list (not located - presume disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 408	<i>Name:</i> Anvils (4)	<i>Location:</i> 3S	
<i>Other ID nos</i>	1996 inventory no: 101b.		

Description:

Significance:

These items are typical of the anvils used throughout the Blacksmith shop. They have been relocated throughout the history of their use and are primarily important for their role in interpreting the function of the Blacksmith Shop.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This is one of several anvils used in the blacksmith's shop throughout all the years of its operation. It was probably cast in-house.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the anvils are in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 246.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 101b.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745408

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 29 Aug 2008


Status: Basic

ATP S170 Register



File: 4745408.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745408t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 410	<i>Name:</i> Frazing Wheel (disassembled)	<i>Location:</i> 2S 2CW	
<i>Markings</i>	'Crompton Parkinson' [on motor]		
<i>Other ID nos</i>	ATP77.		

Description:

Frazing wheel originally with two wheels. It is now disassembled and both wheels are missing. Guards have been removed from the south side. A 'Crompton Parkinson' motor is attached.

Significance:

This Disassembled Frazing Wheel is part of the blacksmith's shop assemblage. It is primarily significant as an example of shop-built auxiliary machines installed in the workshops in the early 20th century. It demonstrates the versatility of the workshops in the manufacture of tools and machines and assists in the understanding of the operation of the workshops.

Assessed Significance:

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown, but it was probably shop-built.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the frazing wheel is in poor condition being disassembled. The components are sound, however, and could be reassembled and the machine made operable again.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 467.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745410

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745410.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745410t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 411	<i>Name:</i> Bay 5 Turntable	<i>Location:</i> 5S Exterior	

Description:

Cast-iron circular turning table with rail-track guide in front of Bay 5. It measures 480cm (diameter). It has been built up inside a large bitumen speed bump and appears to be elevated from its original operating height.

Significance:

This item is a component of the Eveleigh Locomotive Workshops and assists in interpreting the historic operation of the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

A turntable is present on the 1924 plan of the workshops (OCP 2002: 39) in this location, outside Bay 5 (then Bay 4a) which was enclosed as part of the boiler shop in 1903. It was one of ten which flanked the south side of the workshop complex. All but two were removed in 1996 (Cserhalmi 2002: 40). It is most likely to have been built in the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the turntable is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretive purposes. It may be relocated to another position along the south side of the Loco Workshops if required but should be retained in a functional alignment with both the roadway and bay entrances.

Specific Recommendations:

- 1 Monitor

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 323.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745411

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register




File: 4745411_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745411_1t.jpg



File: 4745411_2.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745411_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 412	<i>Name:</i> Hoist	<i>Location:</i> 10N 1W	
<i>Markings</i>	'AIS KEMBLA 8 x 6'		

Description:

This small wall crane consists of a jib made from an AIS steel beam and a steel plate for the main brace. The crane is stayed against the northern-most cast iron columns in area 1 between Bays 10 and 11. Silver painted. It measures 590cm (L) x 30cm (W).

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was probably built on site. The beam was supplied by the Port Kembla works of Australian Iron & Steel Limited (AIS) which was formed in 1928.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 349.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745412

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745412_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745412_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 413	<i>Name:</i> Hoist	<i>Location:</i> 10N 3W	

Description:

This small wall crane consists of a jib made from a steel beam and a steel plate for the main brace. The crane is stayed against the northern-most cast iron columns in area 3 between Bays 10 and 11 and spans both columns. Silver painted. It measures 530cm (L) x 30cm (W).

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was probably built on site.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 348.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745413

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008


Status: Basic

ATP S170 Register



File: 4745413_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745413_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 414	<i>Name:</i> Hoist	<i>Location:</i> 10N 6W	
<i>Markings</i>	'BHP'		

Description:

This small wall crane consists of a jib made from a BHP steel beam and a steel plate for the main brace. The crane is stayed against the southern-most cast iron columns in area 6 between Bays 10 and 11 and spans both columns. Silver painted. It measures 620cm (L) x 30cm (W).

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was probably built on site. The beam was supplied by BHP.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Specific Recommendations:

- 1 investigate history

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 347.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745414

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008


Status: Basic

ATP S170 Register



File: 4745414_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745414_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 415	<i>Name:</i> 'Schedule' bin	<i>Location:</i> 10N 10E	
<i>Markings</i>	'SCHEDULE'		

Description:

Yellow sheet metal box with a flanged lip, drainage holes and reinforced base, stencilled 'Schedule' on the front and back. It has triangular lifting points and wire handles on its side. It measures 69cm (L) x 53cm (W) x 32cm (H).

Significance:

This item is typical of the scrap metal which were located throughout the workshops. It assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this item is unknown, but it may have been used to store drill bits for the BSA Centreless Grinder.

Current Use: Display

Former Uses: Workshop item

Physical Condition:

Overall the bin is in good condition although worn with use. It bears minor surface corrosion.

Further Information:

A tag on the bin is marked 'for Centreless Grinder bits'.

Recommended Management:

This item should be retained for interpretive purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Investigate whether this is associated with the centreless grinder (No. 130) and reinstate with that item or store elsewhere

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 346.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745415

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic

ATP S170 Register



File: 4745415_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745415_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 416	<i>Name:</i> Bolt Rack	<i>Location:</i> 10N 11W	
<i>Other ID nos</i> ATP334.			

Description:

A-frame or trapezoidal rack with four shelves supported by four pairs of 1.5cm diameter rods. T-bar hooks underlie each shelf providing 20 slots to hang bolts of two different sizes. The rack has two support hooks for lifting and is grey. Approximately 195 bolts and miscellaneous tools are currently stored on the rack, including 84 hanging and 76 loose bolts, in addition to 35 other tools, spanners, nuts and bolts in trays and boxes. It measures 153cm (L) x 68cm (W at base), 30cm (W at top shelf) x 107cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it is most likely to have been purpose built in the workshops. It may have been used in any of the bays. The bolts were slid into the grooves of the working beds of various machines to secure items being worked on into place.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the Bolt Rack is in sound condition, although localised structural corrosion is evident on the second shelf. It bears minor surface corrosion and is generally covered with grime and dust. It was moved to Bay 10 in 2004, but its original location is unknown.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 reinstate bolts into slots
- 2 treat rust

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 341.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745416

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic



File: 4745416_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745416_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 417	<i>Name:</i> Timber work bench	<i>Location:</i> 10N 11E	
------------------------------------	--	------------------------------------	---

Description:

Timber work bench constructed from four lengths of railway sleepers riveted to a central bar. It measures 400cm (L) x 90cm (W) x 60cm (H).

Significance:

This workbench is representative of the work benches which were located throughout the workshops. It demonstrates the skills of the workers on site and assists in the understanding of the operation of the workshops. It demonstrates the tendency to reuse materials within the workshop for other purposes when they have reached the end of their original useful life.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The timber bench is unmarked and its history of is unknown. It was first recorded in Bay 10 north in March 2008.

Current Use: Display

Former Uses: Workshop table

Physical Condition:

Overall the timber bench is in sound condition. The timber itself is worn, but stable and the rivets bears minor surface corrosion. There is sticky tar residue on one side of the bench.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Investigate history and provenance
- 2 remove from Bay 10N is found to be detracting from the display

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 342.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745417

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register




File: 4745417_1.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745417_1t.jpg



File: 4745417_2.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745417_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 418	<i>Name:</i> Hand Trolley	<i>Location:</i> 10N 11E	
<i>Other ID nos</i> ATP316.			

Description:

Timber framed upright trolley with metal lifting bed and wheels. The handles are painted black and red. The trolley measures 55cm (L) x 45cm (W) x 136cm (H).

Significance:

This trolley is typical of small shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this trolley is unknown, but it may have been used as a general purpose cart in any one of the workshop bays.

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the hand trolley is in good condition although it is worn with use. The metal components bear minor surface corrosion.

Recommended Management:

This item should be retained for interpretive purposes. It may be used to store loose tools.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 344.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745418


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745418_1.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745418_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 419	<i>Name:</i> Craven Overhead Travelling Crane L7	<i>Location:</i> 10N 11C	
<i>Markings</i>	'CRAVEN BROS LTD / LOAD 7 TONS' // 'L7' (on crane cab)		

Description:

Cast-iron riveted twin-beam overhead travelling crane spanning Bay 10. It has an upper carriage to hold the cable and motor for the hoist. A driver's cabin is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 3.4m wide. Its maker's plate had been removed.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This crane was manufactured by Craven Bros Ltd of Manchester, England. Its nameplate has been removed, but it may have been installed prior to the other crane in Bay 10 (formerly Bay 9), L13 which was built in 1909. If so, it may have been originally steam powered and converted to electricity at around this time. Bay 9 had two cranes to assist with the movement of bogeys (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Craven Bros Ltd

Current Use: Display

Modification(s): Electrified between 1901 and 1907

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L7 is in good condition. It bears minor surface corrosion and some graffiti on the cabin.

Further Information:

Original Heritage Item No: 219 (a single record for all 8 overhead cranes in Bays 7-16).

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

¹ Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 351.

Listings:

¹ *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745419

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745419_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745419_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 420	<i>Name:</i> Four wheel trolley cart	<i>Location:</i> 10N 11E	
<i>Markings</i>	'17-1' (on metal tag)		

Description:

Scratch-built, four-wheel trolley cart with two shelves and a handlebar at one end. Each shelf has a single drainage hole. There is a towing hook on the base and a catch on the front to attach to another trolley. It measures 125cm (L) x 60cm (W) x 90cm (H).

Significance:

This trolley is typical of small shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is unknown when this trolley was built, but it was most likely to have been fabricated in house. It would have been used to move materials and light loads within and around the workshops. Its bent and buckled surface suggests it may have been used to work small jobs.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the trolley cart is in sound condition. It bears minor surface corrosion, the paintwork is worn and the rubber tyres are decayed.

Recommended Management:

This item should be retained for interpretive purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 364.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745420

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745420_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745420_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 421	<i>Name:</i> TEO Trolley	<i>Location:</i> 10N 11E	
<i>Markings</i>	T.E.O.		

Description:

Small, yellow trolley cart marked 'TEO'. It has three wheels and a pull handle. It measures 115cm (L) x 72cm (W) x 38cm (H).

Significance:

This item has little significance in its own right but contributes to the understanding of the work practices in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of this item is unknown but it may have been used to transport small items of equipment or materials around the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the trolley is worn with use but in a sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Identify provenance of this cart

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 446.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745421

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745421_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745421_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 422	<i>Name:</i> Lockers	<i>Location:</i> 10N 12E	
<i>Markings</i>	'57', '58 / BEN', '59', '60'		

Description:

Set of four blue lockers, numbered 57 to 60. The set measures 123cm (L) x 183cm (W) x 86cm (H).

Significance:

This item is a part of the general assemblage of the Locomotive Workshops and contributes to the overall understanding of how the place operated during production in the decades prior to closure.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the lockers is unknown.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the lockers are in good condition.

Further Information:

Was lot 19 at auction.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 343.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745422

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745422_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745422_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 423	<i>Name:</i> Apprentices' Grinder	<i>Location:</i> 10N 12E	
<i>Markings</i>	'Made by apprentices at the / NSWRLYS Institute / Technical School / Strathfield'		
<i>Other ID nos</i>	ATP318.		

Description:

Scratch-built, electric powered dual grinder with integrated shields and work lights over the grinding wheels. Painted bridge grey. It measures 65cm (L) x 55cm (W) x 115cm (H).

Significance:

This grinder was not produced at Eveleigh and appears not to have been in use on site. It has no known significance to the Locomotive Workshops collection. Recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

This grinder was made by apprentices at the NSW Railways Institute Technical School in Strathfield. It is unknown when or where it was installed in the Eveleigh Workshops.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Grinder is in excellent condition despite minor surface corrosion to bare parts. Evidence of previous corrosion about the base of the cover has been treated and painted.

Recommended Management:

As this item is not from Eveleigh it should be disposed of.

Specific Recommendations:

- 1 research history

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 345.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745423_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745423_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 424	<i>Name:</i> Tool box	<i>Location:</i> 10N 12E	

Description:

Scratch-built toolbox made from sheet metal with a padlock latch at the front. It measures 92cm (L) x 44cm (W) x 46cm (H).

Significance:

This tool box is typical of those used throughout the Workshops throughout the 20th century and contributes to the overall understanding of how the place operated during production. Its value is primarily interpretive.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

It is unknown when this trolley was built, but it was most likely to have been fabricated in house and probably in the early- to mid-20th century. It may have been used in any of the workshops to store tools.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the tool box is in sound condition. It bears minor surface corrosion and the paintwork is worn.

Recommended Management:

This item should be retained for Interpretive purposes. It may be used to store loose tools.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 365.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745424

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 13 Aug 2008

Status: Basic

ATP S170 Register



File: 4745424_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745424_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 425	<i>Name:</i> Spring Shop Rack, Coils and Tools	<i>Location:</i> 10N 13E	
<i>Markings</i>	'930477/0[?]' (on southern cross brace)		
<i>Other ID nos</i>	1996 inventory no: 136c. ATP322.		

Description:

Rack with six shelves constructed of welded angle iron with two sets of cross braces at the side. The rack holds 210-250 tools and items, including 21 coils, 4 mandrels, 20 rubber wedges, a block & rod with tag: 'BSA 15 centreless grinder', guards tagged 'guard 4 13' and 'AH DIEHEAD', an oil can, sieve and two trays and tins with est. 20 parts each, among other miscellaneous items. The rack has been painted grey and measures 183cm (L) x 95cm (W) x 182cm (H).

Significance:

These coils and tools are an important component of the Spring Shop assemblage and assist in interpreting this aspect of manufacturing on site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the mandrel rack is unknown but it was probably made in house and possibly pre-dates World War I. It may have been used to store and organise machine tools from other shops, but in the 1980s was in use to store spring coils and other coiler tools. While many of these appear to have been left in situ, as assembled for their last use while operating the in workshops, additional items used in the conservation works on the machinery in Bay 10 have been accumulated at the rear of the rack.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack and associated items are in sound condition despite minor surface corrosion.

Further Information:

This rack is not labelled. Assigned to 136c in March 2008.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Return loose parts to relevant machines
- 2 Relocate conservation treatment tools to the lockers.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 337.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 136c.

ATP S170 Register

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745425

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745425.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745425t.jpg

ATP S170 Register

SHI No.: 4745 426	Name: Spring Shop Rack and Mandrels	Location: 10N 13E	
Other ID nos 1996 inventory no: 136b. ATP321.			

Description:

Rack with six shelves constructed of welded angle iron with two sets of cross braces at the side. The rack holds 16 spring-coiling mandrels. The rack has been painted grey and measures 184cm (L) x 95cm (W) x 182cm (H).

Significance:

These mandrels are an important component of the Spring Shop assemblage and assist in interpreting this aspect of manufacturing on site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the mandrel rack is unknown but it was probably made in house and possibly pre-dates World War I. It may have been used to store and organise machine tools from other shops, but in the 1980s was in use to store mandrels and other spring-coiling tools. These mandrels appear to have been left in situ, as assembled for their last use while operating the in workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack and mandrels are in sound condition despite minor surface corrosion.

Further Information:

This rack is not labelled. Assigned to 136d in March 2008.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 338.
- 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 136d.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745426

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 13 Aug 2008 Status: Basic

ATP S170 Register



File: 4745426.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745426t.jpg

ATP S170 Register

SHI No.: 4745 427	Name: Craven Brothers Traverser	Location: 10N 14-15	

Description:

Large timber platform with rail tracks (223cm long at each end) set at perpendicular angles to the wheel carriage. There are six wheels along the north and south flanks of the platform. The outer wheels are protected by sheet metal guards. A timber and corrugated iron operator's shed (440 x 210 cm) overlies two of the wheels on the north side and houses the engine. The traverser platform measures 1095cm (L) x 640cm (W) x 30cm (H; 95cm to the top of the wheel guard; and approximately 3m high including the shed). A battery frame, jack and cylinders are currently resting on the traverser.

Significance:

This Craven Brothers Traverser is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887 and is the only surviving traverser used in the Locomotive Workshops. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1887

This traverser is believed to be one of two 45-ton, steam traversers manufactured by Craven Brothers at the Vauxhall Ironworks, Manchester, England, and installed in the Locomotive Workshops when they were completed in 1887 (cf OCP 2002: 175). The traversers were powered by twin cylinder steam engines with their own small vertical boilers. Installed in the paint shop in Bay 14 (the other was in Bay 8), it was used to transfer locomotives from the rail tracks outside the workshops to the inside tracks. It ran on its own track perpendicular to the outside rails. In 1901 the traverser was relocated to the yard to the west of the workshops complex to simplify movement of locomotives between the loco shop and the Large Erecting Shop. It was converted to electricity in 1906. The traverser was restored in 2002 and the timber platform replaced (OCP 2002: 175).

Designer/Builder: Craven Brothers

Current Use: Display

Modification(s): Electrified in 1906

Former Uses: Workshop transport

Physical Condition:

Overall the Ground Traverser is in sound condition, however the operator's shed is in a poor state. Structural corrosion is evident on the sheeting, particularly on the western side, and requires stabilisation for both safety and conservation needs. The sheeting is otherwise buckled and the paintwork is deteriorating. The cast iron frame bears surface corrosion but is otherwise sound. The timber platform was replaced during conservation works and is in an excellent condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

1. repair shed sheeting; treat corrosion

ATP S170 Register

- 1
- 2 investigate battery frame and jack
- 3 remove rubbish

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 336.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745427
-

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic



File: 4745427_1.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745427_1t.jpg

ATP S170 Register



File: 4745427_2.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745427_2t.jpg



File: 4745427_3.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745427_3t.jpg

ATP S170 Register



File: 4745427_4.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745427_4t.jpg



items on traverser

File: 4745427_5.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745427_5t.jpg

ATP S170 Register



items on traverser

File: 4745427_6.JPG

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745427_6t.jpg



items on traverser

File: 4745427_7.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745427_7t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 428	<i>Name:</i> Wheel Trolley	<i>Location:</i> 10N 14W	
------------------------------------	--------------------------------------	------------------------------------	---

Description:

Rectangular cart of robust C-section-iron-bar construction, measuring 120cm (L) x 115cm (W) x 135cm (H). The tray measures 114cm (L) x 63cm (W) x 15cm (H) and supports two angled uprights 70cm (H) overlying two horizontal supports 52-55cm long. There is a 4cm diameter bore through the uprights to hold a central rod. The wheels are 7.5cm wide and have a 115mm girth.

Significance:

This trolley is typical of small shop-built trolleys which were used to transport materials throughout the workshops. It demonstrates the nature of work practices in the workshops and the challenges of working at a large site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this cart is unknown but it was probably shop made and appears to have been used to transport small wheels or other circular items suspended from the central uprights.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the Wheel Trolley is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Move to be in a functional relationship with more appropriate machinery

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 340.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745428

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745428_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745428_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 429	<i>Name:</i> Craven Overhead Travelling Crane L13	<i>Location:</i> 10N 14C	
<i>Markings</i>	'CRAVEN BROS LTD / 1909 MANCHESTER / 5 TONS // LOAD NOT TO EXCEED 5 TONS' (on both faces) // 'L.13' (on crane cab)		

Description:

Cast-iron riveted twin-beam overhead travelling crane spanning Bay 10. It has an upper carriage to hold the cable and motor for the hoist. A driver's cabin is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 3.4m wide.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1909

This crane was manufactured by Craven Bros Ltd of Manchester, England, in 1909 and is believed to have been installed in Bay 9 (now Bay 10) shortly afterwards. It was electrically powered when installed. Bay 9 had two cranes to assist with the movement of bogeys (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Craven Bros Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L13 is in good condition. It bears minor surface corrosion.

Further Information:

Original Heritage Item No: 219 (a single record for all 8 overhead cranes in Bays 7-16).

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 350.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745429

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745429_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745429_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 430	<i>Name:</i> British Electrical Vehicle (BEV)	<i>Location:</i> 10N 15W	
<i>Markings</i>	B.E.V.		
<i>Other ID nos</i>	ATP329.		

Description:

Small, four-wheeled electric trolley cart, painted maroon and cream. It has a chequer-plate top with angled braces across the centre and BHP-embossed brackets at the rear. The brackets appear to have been for mounting a rack or some other type of equipment to the vehicle. A padded seat for the operator, embossed 'NSW / GR' (in a circle), and timber platform is positioned at the front. The wheels have rubber tyres. 'B.E.V.' is embossed on the foot plate and a plate riveted to the gear box. The cart is currently connected to a power supply box for demonstration purposes. The BEV measures 310cm (L) x 97cm (W) x 120cm (H).

Significance:

This vehicle demonstrates the nature of work practices in the workshops and the challenges of working at a large site. It is the only vehicle of any type surviving within the collection.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The early history of this BEV is unknown but it was probably made in the 1920s or 1930s by British Electric Vehicles Ltd of Southport, Lancashire, or their successors Wingrove & Rogers Ltd of Kirkby, Liverpool, who took over in 1926. These small electrically motorised trolleys were used to carry light loads and raw materials around factories and industrial workplaces such as mines. They were used throughout the Eveleigh Workshops from the 1920s. This particular BEV was purchased at the auction which followed the closure of the works in 1988 and was restored then donated back to the ATP in the early 2000s.

Designer/Builder: British Electric Vehicles Ltd / Wingrove & Rogers Ltd

Current Use: Display *Modification(s):* Recently restored

Former Uses: Working machinery

Physical Condition:

Overall the BEV is in an excellent condition, however there are localised patches of active surface corrosion on the upper plates and tow bar. The rubber tyres are worn but in a stable condition.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 Treat surface rust and monitor

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 335.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08 Reference Number: 4745430

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic



File: 4745430_1.JPG


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745430_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 431	<i>Name:</i> Urinal	<i>Location:</i> 10S Exterior	
------------------------------------	-------------------------------	---	---

Description:

Concrete urinal with bullnose corners and cast-iron embossed panels at the sides. The drainage hole is on the eastern side. Silver painted. It measures 250cm (L) x 50cm (W) x 140cm (H).

Significance:

This item is a component of the Eveleigh Locomotive Workshops and assists in interpreting the historic operation of the site and the conditions of the workers.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Urinal is in sound condition. It bears minor surface corrosion and flaking paint.

Recommended Management:

Undertake routine maintenance in accordance with normal practice.

Specific Recommendations:

- 1 repaint, treat rust

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 325.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745431

Data Entry: *Date First Entered:* 8 Feb 2008

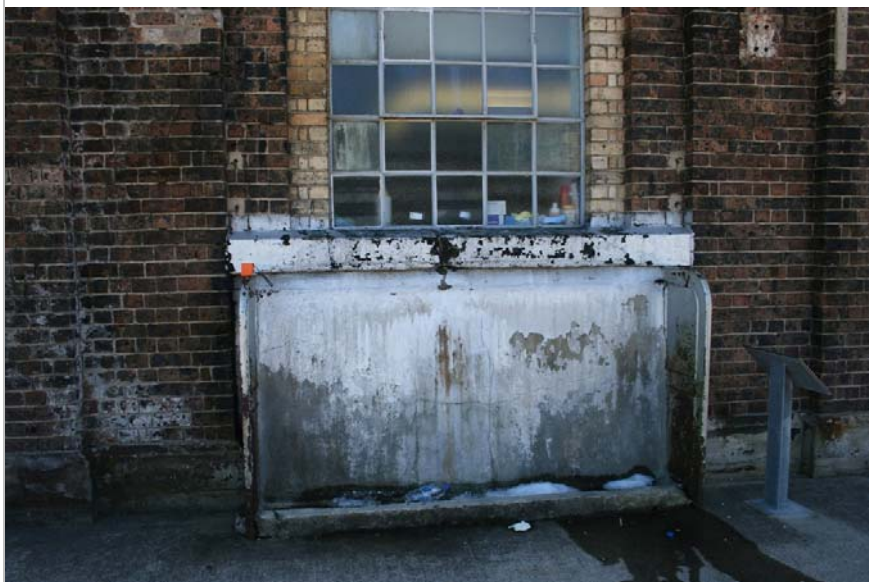
Date Updated: 13 Aug 2008

Status: Basic

ATP S170 Register




File: 4745431_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745431_1t.jpg



File: 4745431_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745431_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 432	<i>Name:</i> Rack associated with Tangye Wheel Lathe	<i>Location:</i> 10S 5E	

Description:

Scratch-built cabinet with two shelves, painted bridge grey. There is a loop on one end for holding a rod of unknown function. There are currently 12 chucks, an oil can and a metal tray on the top shelf, and 4 partial chucks, a large turn buckle and miscellaneous scrap metal are stored on the bottom shelf. The rack measures 105cm (L) x 60cm (W) x 84cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown, but it was probably built in house to hold tools for the Tangye Wheel Lathe.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the Rack is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 363.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745432

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register



File: 4745432_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745432_1t.jpg



File: 4745432_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745432_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 433	<i>Name:</i> Tool shelf	<i>Location:</i> 10S 6E	
<i>Other ID nos</i> 1996 inventory no: 37e.			

Description:

Scratch-built shelving unit with three shelves fabricated from angle iron and sheet metal. It currently holds a mix of drill bits, swage blocks and spanners. There are 48 tools on the top shelf (including swage blocks), 18 drill or router bits on the second shelf and ten miscellaneous metal scraps of metal (probably used as wedges), two large spanners and a wooden box on the third shelf. It measures 110cm (L) x 50cm (W) x 78cm (H).

Significance:

This item is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of this rack is unknown but it was produced in the workshops. It was last used in Bay 2 north along with several other racks to hold dyes, moulds and templates required for working the steam hammers and forging equipment.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Overall the rack is in sound condition. It bears minor surface corrosion.

Further Information:

This was originally recorded as a tool bench for dies.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Specific Recommendations:

- 1 return to bay 2N and if necessary replace with rack of more general function

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 37e.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 270.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08 Reference Number: 4745433

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745433_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745433_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 434	<i>Name:</i> Hoist	<i>Location:</i> 11N 10W	
------------------------------------	------------------------------	------------------------------------	---

Description:

This small wall crane consists of a jib made from a cast, double-sided rail or I-beam (7m long, 8cm wide) with an upturned tip and a rod of steel for the main brace. The crane is stayed against the southern-most columns in area 10 of Bay 11 and overhangs the span between the two columns. The brace is fitted to the top of the column. A small triangular, 3-wheel pulley carriage is in situ on the track. Painted silver.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

Column-mounted hoists of this style are visible in some of the earliest photographs of the workshop and are likely to have been installed when the workshops opened in 1887. They were probably cast in the Eveleigh foundry.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 354.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745434

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



looking west

File: 4745434_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745434_1t.jpg

ATP S170 Register

SHI No.: 4745 435	Name: Craven Overhead Travelling Crane L21	Location: 11N 11C	
Markings	'CRAVEN BROS / 5 TONS / 1884 / MANCHESTER' // 'L21' (on crane cab)		

Description:

Cast-iron riveted twin-beam overhead travelling crane with lattice girders spanning Bay 11. It has an upper carriage to hold the cable and motor for the hoist. A driver's cabin is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 3.2m wide.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1884-1887

This crane was manufactured by Craven Bros Ltd of Manchester, England, in 1884 and was one of the first cranes installed in the workshops. It was originally steam powered and converted to electricity between 1901 and 1907 (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Craven Bros Ltd

Current Use: Display

Modification(s): Converted to electricity between 1901 and 1907

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L21 is in good condition. It bears minor surface corrosion and flaking paint.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 352.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745435

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745435_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745435_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 436	<i>Name:</i> Hoist L241	<i>Location:</i> 11S 3W	
<i>Markings</i>	'LOAD NOT TO EXCEED 3 CWTS' (on beam) // 'L[2]41 LOAD NOT TO EXCEED 3 CWTS' (on sign fitted to western face)		

Description:

This small wall crane consists of a jib made from a cast, double-sided rail or I-beam (6.2m long, 8cm wide) with an upturned tip and a rod of steel for the main brace. The crane is stayed against the northern-most columns in area 3 of Bay 11 and spans the two columns. The brace is fitted to the top of the column. A small triangular, 3-wheel pulley carriage is in situ on the track. Painted silver.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

Column-mounted hoists of this style are visible in some of the earliest photographs of the workshop and are likely to have been installed when the workshops opened in 1887. They were probably cast in the Eveleigh foundry.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 358.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745436

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745436_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745436_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 437	<i>Name:</i> Hoist L254	<i>Location:</i> 11S 4W	
<i>Markings</i>	'LOAD NOT TO EXCEED 3 CWTS' (on beam) // 'L254 LOAD NOT TO EXCEED 3 CWTS' (on sign fitted to western face)		

Description:

This small wall crane consists of a jib made from a cast, double-sided rail or I-beam (6.8m long, 8cm wide) with an upturned tip and a rod of steel for the main brace. The crane is stayed against the northern-most columns in area 4 of Bay 11 and spans the two columns. The brace is fitted to the top of the column. A single-wheel pulley carriage with hook is in situ on the track. Painted silver.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

Column-mounted hoists of this style are visible in some of the earliest photographs of the workshop and are likely to have been installed when the workshops opened in 1887. They were probably cast in the Eveleigh foundry.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 356.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745437

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745437_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745437_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 438	<i>Name:</i> Hoist L255	<i>Location:</i> 11S 5W	
<i>Markings</i>	'LOAD NOT TO EXCEED 3 CWTS' (on beam) // 'L255 LOAD NOT TO EXCEED 3 CWTS' (on sign fitted to western face)		

Description:

This small wall crane consists of a jib made from a cast, double-sided rail or I-beam (6m long, 8cm wide) with an upturned tip and a rod of steel for the main brace. The crane is stayed against the northern-most columns in area 5 of Bay 11 and spans the two columns. The brace is fitted to the top of the column. A single-wheel pulley carriage with hook is in situ on the track. Painted silver.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1887

Column-mounted hoists of this style are visible in some of the earliest photographs of the workshop and are likely to have been installed when the workshops opened in 1887. They were probably cast in the Eveleigh foundry.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 355.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745438

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008


Status: Basic

ATP S170 Register



File: 4745438_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745438_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 439	<i>Name:</i> Craven Overhead Travelling Crane L14	<i>Location:</i> 11S 6C	
<i>Markings</i>	'CRAVEN BROS / 5 TONS / 1884 / MANCHESTER' // 'L14' (on crane cab)		

Description:

Cast-iron riveted twin-beam overhead travelling crane with lattice girders spanning Bay 11. It has an upper carriage to hold the cable and motor for the hoist. A driver's cabin is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1884-1887

This crane was manufactured by Craven Bros Ltd of Manchester, England, in 1884 and was one of the first cranes installed in the workshops. It was originally steam powered and converted to electricity between 1901 and 1907 (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Craven Bros Ltd

Current Use: Display

Modification(s): Converted to electricity between 1901 and 1907

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L14 is in good condition. It bears minor surface corrosion and flaking paint.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 353.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745439

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745439_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745439_1t.jpg



File: 4745439_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745439_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 440	<i>Name:</i> Babcock & Wilcox Overhead Travelling Crane L16	<i>Location:</i> 12N 15C	
<i>Markings</i>	'BABCOCK & WILCOX LTD / MAKERS LONDON & RENFREW / LOAD NOT TO EXCEED 5 TONS' // 'BABCOCK & WILCOX' (on hoist) // 'L16' (on crane cab)		

Description:

Cast-iron riveted twin-beam overhead travelling crane with lattice girders spanning Bay 12. It has an upper carriage to hold the cable and motor for the hoist. A metal-clad, timber-frame driver's cabin is slung below the beams in the centre of the crane. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. Painted orange-brown. The crane is 3.3m wide.

Significance:

This Babcock & Wilcox Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This crane was manufactured by boilermakers Babcock & Wilcox Ltd of London, England, and Renfrew, Scotland, in the early 20th century (NB the Renfrew factory was established in 1895). It was electrically powered when installed (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Babcock & Wilcox Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L16 is in sound condition. It exhibits heavy surface corrosion on the southern rail.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

References:

Kristine Bruland 1998, 'The Babcock & Wilcox Company: Strategic Alliance, Technology Development, and Enterprise Control' in K Bruland & P O'Brien (eds) 'From Family Firms to Corporate Capitalism: Essays in Business and Industrial History in Honour of Peter Mathias'. Publisher: Oxford University Press. Pages: 219-246.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 357.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745440

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745440_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745440_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 441	<i>Name:</i> Hoist	<i>Location:</i> 12S 4W	

Description:

This small wall crane consists of a jib made from a steel beam (6.2m long) and a steel plate for the main brace. The crane is stayed against the northern-most cast iron columns in area 4 between Bays 12 and 13. An extra steel plate guard has been fitted to the top of the beam. Silver painted.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was probably built on site.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 360.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745441

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745441_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745441_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 442	<i>Name:</i> Hoist	<i>Location:</i> 12S 5W	
<i>Markings</i>	'AIS 20[3] x 52'		

Description:

This small wall crane consists of a jib made from an AIS steel beam (6.3m long) and a steel plate for the main brace. The crane is stayed against the southern-most cast iron columns in area 1 between Bays 12 and 13. Silver painted.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was probably built on site. The beam was supplied by Australian Iron & Steel Limited (AIS) which was formed in 1928.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 359.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745442


Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 12 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745442_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745442_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 443	<i>Name:</i> Babcock & Wilcox Overhead Travelling Crane L18	<i>Location:</i> 13N 14	
<i>Markings</i>	'BABCOCK & WILCOX LTD / MAKERS LONDON & RENFREW / LOAD NOT TO EXCEED 5 TONS' // 'L18' (on crane cab)		

Description:

Cast-iron riveted twin-beam overhead travelling crane with lattice girders spanning Bay 13. It has an upper carriage to hold the cable and motor for the hoist. A metal-clad, timber-frame driver's cabin is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 2.9m wide.

Significance:

This Babcock & Wilcox Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This crane was manufactured by boilermakers Babcock & Wilcox Ltd of London, England, and Renfrew, Scotland, in the early 20th century (NB the Renfrew factory was established in 1895). It was electrically powered when installed (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Babcock & Wilcox Ltd

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Crane L18 is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

References:

Kristine Bruland 1998, 'The Babcock & Wilcox Company: Strategic Alliance, Technology Development, and Enterprise Control' in K Bruland & P O'Brien (eds) 'From Family Firms to Corporate Capitalism: Essays in Business and Industrial History in Honour of Peter Mathias'. Publisher: Oxford University Press. Pages: 219-246.

Studies:

¹ Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 362.

Listings:

¹ *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745443

ATP S170 Register

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic



File: 4745443_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745443_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 444	<i>Name:</i> Bay 13 Turntable	<i>Location:</i> 13S Exterior	

Description:

Cast-iron circular turning table with rail-track guide in front of Bay 13. It has been supported by a concrete buffer and lies above a 55cm substructure. It measures 450cm (diameter).

Significance:

This item is a component of the Eveleigh Locomotive Workshops and assists in interpreting the historic operation of the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

A turntable is present on the 1924 plan of the workshops (OCP 2002: 39) in this location, outside Bay 5 (then Bay 4a) which was enclosed as part of the boiler shop in 1903. It was one of ten which flanked the south side of the workshop complex. All but two were removed in 1996 (Cserhalmi 2002: 40). It is most likely to have been built in the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Overall the turntable is in sound condition, although bears more surface corrosion than the other turntable (No. 323).

Recommended Management:

This item should be retained for interpretive purposes. It may be relocated to another position along the south side of the Loco Workshops if required but should be retained in a functional alignment with both the roadway and bay entrances.

Specific Recommendations:

- 1 Treat rust and monitor

References:

Otto Cserhalmi and Partners 2002, Eveleigh Railway Locomotive Workshops Conservation Management Plan.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 324.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745444

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register




File: 4745444_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745444_1t.jpg



File: 4745444_2.JPG
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745444_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 445	<i>Name:</i> Hoist	<i>Location:</i> 13S 4E	
<i>Markings</i>	'AIS 203 x 152'		

Description:

This small wall crane consists of a jib made from an AIS steel beam (6.5m long) and a steel plate for the main brace. The crane is stayed against the southern-most cast iron columns in area 4 between Bays 13 and 12. Wire bracing has been fitted between the beam and main steel brace. Silver painted.

Significance:

This item is typical of the small hoists used throughout the site. The item assists in interpreting the complex manual handling required for locomotive manufacture.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown. It was probably built on site. The beam was supplied by Australian Iron & Steel Limited (AIS) which was formed in 1928.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

The Hoist is in good condition.

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 361.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745445

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008


Status: Basic

ATP S170 Register



File: 4745445_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745445_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 446	<i>Name:</i> Craven Overhead Travelling Crane L15	<i>Location:</i> 16N 8C	
<i>Markings</i>	'CRAVEN BROS / 5 TONS / 1884 / MANCHESTER' // 'L15' (on crane cab) // 'CRAVEN BROS 1884' (on hoist) // 'L.15 LOAD NOT TO EXCEED 5 . TONS'		
<i>Other ID nos</i>	1996 inventory no: 221.		

Description:

Cast-iron riveted twin-beam overhead travelling crane with lattice girders spanning Bay 16. It has an upper carriage to hold the cable and motor for the single-pulley hoist. A driver's cabin is slung below the beams on the eastern end. It contains a fuse box and controllers for the transverse and longitudinal travel and for the hoist. There is a BHP girder on the south side.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1884-1888

This crane was manufactured by Craven Bros Ltd of Manchester, England, in 1884 and was one of the first cranes installed in the workshops. It was originally steam powered and converted to electricity between 1901 and 1907 (GML 1996: Inventory Item no. 219A-H). Like all overhead cranes in the Eveleigh Workshops, the crane was used to move heavy loads from one part of the bay to another. It was controlled from the drivers cabin, often with the aid of an assistant positioned on the crane beam to attend to the motors and switch gears.

Designer/Builder: Craven Brothers

Current Use: Display

Modification(s): repaired or strengthened at unknown date

Former Uses: Workshop Machinery

Physical Condition:

Recommended Management:

Retain the item in situ as a display item.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 319.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745446

Data Entry: Date First Entered: 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745446_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745446_1t.jpg



File: 4745446_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745446_2t.jpg

ATP S170 Register



File: 4745446_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745446_3t.jpg



File: 4745446_4.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745446_4t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 447	<i>Name:</i> Grinder	<i>Location:</i> 16N 13W	
<i>Markings</i>	'Brobo Waldown / Port Melbourne / Model P[C or G]300'		

Description:

Small dual grinder with rectangular base and circular guards protecting the outer wheels. The grinder is painted red.

Significance:

This item has no known association with the Eveleigh Workshops. While it is typical of small two wheeled grinders used in the Workshops, it has no provenance with the site and is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

This grinder was made by engineers 'robo Waldown (est. 1947) of Melbourne. The specific history of the grinder's use at Eveleigh is unknown, but it probably served as a general purpose grinder.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the Grinder is in good condition. A number of cigarette butts has accumulated in the catch tray on the north side.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

¹ Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 321.

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic

ATP S170 Register




File: 4745447_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745447_1t.jpg



File: 4745447_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745447_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 448	<i>Name:</i> Small Cart	<i>Location:</i> 16S 7E	

Description:

Small iron cart on aluminium castors, with central prop to hold a rod or shaft. It measures 70cm (L) x 40cm (W) x 50cm (H).

Significance:

This item is a component of the Eveleigh Locomotive Workshops and assists in interpreting the historic operation of the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The specific history of the cart is unknown. It was probably made in-house and used to transport bogeys or shafts around the workshops.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop transport

Physical Condition:

Overall the Small Cart is in sound condition. It bears minor surface corrosion.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 320.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745448

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745448_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745448_1t.jpg



File: 4745448_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745448_2t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 449	Line shafting (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 204b.

Description:

NA (disposed)

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 450	Line shafting (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 204c.

Description:

NA (disposed)

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:

Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 451	Line shafting (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 204d.

Description:

NA (disposed)

Significance:

Not located, presume disposed.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: NA (disposed)

Former Uses: Working machinery

Physical Condition:

NA (disposed)

Further Information:


Unable to locate in March 2008: presume disposed.

Recommended Management:

Remove from list

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.: 4745 452	Name: Window frames	Location: Outside (Container)	

Description:

Seven cast iron window frame components removed from different areas of the Locomotive Workshop building. Some exhibit cracking.

Significance:

These items have no particular significance in their own right, but may have some value as spare parts. If not useful in building conservation works, they may be disposed of.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of the item is unknown.

Current Use: Spare parts

Former Uses: Window frames

Physical Condition:

Recommended Management:

Review opportunities for reuse on site. If no prospect of reuse, dispose of. Otherwise retain as spare parts.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 449.

Listings:

1 :

Listing date: . Reference Number: 4745452

Data Entry: Date First Entered: 8 Feb 2008 Date Updated: 13 Aug 2008 Status: Basic

ATP S170 Register



File: 4745452_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745452_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 453	<i>Name:</i> Telephone boxes	<i>Location:</i> Outside (Container)	

Description:

Two timber telephone boxes, painted red. Removed from unknown locations, possibly from this site. Their worn condition suggests they were located outdoors.

Significance:

These items are typical examples of their class and do not have good historical provenance within the site and are not unique to railway sites. They are recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of these items is unknown.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Recommended Management:

This item is recommended for disposal.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 450.

Listings:

1 :

Listing date: . Reference Number: 4745453

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745453_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745453_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 454	<i>Name:</i> Crane pulley carriage and chains	<i>Location:</i> Outside (Container)	

Description:

A metal pulley carriage for an overhead crane. The carriage runs on four small wheels which would have sat on the jib of a crane, possibly one of the Wheel Shop pivot cranes.

Significance:

This item is a typical example of its class which lacks sufficient integrity to warrant conservation. It does not have good historical provenance within the site and is not unique to railway manufacturing processes. It is recommended for disposal.

Assessed Significance: Local

Endorsed Significance:

Historical Notes:

Unknown

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Surface rust

Recommended Management:

As this item lack provenance and is not significant in its own right it is recommended for disposal.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 451.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 4 Jul 2008

Status: Basic

ATP S170 Register



File: 4745454_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745454_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 455	<i>Name:</i> Misc motor and machine parts	<i>Location:</i> Outside (Container)	

Description:

Includes a small electric motor and a small pump of unknown provenance.

Significance:

This item is a typical example of its class which lacks sufficient integrity to warrant conservation. It does not have good historical provenance within the site and is not unique to railway manufacturing processes. It is recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of these items is unknown.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Recommended Management:

This item has no provenance and is not significant in its own right. Dispose.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 452.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 12 Aug 2008

Status: Basic

ATP S170 Register



File: 4745455_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745455_1t.jpg



File: 4745455_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745455_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 456	<i>Name:</i> White Twin Head Vertical Borer	<i>Location:</i> Outside (Container)	
<i>Markings</i>	White NJ Patent No 212 677 NSW TD C1416		

Description:

A small twin head vertical borer with a cast iron chassis painted silver. Dimensions approximately 1500x500x500mm. Has been electrified at a later date.

Significance:

While this machine appears to have come from the Eveleigh Locomotive Workshops, its exact purpose and provenance are unknown. Further investigation is required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Unknown.

Designer: White N J

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Generally good. Name plate removed and machine base mounting is cracked.

Recommended Management:

Retain pending further investigation into history. If it can be demonstrated that the item came from this site, retain as a display item, otherwise dispose.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 453.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745456

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745456_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745456_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 457	<i>Name:</i> Crane pulley carriage and rope	<i>Location:</i> Outside (Container)	

Description:

A pulley trolley designed to run on the overhead gantry for the Pneumatic Gap Riveter. The item supported the riveter itself and has attachment points for the hydraulic pipe work which powered the riveter. The item is incomplete and the riveter itself is missing.

Significance:

This item is a component of the Pneumatic Gap Riveter, which is incomplete and in poor condition. It is recommended for disposal.

Assessed Significance: Local

Endorsed Significance:

Historical Notes:

Constructed: 1946

Part of the pneumatic gap riveter, installed in the workshops in 1946. Located in Bay 4 North in 1996.

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Good

Recommended Management:

A part of a minor item of machinery, which is incomplete. Recommended for disposal.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 454.

Listings:

1 :
Listing date: . Reference Number: 4745457

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 22 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745457_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745457_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 459	<i>Name:</i> Metal stanchions	<i>Location:</i> Outside (Container)	

Description:

12 steel stanchions, salvaged from the main building. Possibly originally used as mounts for line shafting. Numerous in situ examples are present in the Loco Workshop building.

Significance:

These items are removed elements of building fabric with no particular significance and are recommended for disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

Unknown.

Current Use: Display

Former Uses: Workshop Fixture

Physical Condition:

Recommended Management:

This item is recommended for disposal.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 456.

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 22 Aug 2008

Status: Basic

ATP S170 Register



File: 4745459_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745459_1t.jpg

ATP S170 Register

SHI No.: 4745 460	Name: Pattern moulds	Location: Outside (Container)	

Description:

Includes 4 timber patter moulds - #5045 (large, in 2 parts), 4968 and 4433.

Significance:

These timber patterns are believed to be four of the thousands that were used in the Eveleigh foundry and stored in the Pattern Store. While they have been disassociated from the original sets with which they were to be used, they are the only surviving examples of this important element of Eveleigh's manufacturing operations.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these patterns is unknown. They are believed to be part of the Eveleigh collection.

Current Use: Display

Former Uses: Pattern moulds

Physical Condition:

Recommended Management:

This item should be regrouped with the patterns in Bay 2N (item 4745394).

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 457.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745460

Data Entry: *Date First Entered:* 8 Feb 2008

Date Updated: 7 Jul 2008

Status: Basic

ATP S170 Register




File: 4745460_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745460_1t.jpg



File: 4745460_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745460_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 461	<i>Name:</i> Ticket dies	<i>Location:</i> Outside (Container)	

Description:

A 55 gallon steel drum half full with several hundred ticket printing dies.

Significance:

These tickets do not relate to the Eveleigh Railway workshops. They are recommended for disposal to the Office of Rail Heritage.

Assessed Significance:

Endorsed Significance:

Historical Notes:

The history of these items is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Surface rust.

Recommended Management:

Transfer to the Office of Rail Heritage.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 458.

Listings:

1 :

Listing date: . Reference Number: 4745461

Data Entry: *Date First Entered:* 8 Feb 2008 *Date Updated:* 13 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745461_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745461_1t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 462	Air receivers (disposed item)	NA (disposed)

Other ID nos 1996 inventory no: 199b.

Description:
NA (disposed)

Significance:
Not located - presumed disposed

Assessed Significance: *Endorsed Significance:*

Historical Notes:
The history of the item is unknown.

Current Use: NA (disposed)
Former Uses: Working machinery


Physical Condition:
NA (disposed)

Further Information:
Unable to locate in March 2008: presume disposed.

Recommended Management:
Remove from list (Not located - presumed disposed)

Data Entry: *Date First Entered:* 1 Mar 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 463	<i>Name:</i> Air receiver	<i>Location:</i> Outside	

Description:

Riveted wrought iron tank with hatch, 3 pipe entry points and a pressure gauge.

Significance:

This item is a typical example of its class which lacks sufficient integrity to warrant conservation. It does not have good historical provenance within the site and is not unique to railway manufacturing processes. It is believed to come from the Eveleigh Carriage Workshops. It is recommended for transfer to another agency or disposal.

Assessed Significance:

Endorsed Significance:

Historical Notes:

Believed to have been relocated to this site from the Carriage Workshops in the 1990s.

Current Use: Display

Modification(s): Believed to have been relocated to this site from the Carriage Workshops in the 1990s

Former Uses: Workshop Machinery

Physical Condition:

Surface rust and flaking paint

Recommended Management:

Not part of the Eveleigh Locomotive Workshop collection. Offer to the Carriage Workshops, archivally record and dispose of.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 478.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745463

Data Entry: *Date First Entered:* 5 Jun 2008

Date Updated: 8 Jul 2008


Status: Basic

ATP S170 Register



File: 4745463_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745463_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 464	<i>Name:</i> Pump Room Tool Collection	<i>Location:</i> 3S Annex	
------------------------------------	--	-------------------------------------	---

Description:

A collection of 3 tool cabinets, a timber work bench and a large assemblage of hand tools and spare parts relating to the maintenance of the Pump Room machinery. Cabinet A is located in the southwest corner and is 1900x1200mm, painted green. Cabinet B is located in the southeast corner and is 1400x1200mm, painted blue. Cabinet C is located in the northeast corner and is 1800x1200mm, painted green. The timber work bench has two drawers and is 2200x1300x1000mm.

Significance:

The Pump Room Tool Collection is one of the components of the Eveleigh Railway Workshops Machinery Collection. The machine is primarily significant as a part of an assemblage which demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site. This collection is particularly important as it forms part of the Pump Room Assemblage, the only intact and in situ assemblage at the site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Specific history unknown but it is believed the collection was used to maintain the hydraulic system in the Pump Room.

Current Use: Display

Former Uses: Workshop tool

Physical Condition:

Generally good, however there is a significant quantity of dust, grime and bird droppings. Some tools exhibit surface rust.

Recommended Management:

Remove dust, grime and bird droppings. Dispose of any asbestos spare parts. Keep collection together in this location.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context.

The item should be cleaned of dust annually through wiping, vacuuming or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstance.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 479.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745464

Data Entry: *Date First Entered:* 5 Jun 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745464.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745464t.jpg



File: 4745464.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745464t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 465	<i>Name:</i> Bleeder Valve for Fielding and Pratt Pump	<i>Location:</i> Outside (Container)	

Description:

A bleeder valve for the Fielding and Platt Steam Pump.

Significance:

This item is a component of the Fielding and Pratt pump located in Bay 3S Annex. It has little significance in its own right but has interpretive value for the Pump Room Assemblage.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: 1886

Associated with the Fielding and Platt Steam Pump, installed in 1886.

Current Use: Display

Former Uses: Workshop machinery

Physical Condition:

Good

Recommended Management:

Relocate to Pump Room in Annex 3S as display item.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context.

The item should be cleaned of dust annually through wiping, vacuuming or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 480.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745465

Data Entry: *Date First Entered:* 5 Jun 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745465.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745465t.jpg



File: 4745465.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745465t.jpg

ATP S170 Register

SHI No.: 4745 466	Name: Rack of dies for Covmac machine	Location: 2S 7W	

Description:

Approximately 100 metal dies of different sizes for use with the Covmac Continuous Forging Machine, stored on a four level shop built metal rack.

Significance:

This item is an important component of the Covmac assemblage. It is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this item is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 485.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745466

Data Entry: *Date First Entered:* 6 Jun 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745466.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745466t.jpg



File: 4745466.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745466t.jpg

ATP S170 Register

SHI No.:	Name:	Location:
4745 467	Rack of dies for the Spring King Machine	2S 6W

Description:

Rack of approximately 100 dies for the Spring King machine, stored on a 3 level metal shelf.

Significance:

The Controller for Spring King Eye Rolling machine is an integral part of the Spring King assemblage and assists in demonstrating the nature of past work practices.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 486.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745467
-

Data Entry: Date First Entered: 6 Jun 2008 Date Updated: 7 Jul 2008 Status: Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 468	Rack of dies for the Ajax Machine	2S 5W

Description:

Rack of dies and spanners for the Ajax machine. Approximately 50 large dies and 40 spanners, on a 5 level shop built metal rack.

Significance:

This item is an important component of the Ajax assemblage. It is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this item is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 487.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745468

Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 8 Jul 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 469	Stack of dies for the Ajax machine	2S 5W

Description:

Stack of approximately 75 dies for the Ajax machine.

Significance:

The dies are an important component of the Ajax assemblage and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:


- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 488.
-

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745469
-

Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 8 Jul 2008 *Status:* Basic

ATP S170 Register

<i>SHI No.:</i> 4745 470	<i>Name:</i> Rack of dies and punches for the Ajax machine	<i>Location:</i> 2S 4W	

Description:

Large tiered metal rack with six tiers, containing approximately 150 dies on the north side and approximately 75 on the south side. The south side of the rack also has six drawers containing approximately 70 punches.

Significance:

This item is an important component of the Ajax assemblage. It is typical of the shop-built racks and stands made from scrap metal components to store tools and working equipment throughout the workshops. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this item is unknown.

Current Use: Display

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 489.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745470

Data Entry: *Date First Entered:* 6 Jun 2008

Date Updated: 8 Jul 2008

Status: Basic

ATP S170 Register



File: 4745470.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745470t.jpg



File: 4745470.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745470t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 471	<i>Name:</i> Avery Platform Scale	<i>Location:</i> 2S 4W	
<i>Markings</i>	W + T Avery (Australia) Pty Ltd; Avery Birmingham; U21-838		
<i>Other ID nos</i>	ATP045.		

Description:

A freestanding industrial scale rated to 520kg. Consists of a weighing platform with an upright containing the scale measures.

Significance:

This item is typical of weighing equipment used in the later periods of operation in the Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Designer/Builder: W + T Avery (Australia) Pty Ltd

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Good

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

¹ Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 490.

ATP S170 Register

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745471
-

Data Entry: *Date First Entered:* 6 Jun 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745471_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745471_1t.jpg

ATP S170 Register

<i>SHI No.:</i>	<i>Name:</i>	<i>Location:</i>
4745 472	Anvils	2S

Description:

A collection of 6 anvils of different sizes, one located near each of the forges. Most are on cast iron mounting blocks. These items are in use and have been relocated on many occasions.

Significance:

This item is a part of the general assemblage of the Blacksmiths Shop and contributes to the overall understanding of how the place operated during production. It represents former manufacturing technologies now rarely evident in operating workshops and evidences the versatility of the workshops in the manufacture of tools.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

These are six of several anvils used in the blacksmith's shop throughout all the years of its operation. It was probably cast in-house.

Designer/Builder: Eveleigh

Current Use: Workshop tool

Former Uses: Workshop tool

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:


- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 491.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745472

Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 27 Aug 2008 *Status:* Basic

ATP S170 Register

SHI No.: 4745 473	Name: Swage blocks	Location: 2S	

Description:

Two large swage blocks on cast iron bases. These items are in use and have been relocated many times.

Significance:

This collection of tools is representative of the range of tools used in the Hammer Shop and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This history of this item is unknown.

Current Use: Workshop tool

Former Uses: Workshop tool

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 492.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745473

Data Entry: Date First Entered: 6 Jun 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745473.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745473t.jpg



File: 4745473.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745473t.jpg

ATP S170 Register

SHI No.: 4745 474	Name: Swage blocks	Location: 1S	
-----------------------------	------------------------------	------------------------	---

Description:

Three large swage blocks on cast iron bases. These items are in use and have been relocated many times.

Significance:

This collection of tools is representative of the range of tools used in the Hammer Shop and illustrate the range of tasks undertaken in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these tools is unknown. They were probably manufactured at Eveleigh.

Designer/Builder: Eveleigh

Current Use: Workshop tool

Former Uses: Workshop tool

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 493.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745474

Data Entry: Date First Entered: 6 Jun 2008 Date Updated: 25 Aug 2008 Status: Basic

ATP S170 Register



File: 4745474.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745474t.jpg



File: 4745474.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745474t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 475	<i>Name:</i> Reheating furnace	<i>Location:</i> 1S Annex	
<i>Markings</i>	NSWTD FR12 S/O		
<i>Other ID nos</i>	ATP024.		

Description:

A small reheating furnace which has been converted to gas. Painted silver. Approximately 1200x1200x1500mm

Significance:

This item is typical of the shop-built furnaces made in the last decades of operation at Eveleigh. It represents the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Its history is unknown.

Current Use: Workshop Machinery

Former Uses: Workshop Machinery

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in an operational condition suitable for safe use. The item should be kept dry and under cover at all times. Where necessary, guards or other modern safety equipment should be installed as required, provided this can be done without compromising the heritage significance of the item.

Wherever possible, machinery should be maintained in accordance with the manufacturer's specifications. Where these are not available, the following general policies should apply:

Machinery should only be operated by people trained in the safe use of the equipment.
Machinery should be kept free of dirt and grime.

Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. If necessary, machinery may be repainted to extend the operational life of the machine, in an appropriate paint and to match the existing colour scheme.

Any structural rust must be inspected and repaired by a qualified specialist before the machine is operated.

The machine must be inspected daily before use to ensure it is safe to operate and that all obstructions have been cleared. Gaskets and hoses must have no leaks or breaks and all fasteners must be tight. Joints and valves should be regularly inspected and appropriately lubricated before operation.

The machine must be regularly lubricated and oil should be changed annually. The machine should be fully overhauled by a qualified machinist every 400-500 hours of operation, or as directed by the manufacturer.

Records should be kept detailing all servicing of operational machinery including the nature of service, any damage noted and any repairs undertaken.

Operational machinery which is no longer serviceable should be tagged as DECOMMISSIONED, disconnected from all power sources and retained as a static display item.

Studies:

¹ Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 494.

Listings:

ATP S170 Register

1

Listing date: 30 Jun 08. Reference Number: 4745475

Data Entry: *Date First Entered:* 6 Jun 2008

Date Updated: 25 Aug 2008

Status: Basic



File: 4745475.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745475t.jpg



File: 4745475.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745475t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 476	<i>Name:</i> Wall mounted manometer	<i>Location:</i> 1S Annex	
<i>Markings</i>	Bardons Pressure Gauge		

Description:

A wall mounted brass manometer, now disused.

Significance:

This item is typical of guages used in the later periods of operation in the Workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Builder:

Builder: Bardons

Current Use: Workshop machinery

Former Uses: Workshop machinery

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 495.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745476

Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745476.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745476t.jpg



File: 4745476.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745476t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 477	<i>Name:</i> Overhead monorail crane	<i>Location:</i> 1S	

Description:

A two beam overhead monorail crane mounted at ceiling level of Bay 1 South. Used to move material between the Arch Hammer and the Massey Hammer using pulley dollies mounted on the rails.

Significance:

This item is an integral component of the Blacksmith Shop and assists in illustrating work practices within the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Workshop crane

Former Uses: Workshop crane

Physical Condition:

Recommended Management:

Retain the item in situ.

All cranes, hoists and lifting equipment should be inspected regularly to ensure the item is secure at the points of attachment, not subject to rust or deterioration and structurally sound. Should there be any question about the soundness of the item, it should not be used for lifting until inspected by qualified personnel.

If used for lifting, weights should never exceed the posted weight limit of the item.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 496.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745477

Data Entry: *Date First Entered:* 6 Jun 2008

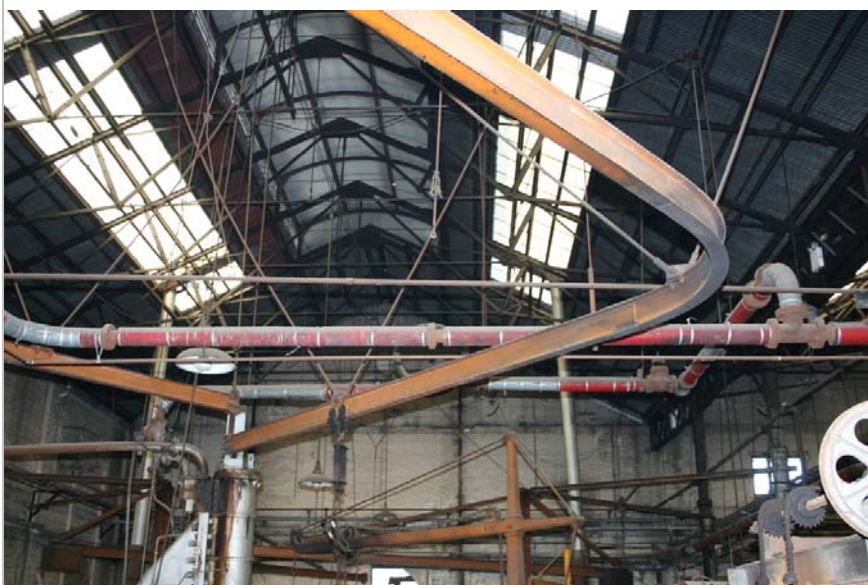
Date Updated: 25 Aug 2008

Status: Basic

ATP S170 Register



File: 4745477_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745477_1t.jpg



File: 4745477_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745477_2t.jpg

ATP S170 Register



File: 4745477_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745477_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 479	<i>Name:</i> Rack of tools between columns (Bay 2 South - Rack E)	<i>Location:</i> 2S 2E	
<i>Other ID nos</i>	1996 inventory no: 102e.		

Description:

Three level tool rack consisting of metal strips bolted together between columns, holding a variety of forging tools. One of 5 racks in Bay 2 South along the eastern side near the forges. This rack is located between columns 1 and 2 and contains approximately 10 large fullers.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 498.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745479

Data Entry: *Date First Entered:* 7 Jun 2008

Date Updated: 28 Aug 2008


Status: Basic

ATP S170 Register



File: 4745479_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745479_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 480	<i>Name:</i> Work benches	<i>Location:</i> 1S	

Description:

2 metal and one timber work benches located throughout Bay 1 South.

Significance:

This workbench is representative of the work benches which were located throughout the workshops. It demonstrates the skills of the workers on site and assists in the understanding of the operation of the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these benches is unknown. They were probably manufactured at Eveleigh.

Designer/Builder: Eveleigh

Current Use: Display

Former Uses: Workshop table

Physical Condition:

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 499.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745480

Data Entry: *Date First Entered:* 10 Jun 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745480_1.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745480_1t.jpg



File: 4745480_2.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745480_2t.jpg

ATP S170 Register



File: 4745480_3.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745480_3t.jpg



File: 4745480_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745480_1t.jpg

ATP S170 Register



File: 4745480_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745480_2t.jpg



File: 4745480_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745480_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 481	<i>Name:</i> Large Crane Sling	<i>Location:</i> 1N 12E	

Description:

Large metal crane sling with a pulley and spring shock absorbers on the lifting hook. The sling was most likely used by being suspended from the overhead travelling crane to transport particularly large and heavy items. The item may be shop built. It is presently stored on a pallet with an array of unrelated metal parts. 1500x500x200mm

Significance:

This item has little significance in its own right but serves to illustrate one aspect of the work practices in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Good. Minor surface rust. Should not be used for lifting unless tested.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 500.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745481

Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745481_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745481_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 482	<i>Name:</i> Trolley, billet moulds and steel billets	<i>Location:</i> 2S	

Description:

A small orange-painted metal trolley with a lifting mechanism. Presently holding a pallet with 2 small metal billet moulds and five steel billets. 800x500x1000mm

Significance:

This item has little significance in its own right but contributes to the understanding of the work practices in the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Specific history unknown. Would have been used in the foundry to cast small metal billets for further forging.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Good. Flaking paint and surface rust.

Recommended Management:

This item should be retained for interpretative purposes.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 501.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745482


Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 29 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745482_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745482_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 483	<i>Name:</i> Metal floor plates	<i>Location:</i> 1N 8C	

Description:

A collection of 36 cast iron floor plates stacked on 6 pallets. Most plates are 900x900mm, though there are some half-plates. These plates have been salvaged from unknown locations around the Workshops and are similar to plates still in situ in Bay 1.

Significance:

These items have little significance in their own right. They may be used for interpretative purposes within the workshops or may be disposed of.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of these items is unknown but they were probably salvaged during renovation works in the 1990s.

Current Use: Display

Former Uses: Workshop floor plate

Physical Condition:

All plates show rust to a varying degree however all appear sound enough to reuse.

Recommended Management:

This item should be retained for interpretative purposes.

Reuse within Bay 1. Historic photos show a pathway two plates wide leading through Bay 1 on the west side of the Davy Press. Recommend reinstatement in that location.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 502.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745483

Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 8 Jul 2008 *Status:* Basic

ATP S170 Register



File: 4745483_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745483_1t.jpg

ATP S170 Register

SHI No.: 4745 484	Name: Davy Work in Progress 2	Location: 1N 11E	
Other ID nos 1996 inventory no: 6b.			

Description:

19 partially worked small shafts and metal blocks.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 6b.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 503.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745484


Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 8 Jul 2008 *Status:* Basic

ATP S170 Register



File: 4745484_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745484_1t.jpg

ATP S170 Register

SHI No.: 4745 485	Name: Davy Work in Progress 3	Location: 1N 10E	
Other ID nos 1996 inventory no: 6c.			

Description:

29 partially forged metal items including small shafts, drop hammer heads and steel blocks.

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 6c.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 504.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745485


Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 4 Jul 2008 *Status:* Basic

ATP S170 Register



File: 4745485_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745485_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 486	<i>Name:</i> Large steel billet	<i>Location:</i> 1N	

Description:

One very large steel billet 1800x600x600mm

Significance:

The item is an integral part of the Davy assemblage and assists in demonstrating the nature of past work practices. It is significant as an example of the types of items manufactured in the workshops, the skill of site workers and the capacity of the workshops to manufacture spare parts as required.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 505.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745486

Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745486.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745486t.jpg



File: 4745486.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745486t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 487	<i>Name:</i> Mandrel	<i>Location:</i> 1S 5	

Description:

A large, conical steel mandrel approximately 700mm high x 300mm diameter. Presently located in Bay 1 Row 5, near the arch Hammer, however the item was designed to be relocated as required.

Significance:

This mandrel is typical of ancillary components used to operate machinery throughout the workshops.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 506.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745487

Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 8 Jul 2008 *Status:* Basic

ATP S170 Register



File: 4745487.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745487t.jpg



File: 4745487.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745487t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 488	<i>Name:</i> Military objects	<i>Location:</i> 1N	

Description:

A two-piece metal mould for the casting of large shell casings and one large steel artillery shell casing.

Significance:

These objects are representative of the period when the Workshops manufactured military equipment during World War II.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The history of the item is unknown.

Current Use: Display

Former Uses: Working machinery

Physical Condition:

Overall the military objects are in good condition. The large shell casing has some surface rust.

Further Information:

Stored in the shed in Bay 1 North as of June 2008

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 507.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745488

Data Entry: *Date First Entered:* 11 Jun 2008 *Date Updated:* 8 Jul 2008 *Status:* Basic

ATP S170 Register



File: 4745488_1.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745488_1t.jpg



File: 4745488_2.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745488_2t.jpg

ATP S170 Register



File: 4745488_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745488_1t.jpg



File: 4745488_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745488_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 489	<i>Name:</i> Balanced Billet Holder Q	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5q.		

Description:

Cast iron rod, 570cm long with a special tool at one end (a roughly cast bevelled point, 18cm long) and rotation handles for manipulation fastened about the centre. The rod is 12 cm in diameter, with a 15cm mid section.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5q.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 473.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745489

Data Entry: *Date First Entered:* 6 Jul 2008

Date Updated: 6 Jul 2008

Status: Basic

ATP S170 Register




File: 4745489_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745489_1t.jpg



File: 4745489_2.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745489_2t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 490	<i>Name:</i> Balanced Billet Holder R	<i>Location:</i> 1N 13E	
<i>Markings</i>	NA		
<i>Other ID nos</i>	1996 inventory no: 5r.		

Description:

Cast iron rod, 600cm long with a special tool at one end (a square block 67x56x2.8cm with a central hole to hold billet, pivoting on a bar and pin head) and rotation handles for manipulation fastened about the centre. The rod is 10cm in diameter.

Significance:

The billet press holders are an important component of the Davy Press assemblage. They demonstrate the complex nature of the system that was required to operate the Press and the diversity of parts produced.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1926

It is believed that most of the billet holders were introduced when the Davy Press was installed. Some of them were possibly made in response to later requirements. The billets to be worked were grasped by the end of the holder. The holder was securely clamped by the use of pins and wedges. The special crane hook was attached to the centre of the shaft and up to five men were used to manipulate the billet as it came under the action of the Davy Press. (GML 1996)

Current Use: Display

Former Uses: Workshop Tool

Physical Condition:

Overall the billet holder is in sound condition. It bears minor surface corrosion and is generally covered with grime, dust and bird droppings.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be kept dry and under cover at all times. Where the item is a part of an assemblage or a collection, it should be retained with that collection. Any items temporarily removed for display purposes should be appropriately tagged to allow their return to their original context. Any components currently fixed to or associated with the item should be retained intact.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Items of unpainted metal should not be painted under any circumstances.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 5r.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 474.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745490

Data Entry: Date First Entered: 6 Jul 2008

Date Updated: 6 Jul 2008


Status: Basic

ATP S170 Register



File: 4745490_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745490_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 491	<i>Name:</i> Blacksmith's Forge No. 26	<i>Location:</i> 2S 4E	
<i>Markings</i>	'AL[L]DAYS [& ONIONS / LTD] / MAKERS / [BIRMINGHAM .] LONDON' (on base) 'NSWTD / FB26 / SO [...]'		
<i>Other ID nos</i>	ATP057.		

Description:

The furnace consists of a recessed-panel cast-iron frame (120x115cm) from an Allday's & Onions forge with a shop-built metal hood and surrounds. There is no chimney and the furnace is currently used for storage. It measures 120cm (L) x 110cm (W) x 200cm (H).

Significance:

This Blacksmith's Forge is one of the component items of the Eveleigh Railway Workshops Machinery Collection and one of five of the original cast-iron blacksmith forges surviving in Bay 2 South of the Locomotive Workshops building. It is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components and represents former manufacturing technologies now rarely evident in operating workshops. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

Constructed: c. 1885-1887

This forge was made by Alldays & Onions Pneumatic Engineering Co. of Birmingham (a merger of bellow-makers JC Onions and engineers William Allday, formed 1885) and installed in this location when the blacksmith shops opened in Bays 1 and 2 in 1887 (Cserhalmi 2002: fig. A9). It was one of 20 forges built in Bay 2 at the time. It is not known when the forge was converted to a self contained furnace. It has been disused for some time.

Designer/Builder: Alldays & Onions Pneumatic Engineering Co

Current Use: Display

Modification(s): Disconnected from chimney stack and converted to a self-contained furnace (dates unknown)

Former Uses: Workshop Machinery

Physical Condition:

Overall the furnace is in sound condition although it is not presently in use. It bears minor surface corrosion.

Recommended Management:

This item should be retained in situ.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

ATP S170 Register

1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 475.

Listings:

1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08. Reference Number: 4745491

Data Entry: *Date First Entered:* 6 Jul 2008

Date Updated: 6 Jul 2008

Status: Basic



File: 4745491_1.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745491_1t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 492	<i>Name:</i> Smith & Coventry Spring Coiler 1	<i>Location:</i> 4N 11C	
<i>Markings</i>	'SMITH & COVENTRY Ltd / MANCHESTER 11920 // COOPER'S PATENT' 'No. 333 / NSWGR / Class LT' // 'NSWG'		
<i>Other ID nos</i>	ATP304. SRA8673.		

Description:

Small belt-driven lathe with eight gears converted to a spring coiler to wind light springs. It measures 160cm (L) x 110cm (W) x 125cm (H). The working bed is 90cm long.

Significance:

This spring coiler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and is one of two coilers adapted from a Smith & Coventry lathe. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This spring coiler is believed to have been modified at Eveleigh from a Smith & Coventry Ltd (Manchester) lathe of the Cooper's patent.

Designer: Smith & Coventry

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the coiler is in sound condition despite some deteriorated paintwork.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 508.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*

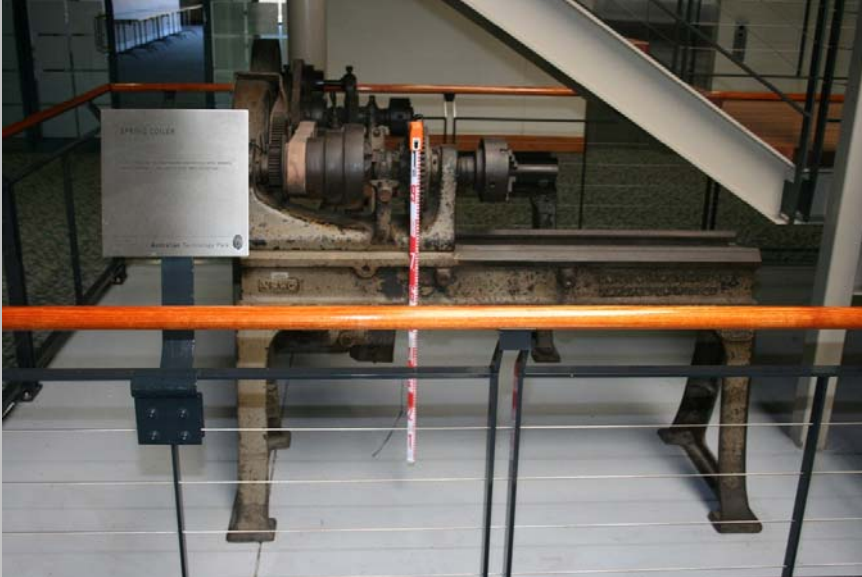
ATP S170 Register

Listing date: 30 Jun 08. Reference Number: 4745492

Data Entry: *Date First Entered:* 4 Jul 2008

Date Updated: 4 Jul 2008

Status: Basic



File: 4745492_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745492_1t.jpg



File: 4745492_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745492_2t.jpg

ATP S170 Register



File: 4745492_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745492_3t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 493	<i>Name:</i> Smith & Coventry Spring Coiler 2	<i>Location:</i> 4N 11C	
<i>Markings</i>	'SMITH & COVENTRY Ltd / MANCHESTER No. [no number]' 'No. 972 / NSWGR / Class L'		
<i>Other ID nos</i>	ATP304.		

Description:

Small belt-driven lathe with six gears converted to a spring coiler to wind light springs. It measures 135cm (L) x 75cm (W) x 130cm (H). The working bed is 75cm long.

Significance:

This spring coiler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and is one of two coilers adapted from a Smith & Coventry lathe. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

This spring coiler is believed to have been modified at Eveleigh from a Smith & Coventry Ltd (Manchester) lathe.

Designer: Smith & Coventry

Current Use: Display

Former Uses: Workshop Machinery

Physical Condition:

Overall the coiler is in sound condition despite some deteriorated paintwork.

Recommended Management:

This item should be retained.

This item should be maintained in a non-operational condition for static display purposes. It should be tagged as DECOMMISSIONED and should be permanently disconnected from all power sources, water or gas supplies. It should be kept dry and under cover at all times. Any components currently fixed to or associated with the item should be retained intact. The item should not have material stacked against or on top of it. Any guards, covers or hatches should be fastened closed to limit the ingress of dust or accidental damage, unless kept open for interpretive purposes. Where it is necessary to leave guards or hatches off for an extended period, install clear perspex guards or panels over the openings.

The item should be inspected and cleaned of dust annually through wiping, vacuuming and/or dry brushing. Any exposed operating surfaces (e.g. piston or drive shafts, or other polished metal surfaces) should be sprayed or wiped with a light machine oil annually to retard rust. Any surface rust should have loose flakes removed and the area should be treated with a rust retardant. Any structural rust should be inspected by a specialist and repaired as per their recommendations. Internal mechanisms should be stripped, degreased and repacked to prevent deterioration. The item should retain its patina of use and should not be completely repainted, unless necessary for the conservation of the item.

Should a decision be taken to restore this item to operational condition, it should be inspected by a specialist to determine whether the restoration is feasible and the manner in which it should be undertaken.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 509.

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register: Australian Technology Park Heritage Register*
Listing date: 30 Jun 08 Reference Number: 4745493

ATP S170 Register

Data Entry: *Date First Entered:* 4 Jul 2008

Date Updated: 4 Jul 2008

Status: Basic



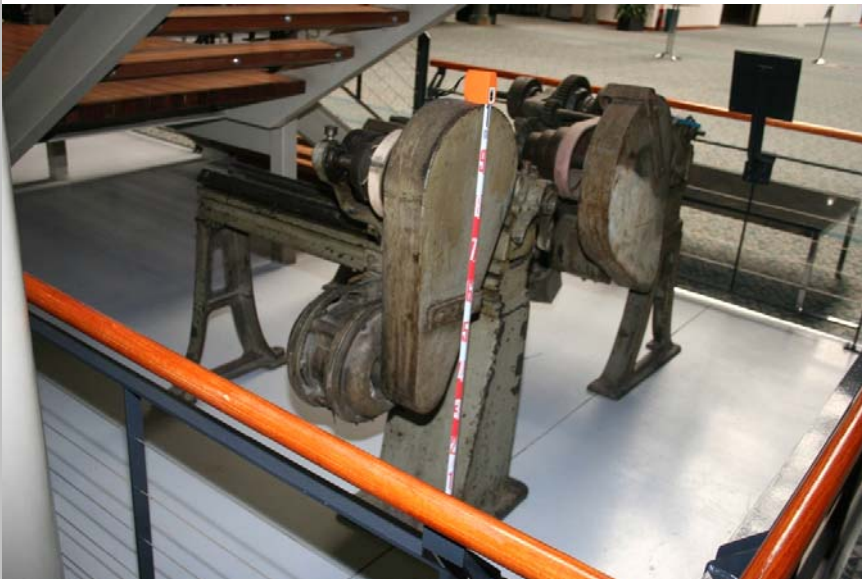
File: 4745493_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745493_1t.jpg



File: 4745493_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745493_2t.jpg

ATP S170 Register



File: 4745493_3.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745493_3t.jpg

ATP S170 Register

SHI No.: 4745 500	Name: Eveleigh Locomotive Workshops Precinct (Australian Technology Park)	Location: NA	
Other name(s):	Australian Technology Park		

Description:

The Eveleigh Locomotive Workshops Precinct consists of a large site to the south of the main railway lines leading into Redfern Station. The Locomotive Workshops Precinct is one half of the overall Eveleigh Railway Workshops, which included both the Locomotive Works and the Carriage Workshops, to the north of the railway line. The Locomotive Workshop Precinct is now the Australian Technology Park and consist of three main historic buildings, a wrought iron water tower and a number of new commercial buildings and land earmarked for commercial redevelopment. The three historic buildings within the Precinct are the Locomotive Workshop, the former Works Managers' Office (now the International Business Centre) and the Engine Shop (now the National Innovation Centre). The modern office buildings further south on the site are not included within the heritage precinct, although this land was originally part of the Workshops site.

Historically, the Precinct encompassed a large area and included the above three buildings as well as a Spring Shop (in the location now known as Innovation Plaza), a Pattern Shop, a Foundry, a Goods Shed, a large Running Shed and the Large Erecting Shop. Of these, only the Large Erecting Shop remains and is outside of the area of this listing. Rails and turntables ran alongside the north end of the buildings to allow locomotives under construction or repair to be moved from bay to bay and building to building using a traverser. Two turntables remain, now used as traffic circles but most of the rail lines have been removed. One traverser has been restored and is interpreted in Bay 10 of the Locomotive Workshop building.

The Locomotive Workshops had the ability to produce entire locomotives from components manufactured on site. Wooden patter moulds were built for individual parts and were cast on site in the foundries. Blacksmiths and machinists were able to fabricate other parts out of steel billets and the wheel shops were able to press and turn the wheels for the bogies. Assembly of the locomotives took place on site as well. At its peak, the Locomotive Workshops employed over 2000 people. The Locomotive Workshop has been converted to commercial office space and a large exhibition hall, with machinery retained in situ in Bays 1 and 2 and other machinery interpreted elsewhere around the building.

The site was managed from the Works Managers' Office (now the International Business Centre), which was the administrative office for the site and contained the Timekeeper's Office as well as the pay office. A large bell on top of the building rang the start and end of shift. The Works Managers' Office has been reconfigured internally and is used as commercial office space. Internally it retains no historic features other than some minor detailing.

The Engine Shop was constructed in 1907 to provide additional space for the assembly of locomotive engines. It consisted of two large bays with overhead cranes. The building has now been converted to commercial office space but retains one of the overhead cranes as a static display item.

See individual building listing card for details.

Significance:

The Eveleigh Locomotive Workshops were a key component of the Eveleigh Railway Workshops and were the site of much of the construction and maintenance of steam locomotives in NSW from the late 19th to mid 20th centuries. The Locomotive Workshops were built on a vast scale and allowed the complete manufacture of locomotive engines from basic components. The workshops were a massive enterprise that included thousands of workers working in all of the trades required to build and maintain steam locomotives. While the construction of locomotives was eventually moved off site to the Chullora Workshops, the Eveleigh site continued in operation until the 1980s as a maintenance facility for steam and later diesel locomotives. The site also served as a manufacturing site for military hardware, with an initial trial early in the 20th century and a full-scale production of artillery shells during WWII. Socially, the Workshops were influential on the development of the adjacent suburbs, which developed into areas of low-cost terrace housing to service the large working population on the site. The site was also a significant site in the history of the NSW labour movement, with early unions winning many significant concessions for workers, including Saturdays off and the provision of indoor washing and toilet facilities. Several significant figures in the labour movement worked at Eveleigh, including James McGowan, the first Labour Premier of NSW. In the mid 20th century, the workshops were well known for the activities of the Communist Party of Australia on the site. The site also contains a significant collection of remnant machinery relating to locomotive manufacture in the 19th and 20th centuries.

ATP S170 Register

Assessed Significance: State

Endorsed Significance: State

Historical Notes:

Constructed: 1882-1897

The Locomotive Workshops are located on the southern half of land that was initially part of a grant to Chisholm in the early 19th century. Chisholm constructed a residence known as Calder on part of the land in the 1820s and the rest of the land was largely undeveloped. Chisholm's grant was split by the construction of the railway line from Redfern in 1855. Chisholm's grant was selected as the location for the Railway Yards in 1875 and was resumed in 1878. A compensation price was finally settled in 1880 and the clearing of the site commenced in 1882. The construction of the Railway Yards had the flow-on effect of stimulating the construction of a considerable amount of housing in the local area, to provide accommodation for the workforce.

The construction of the Yards started with the building of Bays 1 to 4 of the Locomotive Workshop, in 1884. The construction of Bays 5 to 15 (now Bays 6 to 16) of the Workshops commenced in 1885. Both sections of the building were completed in 1887. Bays 1 to 4 were built separately to house the dirty trades of blacksmithing, boiler-making and foundry work. In 1896, the Large Erecting Shop was built to the west of the Locomotive Workshop, allowing many tasks to be relocated to the new building. The Carriage Workshops, to the north of the railway line, were built at the same time, being completed by 1897, and were known as Bays 16-25. The Locomotive Workshops also contained the Engine Running Shed, to the west of the Large Erecting Shop, which was demolished in 1960, as well as the Works Manager's Office (on the Locomotive Workshops side of the tracks), the Chief Mechanical Engineer's Office (on the Carriage Workshops side) and numerous other buildings of brick and corrugated metal which served as the Paint Shop, Spring Shop and many other functions. All of these ancillary buildings have been demolished.

In 1900, compressed air plant was installed in an annex to Bays 3 and 4 of the Locomotive Workshops. Modernisation of the site continued in pace with technology, and in 1902 the overhead cranes were converted from rope drive to electric drive, due to the availability of power from the Ultimo Power Station. The progressive electrification of the rest of the site continued over the next 10-15 years. Between 1903 and 1905, the space between Bays 4 and 5 was enclosed to match the rest of the building, and was known as Bay 4A (now Bay 5). In 1907 the New Locomotive Shop was constructed to allow the manufacture of new locomotives on the site. In 1908, four M class steam boilers were installed outside of Bays 2 and 3, to provide steam power for the site. Changes to the workshops continued as functions were shifted or machinery was modernised, but a major report into the operation of the workshops prepared over the course of 1911-1914 recommended the establishment of a new facility elsewhere for some of the functions, as the site was too congested.

In 1923, much of the boiler repair work was shifted to the new railway workshops at Chullora. Manufacture of new locomotives on the site ceased altogether in 1925 and by 1937 much of the repair work had been relocated to Chullora as well. During World War II parts of the site were repurposed for the manufacture of military equipment, including 25lb field artillery shells. This work continued until the end of the war. The construction of new locomotives on the site had a brief resurgence between 1945 and 1952, and the NSW Railways ceased to use steam equipment altogether, in favour of diesel, by 1965.

From that point, the Locomotive Workshops were progressively reorganised to serve a range of different repair functions, including the manufacture and repair of wheels and axles. By the 1980s, the decision had been made to cease operations at the site, which finally occurred in 1988. The site served as the temporary home of Paddy's Markets from 1989 to 1994 and from 1995 was progressively converted to its present use as the Australian Technology Park.

The site was an important place in the development of unionised labour in NSW, with the unions successfully lobbying for the workshops to be closed on Saturdays in 1892. Indoor toilets were installed as a result of labour negotiations in 1910. The first Australian Railways Union Shop Committee was established on the site in 1925. Union meetings were held at an area known as Red Square, a red-painted area of pavement outside of Bay 14. During the 1940s and 1950s, the site was also the home to major activity by the Australian Communist Party.

Designer: George Cowdery

Builder: George Fishburn

Builder:

Current Use: Commercial offices

Modification(s): The Workshops were progressively converted into a commercial office precinct from the mid-1990s. See individual building listing card for details.

Former Uses: Railway Workshops

Physical Condition:

See individual building listing card for details.

Further Information:

The curtilage of the Eveleigh Locomotive Workshop Precinct is bounded by the railway line to the north, the top of the hill to the east, the boundary with the Large Erecting Shop to the west and the upper car park to the south. The curtilage specifically excludes the former Workshops land south of the upper car park, and excludes all modern office buildings built on this southern land. The curtilage includes the former Works Managers' Office, the former Engine Shop and the former Locomotive Workshop buildings. Other historic features included within the precinct are all

ATP S170 Register

machinery outside the southern and eastern sides of the Locomotive Workshop, the turntables in the southern roadway and the water tower at the east end of the site. The former railway carriage used as offices by 3801 Ltd, located within Innovation Plaza, was brought onto the site in 1995 and has no historical association with the place. It is not included within the curtilage.

Recommended Management:

See individual listing cards for conservation recommendations for individual items.

References:

Butcher, R K 2004, The Great Eveleigh Railway Workshops. Publisher: The Author.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: .
 - 2 Otto Cserhalmi & Partners 2002, 'Eveleigh Railway Locomotive Workshops - Fabric Inventory'. Reference: .
 - 3 Otto Cserhalmi and Partners 2002, 'Eveleigh Railway Locomotive Workshops Conservation Management Plan'. Reference: .
 - 4 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: .
 - 5 State Projects - Department of Public Works 1995, 'Eveleigh Railway Workshops Conservation Management Plan'. Reference: .
 - 6 Wendy Thorp 1994, 'Heritage Assessment - Archaeological Resources - ATP Masterplan Site'. Reference: .
 - 7 Don Godden and Associates 1986, 'Heritage Study of Eveleigh Railway Workshops'. Reference: .
-

Listings:

- 1 *Heritage Act - State Heritage Register: State Heritage Register*
Listing date: 4 Feb 99. Reference Number: 1140
 - 2 *Heritage Act - s.170 NSW State agency heritage register: Redfern-Waterloo Authority S170 Register*
Listing date: 30 Jun 08. Reference Number: 4745500
 - 3 *Regional Environmental Plan: Sydney REP No 26*
Listing date: 17 Nov 95. Reference Number: 4745500
 - 4 *National Trust of Australia Register:*
Listing date: . Reference Number: 4745500
-


Data Entry: *Date First Entered:* 23 Apr 2008 *Date Updated:* 24 Aug 2008 *Status:* Completed

ATP S170 Register



File: 4745500.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745500t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 501	<i>Name:</i> Locomotive Workshops Building (Loco Workshops)	<i>Location:</i> NA	
<i>Other name(s):</i>	Loco Workshops		

Description:

The Locomotive Workshop consists of a very large brick building divided into 16 bays running north-south. Each bay was originally used for one or more trades required to repair or manufacture locomotives and their components. The building is of masonry construction with a metal roof and presents as a two storey structure. A series of small annexes have been built along the southern side of the building. Internally, the building is supported on a steel frame and metal roof trusses, which have been incorporated within the redevelopment of the building. Only Bays 1 & 2 at the east end of the building are substantially original, with the remaining bays having been converted to commercial office space, function and exhibition areas in a variety of styles. Items of machinery have been placed on display and interpreted throughout Bays 3 to 16 of the building.

- Bay 1 - Blacksmith shop / interpretation area
- Bay 2 - Blacksmith shop / interpretation area
- Bay 3 - 3 levels of infill offices, commercial kitchen
- Bay 4 - atrium, reception/function area, 3 levels of office space at north end
- Bay 5 - theatre, 3 levels of infill offices
- Bay 6 - 2 levels of infill offices, air conditioning plant on 3rd level
- Bay 7 - 2 levels of infill offices
- Bay 8 - atrium, cafe, 2 levels of infill offices at north end
- Bay 9 - 2 levels of infill offices, board room
- Bay 10 - exhibition hall & machinery interpretation
- Bays 11 to 14 - exhibition hall
- Bay 15 - 3 levels of infill offices
- Bay 16 - cafe, 2 levels of infill offices

Originally there were 21 annexes along the south wall of the building built in brick, timber and corrugated metal, however only 12 remain. Several of these have been rebuilt in modern materials to house new functions while others are in original condition.

- Annex 1 - historic structure, machinery / workshop space
- Annex 2 - historic structure, blacksmith shop
- Annex 3 - historic structure, blacksmith shop access & fuel tanks
- Annex 4 - historic structure, boilers
- Annex 5 - modern structure, commercial kitchen access
- Annex 6 - historic structure, pump room
- Annex 8a - historic structure with modifications, security office
- Annex 9a -
- Annex 10a - historic structure with modifications, offices space
- Annex 12 - modern structure, plant room
- Annex 13 - modern structure, plant room
- Annex 20a - modern structure, plant room

Significance:

The Locomotive Workshop was the heart of the enterprise at the Eveleigh Railway Workshops site. Established in 1887, it was one of the foremost railway workshops in the world and the largest in Australia. The Workshop contained all trades necessary to fully construct or repair a steam locomotive and was the primary centre of railway construction in NSW until the opening of Chullora Workshops in 1923. The building was also the site of many significant events in the early history of the Australian labour movement, with the railway unions winning many concessions for workers that are now taken for granted. The site was also a major centre of the Australian Communist Party in the mid-20th century. The sheer scale of the workshops and the diversity of activities undertaken within them is a testament to both the importance of the railways in the development of 19th and 20th century NSW and to the skill of the large workshop which operated at the site for 100 years.

Assessed Significance: State

Endorsed Significance: State

Historical Notes:

Constructed: 1887

ATP S170 Register

The Locomotive Workshops commenced construction in 1887 and was originally built in two parts. Bays 1 to 4, at the east end, contained the 'dirty' trades such as blacksmithing and boilermaking, while Bays 5 to 15 contained the machining, tooling and assembly areas, with the two buildings separated by an open area. This area was infilled in 1905 to become Bay 4A and the boilermaking function extended into it. The Loco Workshops were the hub of locomotive manufacture from the 1880s to the 1930s, when many functions were progressively relocated to the newly-constructed Chullora Workshops. Surrounding the Loco Workshops were separate buildings (now gone) containing auxiliary trades such as springmaking, pattern making, welding, coppersmithing and foundry work. The Loco Workshops employed vast numbers of employees in these trades and many lived nearby in working class suburbs such as Redfern and Erskineville. By the 1960s, the Workshops had begun to wind down as the NSW Railways changed technology to diesel from steam. The Workshops finally shut in 1988 and were converted to the Australian Technology Park in the mid-1990s.

Current Use: Commercial office &
exhibition space

Former Uses: Railway workshops

Physical Condition:

Externally, the condition of the building ranges from good to poor, with significant structural defects noted in the southern walls of Bays 1 to 4. The building as a whole exhibits a patina of heavy wear and use, mixed with modern materials.

Internally the building is generally in good condition. Several leaks have been noted in the roof of Bays 1 & 2. Structural issues to the south walls of Bays 1 & 2 are under investigation (July/August 2008)

Recommended Management:

Update the Conservation Management Plan for the building. Investigate structural issues in Bay 1 & 2 South Wall. Investigate roof leakage issues in Bays 1 & 2. Undertake routine maintenance in accordance with normal practice.

References:

Butcher, R K 2004, The Great Eveleigh Railway Workshops. Publisher: The Author.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 481.
 - 2 Otto Cserhalmi and Partners 2002, 'Eveleigh Railway Locomotive Workshops Conservation Management Plan'. Reference: .
 - 3 Otto Cserhalmi & Partners 2002, 'Eveleigh Railway Locomotive Workshops - Fabric Inventory'. Reference: .
 - 4 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: .
-

Listings:

- 1 *Heritage Act - State Heritage Register: State Heritage Register*
Listing date: 4 Feb 99. Reference Number: 1140
 - 2 *Heritage Act - s.170 NSW State agency heritage register: Redfern-Waterloo Authority S170 Register*
Listing date: . Reference Number: 4745501
 - 3 *Regional Environmental Plan: Sydney REP No 26*
Listing date: . Reference Number: Part 2-1
-

Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 24 Aug 2008 *Status:* Completed

ATP S170 Register



**Locomotive Workshops
outside Bay 4**

File: 4745501_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745501_1t.jpg



**Locomotive Workshops
outside Bay 4**

File: 4745501_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745501_2t.jpg

ATP S170 Register



**Locomotive Workshops
outside Bay 8**

File: 4745501_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745501_3t.jpg



**Locomotive Workshops, north
side**

File: 4745501_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745501_4t.jpg

ATP S170 Register



Locomotive Workshops, west side

File: 4745501_5.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745501_5t.jpg

ATP S170 Register

<i>SHI No.:</i> 4745 502	<i>Name:</i> Works Managers' Office (former) (International Business Centre)	<i>Location:</i> NA	
<i>Other name(s):</i>	International Business Centre		

Description:

The former Works Managers' Office retains most of the features from its 1940s incarnation. Internally however the building has been completely reconfigured. The building is a two storey rendered masonry structure with a T-shaped floor plan, with the short leg of the T formed by the 1940s extension on the east end. The building is painted off-white with maroon trim and detailing. A green corrugated metal gabled roof runs the length of the main building, with a double gabled roof on the 1940s extension at 90 degrees. A bull-nosed verandah supported on decorative cast iron columns with iron lace capitals wraps around the west end of the building. Entry to the building is via a door in the east end, which had had a new light and access secure plate glass doors installed in place of the original doors. All external windows have been replaced with non-opening double glazed windows. Metal sun awnings have been installed along some of the first floor windows along the north side of the building. A large freestanding air conditioning plant has been installed on the hardstand area to the north of the building.

Internally, the building has been completely reconfigured. The floor layout consists of small offices and meeting rooms either side of a long central corridor which runs east-west through the building. A lobby area and new staircase have been installed in the ground floor of the 1940s extension at the east end of the building. The first floor of this section is one large office space. New staircases have also been installed in the middle of the building and at the west end.

The only remnant internal features are some sections of ashlar render and render baseboard along the central corridors on both floors. In the first floor corridor is a series of iron rungs built into the wall which provide access to the bell tower.

Externally, the building has a brick retaining wall and staircase along the east end and part of the north wall, where the embankment has been cut back for the building. An interpretive sign has been installed near the south-eastern corner of the building.

Significance:

The Works Manager's Office is one of the few remaining original components of the Eveleigh Railway Workshops. The building was part of the original construction of the Workshops in the 1880s and served as the location of the Works Manager and the pay office for the site. The building also contained the Timekeeper's Office and a bell on the top of the building rang the start and end of shift and controlled the actions of workers at the site. The building was substantially expanded in 1922 as a part of the larger changes to the Locomotive Works during that period. The building demonstrates the separation of management from the main workforce and the manner in which control was exercised over the workforce. While modified, the building retains enough key features to demonstrate its original function within the site.

Assessed Significance: State

Endorsed Significance: State

Historical Notes:

Constructed: 1887-1947

The Works Managers' Office was built in 1887 as a part of the original construction of the Railway Workshops, which incorporated both the Locomotive Workshops on the south side of the rail line and the Carriage Workshops on the north side of the line. The building was the seat of administrative control within the site, containing both the pay office and the Timekeepers' Office. A large brass bell contained within a decorative cast iron bell tower rang the start and end of shift on the site. The building is located in the north-east corner of the Locomotive Workshops site.

A major expansion was undertaken at the Locomotive Workshops between 1918 and 1928 and the Works Managers' Office was extended at the western end in 1922. The twin gabled two-storey building was extended by 36 feet on both stories along the western side. This change moved the bell tower into the centre of the building, whereas previously it had been located on the west end. The bull-nosed verandah was also extended around the building at this time. Historic photographs from the early to mid 20th century show that the bell had been removed from the building for a period, but it has been reinstated. The bell is no longer functional.

Between 1944 and 1947 a twin gabled extension was added to the east end of the building to provide additional administrative office space. The extension is turned 90 degrees from the main building, giving the structure a T shaped plan. The extension was undertaken in sympathy to the main building in terms of proportion and materials.

ATP S170 Register

The building ceased to operate as the Works Managers' Office in the 1980s when the overall Workshops site was shut down.

In 1994/5 the building was the first of the buildings on site to be renovated for the establishment of the Australian Technology Park and is now known as the International Business Centre. The building was reconfigured internally at that time and contains essentially no original features. Externally the building is somewhat modified but not essentially changed from its 1940s configuration.

Current Use: Offices

Former Uses: Offices

Modification(s): 1887-Built; 1922 - Extended to the west; 1944 - Extended to the east; 1994/5 - Converted to the International Business Centre.

Bell tower was removed and reinstated at unknown dates in the mid 20th century.

Physical Condition:

Generally good with only superficial wear to paint. A small fire was started by vandals outside the building in early 2008 which caused only minimal damage to the building exterior.

Recommended Management:

Prepare a Conservation Management strategy for the building. Undertake routine maintenance in accordance with normal practice.

For interpretive purposes, consider installing a system to ring the bell on top of the building for special occasions. An electronic, remote operated ringing mechanism would be acceptable provided it is not visible from the ground.

Consider removing the fluorescent light fitting above the main entrance and replacing it with an appropriate period light fitting.

Should a major refit be considered to the IBC, investigate the reinstatement of the original floor plan and staircase arrangement.

Consider replacing metal double glazed windows with traditional double hung timber windows once the present windows reach the end of their life.

References:

Butcher, R K , The Great Eveleigh Railway Workshops.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 482.

Listings:

- 1 *Heritage Act - State Heritage Register: State Heritage Register*
Listing date: 4 Feb 99. Reference Number: 1140
- 2 *Heritage Act - s.170 NSW State agency heritage register: Redfern-Waterloo Authority S170 Register*
Listing date: . Reference Number: 4745502
- 3 *Regional Environmental Plan: Sydney REP No 26*
Listing date: 16 Jul 93. Reference Number: Part 2-3

Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 24 Aug 2008 *Status:* Completed

ATP S170 Register



File: 4745502_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_1t.jpg



File: 4745502_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_2t.jpg

ATP S170 Register



File: 4745502_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_3t.jpg



File: 4745502_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_4t.jpg

ATP S170 Register



File: 4745502_5.jpg

Copyright:

Image by:

Date:

Thumbnail: 4745502_5t.jpg



Front elevation

File: 4745502_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_1t.jpg

ATP S170 Register



Side view

File: 4745502_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_2t.jpg



Bell

File: 4745502_3.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_3t.jpg

ATP S170 Register



Interior

File: 4745502_4.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_4t.jpg



Side view

File: 4745502_5.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745502_5t.jpg

ATP S170 Register

SHI No.: 4745 503	Name: Engine Shop (former) (National Innovation Centre; New Locomotive Shop)	Location: NA	
Other name(s):	National Innovation Centre; New Locomotive Shop		

Description:

The former Engine Shop consists of a large masonry building with a corrugated metal roof. The building presents as two storeys externally but has been reconfigured internally to provide three levels. The Engine Shop was built in two sections - the northern section was built in 1907 and consisted of two long bays running north-south with large doors in either end, capable of allowing locomotives in and out of the building. Along the side, the building was divided into 8 bays highlighted with decorative brick pilasters. In 1914, the building was extended to the south. This new section has seven bays along the and a five segment sawtooth roof, facing south. The bays on the sides of the buildings each contain a pair of openable steel arched windows with sandstone sills at the lower level, with another pair of smaller, non-opening steel framed windows with brick sills at the top level. The ends of the buildings repeat this fenestration pattern, with the top arches of the windows picked out in polychrome brick. The external configuration of the building is little changed, save for the loss of the original arched timber doors at either end of the building. A pair of arched timber doors stands permanently open in the centre of the west wall, with the entrance closed off by a new glass foyer inserted within the door opening.

Internally, the building would have originally been one large space which was subdivided as required. An overhead travelling crane ran the length of the building above the west bay. This crane is still present, now fixed in position above the lobby of the building. The interior is supported on a frame of steel columns with a steel roof truss structure. With the conversion of the building into office space in the 1990s, the interior was fitted out with three levels of office accommodation built within the existing building envelope. The lobby area in the middle of the building is the only remaining full height space within the structure. A few historic features have been retained, including the overhead travelling crane, a jib hoist and a row of washbasins.

Externally, a new freestanding, two storey plant room has been built on the east side of the building which contains the air conditioning and other major physical plant for the building.

Significance:

The Engine Shop is one of the few remaining original components of the Eveleigh Railway Workshops. The Engine Shop was added to the site to facilitate the construction of locomotive engines on site, allowing other functions in the Locomotive Workshops to be reorganised. The building served as the workshop where many of the workshops used by the NSW Railways were constructed and maintained in the 20th century.

While modified, the building retains enough key features to demonstrate its original function within the site.

Assessed Significance: State

Endorsed Significance: State

Historical Notes:

Constructed: 1907

The Engine Shop (originally known as the New Locomotive Shop) was constructed in 1907 to allow the construction of new locomotive engines at Eveleigh. The building was extended to the south in 1914. The building served as the main location for construction of locomotive engines on the site, until such construction ceased altogether in 1952. The building became disused in 1988 when the Workshops were finally shut down and was converted to its present use as commercial office space in the mid-1990s.

Current Use: Offices

Modification(s): 1914 - building extended to the south

Former Uses: Locomotive engine workshop

1952 - construction of new locomotives ceased

Mid-1990s - converted into the National Innovation Centre

Physical Condition:

The building is fully tenanted as commercial office space and is generally in good condition. The following minor maintenance issues were noted:

Several sandstone sills show evidence of damage and spalling. These should be inspected by a stone specialist and

ATP S170 Register

repaired with a sacrificial render, indented and repaired or replaced, as recommended.

Growth of vegetation in some masonry joints. Vegetation should be poisoned, removed and joints repointed as required.

Steel windows show signs of spot rust. Windows should be treated with a rust inhibitor and repainted. Windows with structural rust damaged should be repaired to match the original window profile.

Recommended Management:

Prepare a Conservation Management Strategy for the building. Undertake routine maintenance in accordance with normal practice.

References:

Butcher, R K 2004, The Great Eveleigh Railway Workshops. Publisher: The Author.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 483.

Listings:

- 1 *Heritage Act - State Heritage Register: State Heritage Register*
Listing date: 4 Feb 99. Reference Number: 1140
- 2 *Heritage Act - s.170 NSW State agency heritage register: Redfern-Waterloo Authority S170 Register*
Listing date: . Reference Number: 4745503
- 3 *Regional Environmental Plan: Sydney REP No 26*
Listing date: 16 Jul 93. Reference Number: Part 2 - 2

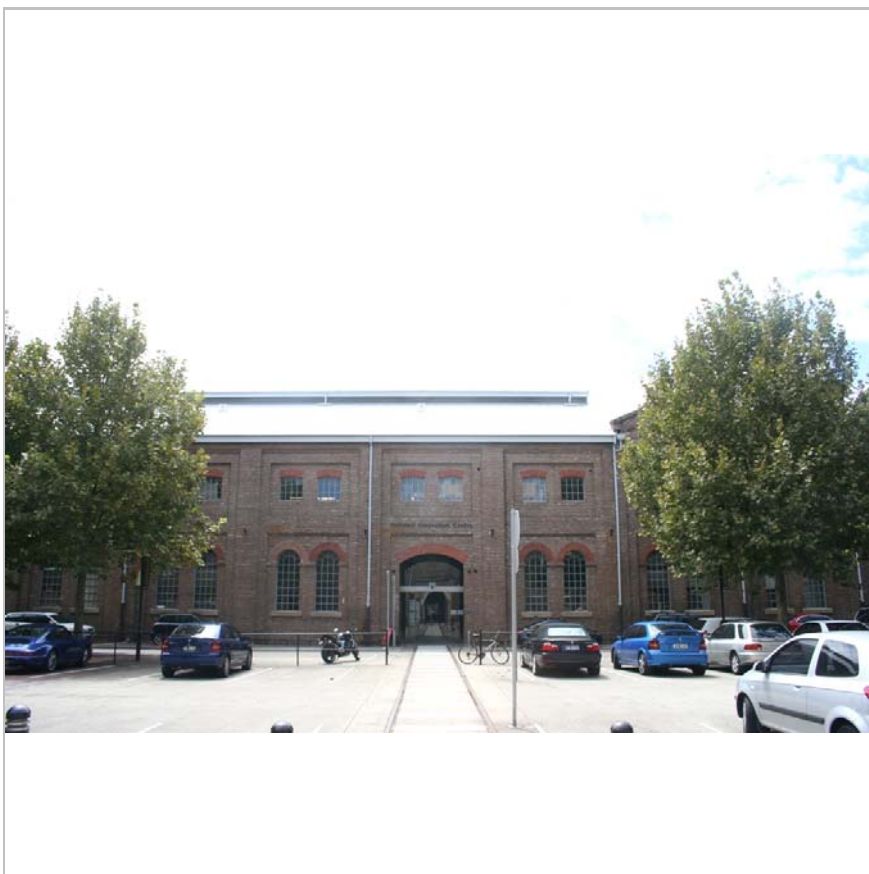
Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 24 Aug 2008 *Status:* Completed



north end

File: 4745503_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745503_1t.jpg

ATP S170 Register



west side

File: 4745503_2.jpg


Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745503_2t.jpg

ATP S170 Register

SHI No.:	Name:	Location:	
4745 504	Water Tower (Water Tank)	NA	
Other name(s):	Water Tank		
Markings	'MAKERS / PERWAY. SHOP / NEWCASTLE / 1926'		

Description:

A square, open-topped tank constructed of riveted wrought iron, atop 16 steel I-beam legs. Water was conveyed into and out of the tank via a pair of pipes on the underside. A metal maker's plate is mounted on the north side. The legs are secured via cross-bracing.

Significance:

The Water Tower is typical of late 19th century railway water towers, consisting of an open-topped riveted wrought iron tank on a metal stand. This tank, while typical of those used throughout the NSW railway network, is an important contributory element to the Eveleigh Locomotive Workshops Precinct and contributes to the understanding of the place as a site of railway manufacturing enterprise. It is also unusual in an urban context.

Assessed Significance: State

Endorsed Significance: State

Historical Notes:

Constructed: 1925

The specific history of the Water Tower is not known. It was installed on the site in 1925 and is typical of water towers used throughout the railway system in NSW. Water would have been pumped into the tank to serve as a header tank to provide water pressure elsewhere on the site.

Builder:

Builder: Per Way Shop Newcastle

Current Use: Display

Former Uses: Water tower

Physical Condition:

Fair. The tank shows some rust and requires repainting. Rust on the steel legs requires investigation.

Recommended Management:

Remove rust and repaint in micaceous grey oxide. Investigate legs and repair any structural rust.

References:

Butcher, R K 2004, The Great Eveleigh Railway Workshops. Publisher: The Author.

Studies:

- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: 484.

Listings:

- 1 *Heritage Act - State Heritage Register: State Heritage Register*
Listing date: 4 Feb 99. Reference Number: 1140
- 2 *Heritage Act - s.170 NSW State agency heritage register: Redfern-Waterloo Authority S170 Register*
Listing date: . Reference Number: 4745504

Data Entry: *Date First Entered:* 6 Jun 2008 *Date Updated:* 25 Aug 2008 *Status:* Completed

ATP S170 Register



File: 4745504_1.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745504_1t.jpg



name plate detail

File: 4745504_2.jpg

Copyright: ATP

Image by: FuturePast

Date: 1 Mar 08

Thumbnail: 4745504_2t.jpg

ATP S170 Register

SHI No.:	Name:	Location:
4745 505	Eveleigh Locomotive Workshops Machinery Collection	NA

Description:

The vast majority of the equipment is from the Blacksmith's Shop, in Bays 1 and 2 of the Locomotive Workshop and includes steam hammers, forges and the hydraulic power equipment used to operate the equipment. Much of this equipment is in situ, often in association with racks of hand tools used in conjunction with the machinery. The collection also includes a significant number of the machines from the Spring Shop, which was in a now-demolished building, previously located between the Locomotive Workshop and the Engine Shop. A few machines also remain from the Wheel Shop, which was originally in Bays 10 to 12 of the Locomotive Workshop.

Machinery is located throughout the Locomotive Workshop, although the vast majority is located in Bays 1 and 2. Machinery has been relocated and interpreted to other areas of the building, and most bays retain at least one item of machinery, which includes large overhead travelling cranes and small hoists and jib cranes.

See individual machine listing card for details.

Significance:

The Eveleigh Locomotive Workshops Machinery Collection consists of over 400 individual items and represents a significant component of the Eveleigh Railway Workshops and is a substantial remnant of the equipment that was on site during the operational period of the Workshops. The equipment includes a nearly complete assemblage from the Blacksmith's Shop, significant portions of the Spring Shop and Wheel Shop and remnants of the hydraulic power train which drove the equipment. These are the most complete in situ collections of this type in Australia. The machinery demonstrates the evolution in technology and the innovation developed on the site in the construction and maintenance of railway locomotives. Many of the machines demonstrate shop-built modifications and in some cases whole machines are shop-built, which are a testament to the skill and ingenuity of the people who worked on the site. The remaining in situ components of the power systems are rare surviving examples in Australia. As an interpretive resource, the machinery is highly significant to the presentation and understanding of the place and provides a good insight into the changing nature of work and labour in Australia over the course of the 19th and 20th centuries. Elements of the machinery remain functional within the Blacksmith's Shop, which is rare for machinery of this type in Australia.

Assessed Significance: State

Endorsed Significance: State

Historical Notes:

Constructed: 1887-1986

The Eveleigh Locomotive Workshops Machinery Collection represents a range of machinery in use at the Workshops between the 1880s and the 1980s. The collection comprises over two hundred items of machinery, hand tools and fixed equipment which were used in the construction of locomotives on the site. The Workshops were equipped with a large array of machinery and a substantial staff of skilled tradespeople, who could produce a locomotive from the basic components, using parts and tools manufactured on site. The collection includes a small number of machines from pre-1900, which were originally driven by line shafting along the walls of the bays, powered by four large boilers outside the southern side of Bays 1 and 2. The bulk of the machinery remaining on site dates from the first half of the 20th century and includes equipment that was originally driven by line shafting but was later converted to electricity. Some of the machinery was considered cutting edge technology for its day and the vast majority of it was imported from overseas. The steam power system was converted to gas fired boilers from coal fired boilers in xxx.

Towards the end of the operational life of the workshops, some of the machinery had been converted to computer control for extra precision. The Workshops were progressively shut down throughout the 1980s and much of the equipment on site was sold at auction, though many significant components were saved. Many of the retained machines bear a plaque stating "Do Not Scrap - Property of the National Trust", which were installed by stealth by individuals seeking to preserve the collection, however the machinery was never in fact the property of the National Trust. This gentle deception was however instrumental in preventing many of the items from being sold for scrap or dispersed to other workshops. Since the early 1990s, some of the machinery in Bays 1 and 2 South has been in use by a blacksmith. In the 1990s, the site was progressively developed as the Australian Technology Park and Bays 1 and 2 of the Locomotive Workshop were retained to house and interpret machinery from the site. In the early 2000s, while the site was under the control of the Sydney Harbour Foreshore Authority, many of the machines which had been removed from their original contexts were reinstalled near their original functional positions and interpreted.

See the individual listing cards for specific items of machinery for additional historical information, where known.

Designer/Builder: Various

ATP S170 Register

Current Use: Display
Former Uses: Workshop machinery
Modification(s): See individual machine listing card for details. Varies. Most machines show some sign of modification, which may include the installation of safety guards, task lighting or electrification. Some machines are substantially modified or are scratch-built from parts of other machines.

Physical Condition:

Most machinery is under cover but otherwise unmaintained. Dust, grime and surface rust is common on many machines. The machinery that has been interpreted and is on display in Bays 3 to 16 tends to be in better condition and largely free from problems. A small number of machines are badly affected by rust; these are largely those located outside or are partially exposed to the elements.

Some machinery in Bays 1 and 2 South is in operational condition.

See individual machine listing card for details.

Recommended Management:

All individual items of machinery to be tagged in accordance with the S170 Register inventory.

Items identified as significant which are presently stored out of doors are to be relocated under cover, either into Bay 2 North or into appropriate off-site storage.

The collection is not to be further dispersed, except for loans to appropriate institutions under a loan agreement.

Any items which are to be included in an operational lease are to be specifically listed in the lease and maintained in accordance with the recommendations of the S170 Register or further specialist advice, as appropriate.

References:

Butcher, R K 2004, *The Great Eveleigh Railway Workshops*. Publisher: The Author.

Studies:


- 1 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: .
 - 2 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: .
 - 3 Don Godden and Associates 1986, 'Heritage Study of Eveleigh Railway Workshops'. Reference: .
-

Listings:

- 1 *Heritage Act - State Heritage Register: State Heritage Register*
Listing date: 4 Feb 99. Reference Number: 1141
 - 2 *Heritage Act - s.170 NSW State agency heritage register: Redfern-Waterloo Authority S170 Register*
Listing date: . Reference Number: 4745505
 - 3 *Regional Environmental Plan: Sydney REP No 26*
Listing date: 16 Jul 93. Reference Number: Part 2 - 1
-

Data Entry: *Date First Entered:* 10 Jun 2008 *Date Updated:* 24 Aug 2008 *Status:* Completed

ATP S170 Register

<i>SHI No.:</i> 4745 540	<i>Name:</i> Rack of tools between columns (Bay 2 South - Rack D)	<i>Location:</i> 2S 3E	
<i>Other ID nos</i>	1996 inventory no: 102d.		

Description:

Three level tool rack consisting of metal strips bolted together between columns, holding a variety of forging tools. One of 5 racks in Bay 2 South along the eastern side near the forges. This rack is located between columns 2 and 3 and contains approximately 80 fullers.

Significance:

This rack of tools is an integral part of the steam hammer assemblage and is one of the few surviving components of the original 1887 fit-out. It represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines.

Assessed Significance: Local

Endorsed Significance: Local

Historical Notes:

The fixed column racks appear in photographs of the workshops dating to the 1880s and 1890s (e.g. MLGPO 1-06679 and 1-06680) and are believed to have been installed when the workshops opened in 1887. They continue in active use.

Current Use: Workshop storage

Former Uses: Workshop storage

Physical Condition:

Recommended Management:

This item should be retained in service and should be kept dry and under cover at all times. The item should be free of rust, burrs, cracks or other damage before usage. Any surface rust should be treated with an appropriate rust retardant. If required for operation, the item should be lubricated as necessary.

Hand tools which are no longer in an appropriate condition for safe usage should be retained on site as static display items.

Studies:

- 1 Godden Mackay 1996, 'Eveleigh Workshops Management Plan for Moveable Items and Social History'. Reference: 102d.
- 2 Futurepast Heritage Consulting P/L 2008, 'ATP S170 Heritage Register Overview Report'. Reference: .

Listings:

- 1 *Heritage Act - s.170 NSW State agency heritage register:*
Listing date: . Reference Number: 4745540

Data Entry: *Date First Entered:* 13 Aug 2008 *Date Updated:* 25 Aug 2008 *Status:* Basic

ATP S170 Register



File: 4745540_1.jpg
Copyright: ATP
Image by: FuturePast
Date: 1 Mar 08
Thumbnail: 4745540_1t.jpg