

GODDEN
MACKAY

BAY 2 NORTH

Item Name: Rack of Moulds and Templates for Hammer Shop

Item No. 26

Name Plate: N/A

Associated Items:

Individual ☐
 Assemblages ☒ Steam Hammer (1) 26, 27, 28, 34, 36, 37
 Collection ☐
 Systems ☒
 Operational Groups ☒ Steam Hammer Shop. All items in Bay 2N except 38.

Description: Steel rack which is formed out of angle section and bar steel riveted together has tapered ends and supports three steel sheet shelves. The item has two braces on the side and appears to be grossly over-designed. The series of dyes, moulds and templates appear to have been stored here in a random manner when the workshops were to be closed down.

History: The history of the item is unknown but it appears to be of some age. The moulds and templates which it holds are of varying ages and varying conditions.

Function and Operation: The rack was purpose-built to hold a series of moulds.

Location: Bay 2 North 3 West

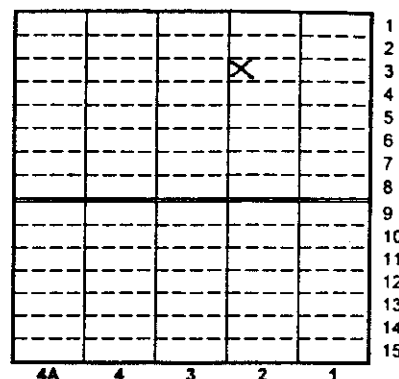
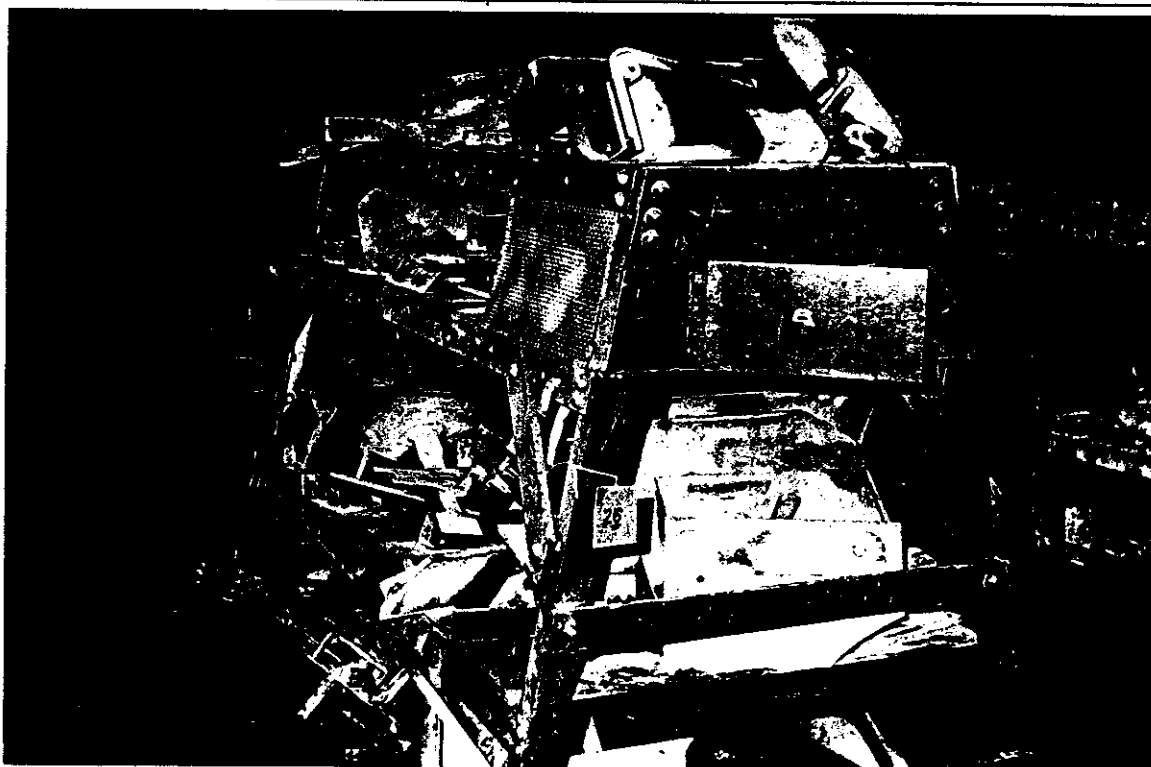


Photo:

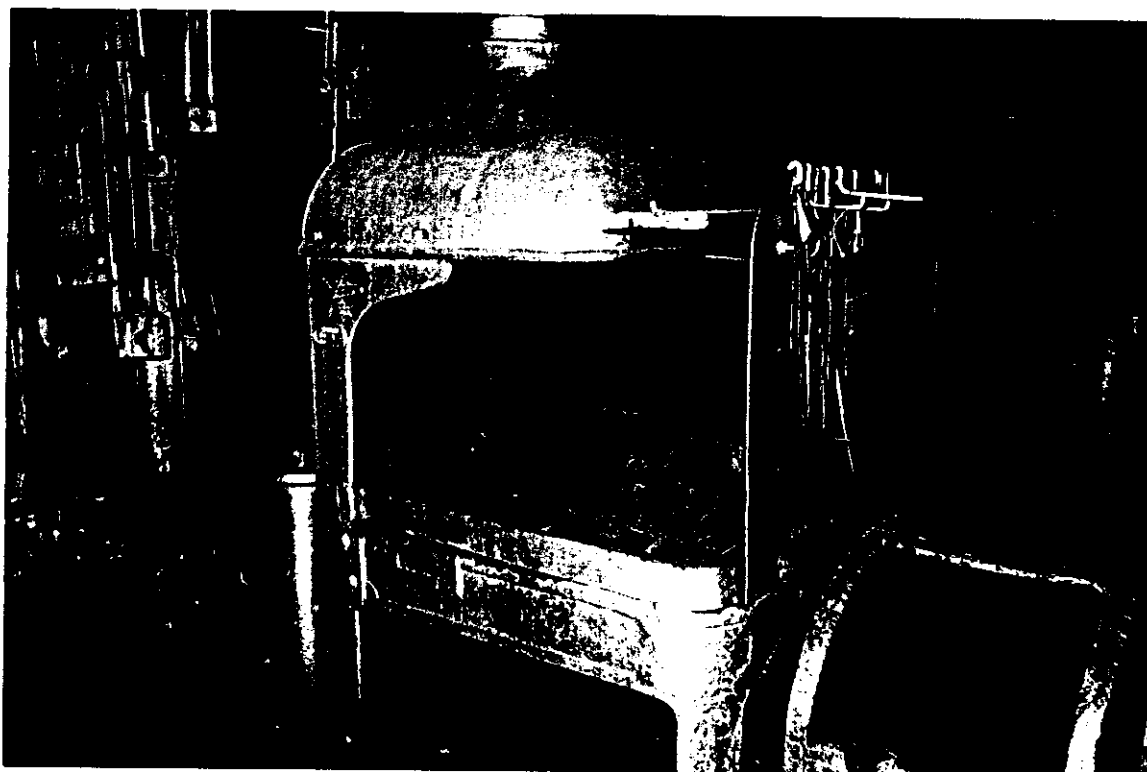
FILM No. 95-169-3-27

Photographed and inspected December 1995



Item Name: Rack of Moulds & Templates for Hammer Shop					Item No. 26																					
Condition: The item is in good/excellent operating condition. The external surface of the item has patches of superficial rust and bare metal.																										
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Historical</th> <th style="text-align: center;">Aesthetic</th> <th style="text-align: center;">Social</th> <th style="text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100px;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>		Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 20 years. The item is an integral part of the steam hammer and oliver systems. The item 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. The item and its operation is easy to interpret from its existing fabric.																										
Conservation Policy: The item is to be retained and be preserved as part of the steam hammer assemblage. It may be repositioned in same bay.																										
Policy Implementation: All items which are not being used in the present operations in Bays 1 & 2 South Should have all external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.																										
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																										
Interpretation:																										

Item Name: The Blacksmiths Forges including coke bins and water tanks.		Item No. 27A-H																																																																																																
Name Plate:																																																																																																		
Associated Items:																																																																																																		
Individual	<input type="checkbox"/>																																																																																																	
Assemblages	<input checked="" type="checkbox"/>	(Steam Hammer 8CWT1, 26, 27AB, 28, 34KJ, 36DF, 37ABC)																																																																																																
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Systems	<input type="checkbox"/>																																																																																																	
Operational Groups	<input checked="" type="checkbox"/>	Steam Hammer Shop. All items in Bay 2N except 38.																																																																																																
Description: 8 of the original 20 cast iron blacksmith forges or furnaces remain in Bay 2 North. The Forges consist of a cast-iron stage or frame which holds the cast-iron fire pan. The rear legs extend about 800mm beyond the fire pan and hold the back plate and support the cast iron hood. The cast iron tuyeres which are of the side-heating design are all water cooled. Each forge is naturally vented through a vertical stack which passes through the roof of the workshop. In some cases, side panels have been added to the forges to contain the heat. The forges are all connected to the sub-floor high volume, low pressure air lines which take air from the Roots blowers located at the south end of Bay 1 to the forges.																																																																																																		
History: Originally the forges were all 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. To this flue was supplied two stacks which passed through the roof of the bay. It is not known where the forges were made but it is believed that they were produced in the Eveleigh Foundry which was originally located outside Bay 4.																																																																																																		
Function and Operation: The forges were all used for heating relatively small items to red or white heat for forging by hand by the blacksmiths or beneath the four steam hammers still located in Bay 2. The forges all used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge.	Location: Bay 2 North 3-7E <div style="text-align: right; margin-top: 10px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>2</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>3</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>4</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>5</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>6</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>7</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>8</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>9</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>10</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>11</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>12</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>13</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>14</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>15</td></tr> <tr> <td>4A</td><td>4</td><td>3</td><td>2</td><td>1</td><td></td> </tr> </table> </div>							1						2						3						4						5						6						7						8						9						10						11						12						13						14						15	4A	4	3	2	1	
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Photo: FILM No. 95-169-3-28 Photographed and inspected December 1995																																																																																																		



Item Name: Blacksmith's Forges					Item No. 27A-H																
Condition: In general, the item appears to be in operable condition providing power sources are connected and the items are cleaned, serviced and tested. The item exhibits heavy rust in places.																					
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Statement of Significance The items were an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 100 years. The items are an integral part of the steam hammer assemblage.																					
Conservation Policy: The items are to be retained in their present location and be preserved as part of the steam hammer assemblage and furnace collection to which they belong.																					
Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. All heavily rusted surfaces should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. Conserve in situ.																					
Maintenance Schedule																					
Interpretation:																					

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Item Name: Davis & Primrose Steam Hammer 1					Item No. 28																						
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.																											
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Statement of Significance The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 90 years. The item is an integral part of the large steam system. The item is a large, rare, industrial piece exhibiting massive cast-iron construction specifically manufactured for the NSW government railways. The item represents former manufacturing technologies now rarely evident in operating workshops. The item is impressive in size and form and exhibits a unity in its design and detail. The item has research and education potential for developing an understanding of early engineering practice. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity.																											
Conservation Policy: The item is to be retained in its present location and be preserved as part of the 8 CWT steam hammer assemblage, the steam hammer collection and the steam system to which it belongs.																											
Policy Implementation: The machine is to be stripped, all cylinders cleaned and dried, all bearings and glands repacked, all internal bare metal surfaces are to be dried and greased to prevent rust. All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. All operating surfaces exhibiting a normally bright finish should be suitably polished and coated with an appropriate sealant such as Shell ENSIS fluid or a polycrystalline wax. Conserve in situ.																											
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section. Every 5 years internal surfaces should be inspected for rust. Any rust or oxidation product must be treated suitably by being removed and coated with an inhibitor and sealant.																											
Interpretation:																											

Item Name: Davis and Primrose Steam Hammer 2

Item No. 29

Name Plate:

Associated Items:

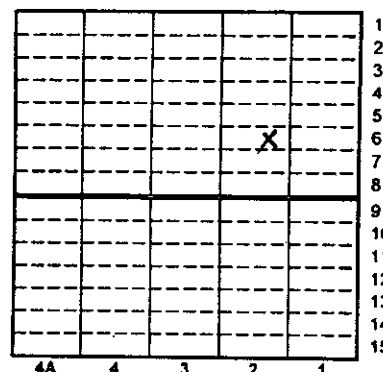
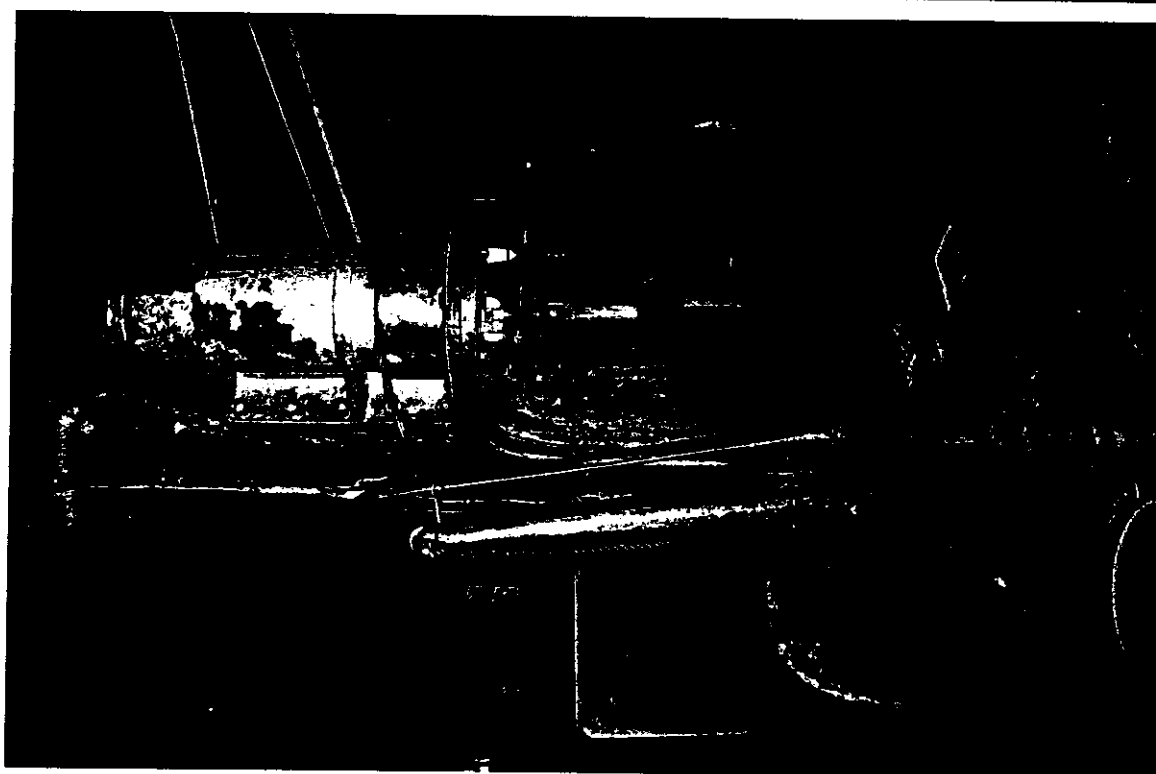
Individual ☐
 Assemblages ☐ Steam Hammer 8CWT2, 26, 27DE, 29, 30, 31A, 34GH, 36G
 Collection ☐ Steam Hammer 28, 29, 31, 32, 54, 57
 Systems ☐ Steam 1-4, 28, 29, 31, 32, 54, 57, 188-191
 Operational Groups ☐ Steam Hammer Shop. All items in Bay 2N except 38.

Description: This vertical, single frame steam hammer delivers a blow of 8.5cwt (430kg). The hammer was powered by steam via an overhead steam line from the boiler headers at the south end of Bay 2. The hammer consists of a cast-iron steel frame, virtually in the form of a C.

History: The steam hammer was installed in this location in 1908. (The 1912 plan of the Eveleigh Railway Workshops SRAO EL W29) indicates a steam hammer in this precise location.

Function and Operation: The steam hammer was 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.

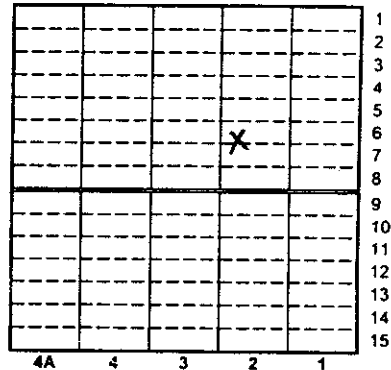
The operating lever is moved with a pumping action and a skilled operator can change both the length of the blow and its rapidity. As the operation of the lever is increased in speed, the speed of the blows delivered is increased. The length of stroke is governed by the distance in which the lever is 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.

Location: Bay 2 North 6E**Photo:****FILM No.** 95-169-3-30**Photographed and inspected** December 1995

Item Name: Davis & Primrose Hammer 8.5CWT					Item No. 29																						
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.																											
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Conservation Policy: The item is to retained in its present location and be preserved as part of the 20CWT steam hammer assemblage, the steam hammer collection and the steam system to which it belongs.																											
Policy Implementation: The machine is to be stripped, all cylinders cleaned and dried, all bearings and glands repacked, all internal bare metal surfaces are to be dried and greased to prevent rust. All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. All operating surfaces exhibiting a normally bright finish should be suitably polished and coated with an appropriate sealant such as Shell ENSIS fluid or a polycrystalline wax. Conserve in situ.																											
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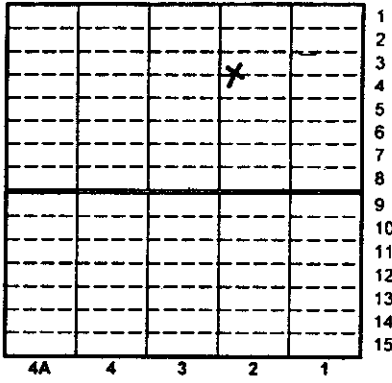
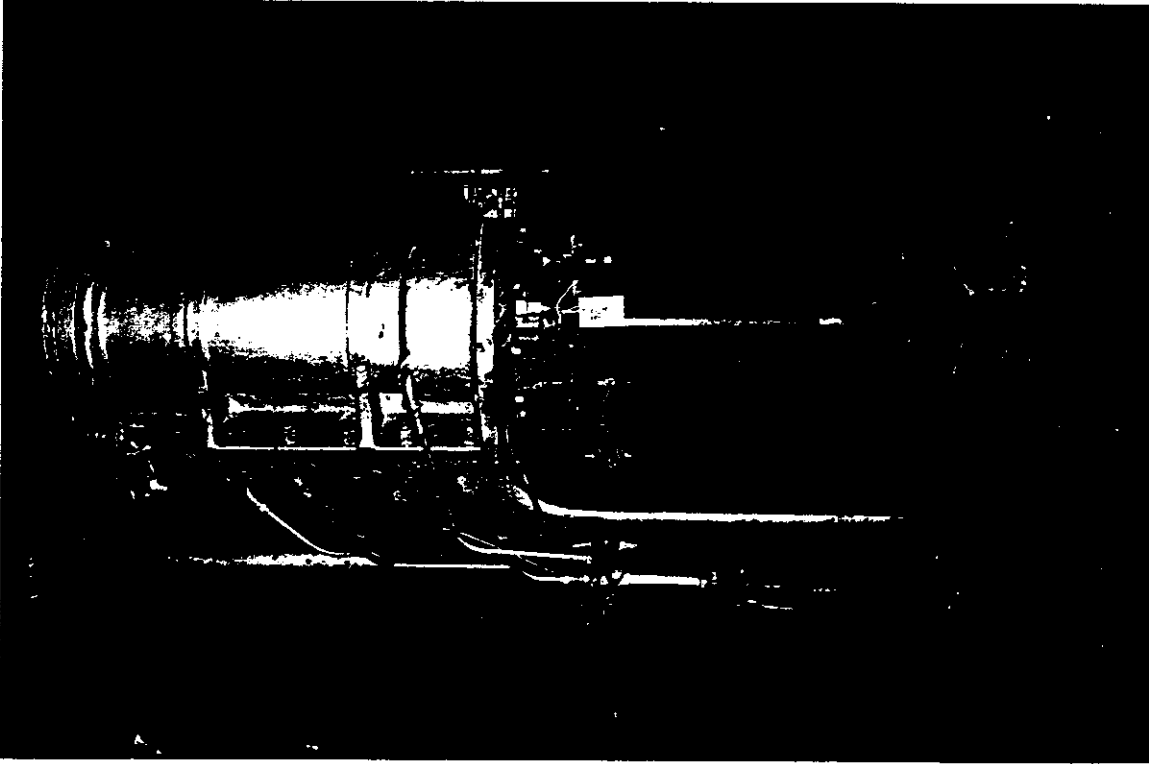
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Item Name: Wall Crane for No.29					Item No. 30																						
Condition: The item is in good structural repair and has no obvious signs of rust.																											
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Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration																										
Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 30 years. The item is an integral part of the forge assemblage. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity.																											
Conservation Policy: The item is to retained in its present location and be preserved as part of the steam hammer assemblage and crane collection to which it belongs.																											
Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. Conserve in situ.																											
Maintenance Schedule Inspect for physical damage and deterioration every 12 months and implement repair as necessary. Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.																											
Interpretation:																											

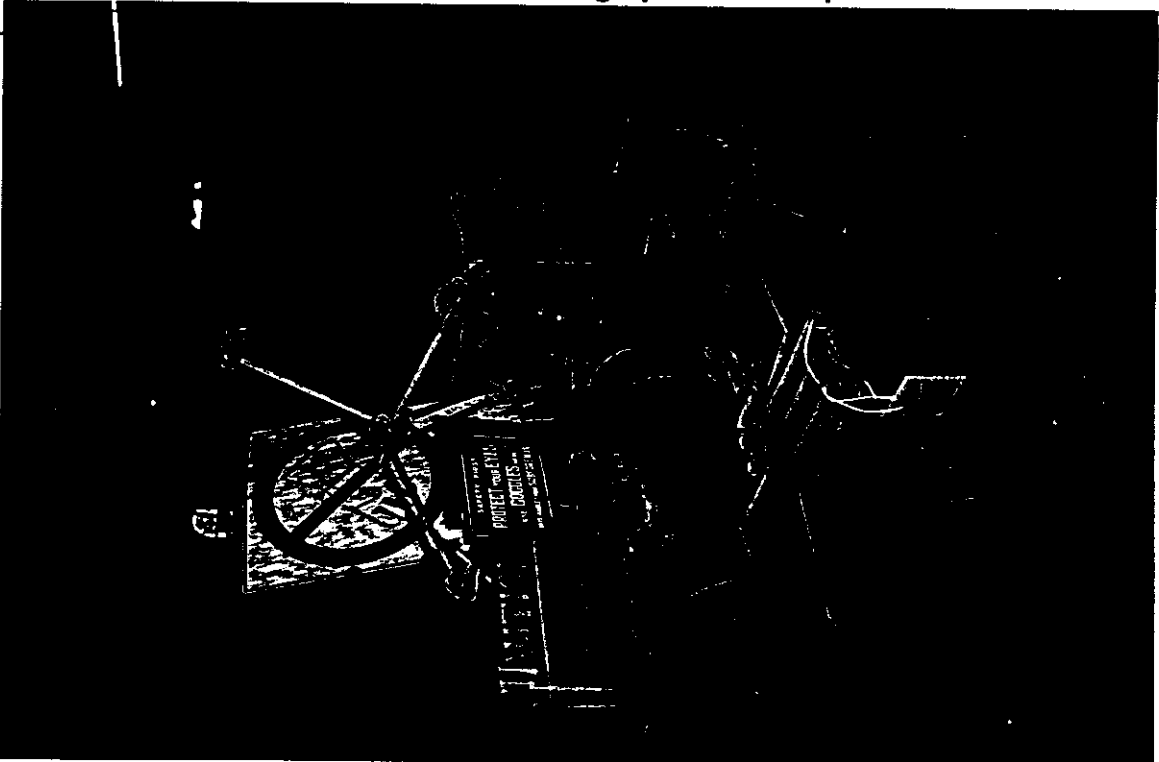
Item Name: Davis and Primrose Steam Hammer 3		Item No. 31
Name Plate:		
Associated Items: Individual <input type="checkbox"/> Assemblages <input checked="" type="checkbox"/> Steam Hammer 8CWT3 27DE, 29, 30, 31A, 34GH, 36G Collection <input checked="" type="checkbox"/> Steam Hammer 28, 29, 31, 32, 54, 57 Systems <input checked="" type="checkbox"/> Steam 1-4, 28, 29, 31, 32, 54, 57, 188-191 Operational Groups <input checked="" type="checkbox"/> Steam Hammer Shop. All items in Bay 2N except 38.		
Description: This vertical, single frame steam hammer delivers a blow of 8.5cwt (430kg). The hammer was powered by steam via an overhead steam line from the boiler headers at the south end of Bay 2. The hammer consists of a cast-iron steel frame, virtually in the form of a C.		
History: The steam hammer was installed in this location in 1904. (The 1912 plan of the Eveleigh Railway Workshops SRAO EL W29) indicates a steam hammer in this precise location.		
Function and Operation: The steam hammer was 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 in 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.	Location: Bay 2 North 6W 	
Photo: FILM No. 95-169-3-32 Photographed and inspected December 1995		



Item Name: Davis & Primrose Steam Hammer 3				Item No. 31																						
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.																										
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">Historical</th> <th style="width: 15%; text-align: center;">Aesthetic</th> <th style="width: 15%; text-align: center;">Social</th> <th style="width: 15%; text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table> Specifically manufactured for the NSW Government Railways.					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>		Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration																									
Statement of Significance The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 90 years. The item is an integral part of the large steam system. The item is a large, rare, industrial piece exhibiting massive cast-iron construction specifically manufactured for the NSW government railways. The item represents former manufacturing technologies now rarely evident in operating workshops. The item is impressive in size and form and exhibits a unity in its design and detail. The item has research and education potential for developing an understanding of early engineering practice. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity.																										
Conservation Policy: The item is to be retained in its present location and be preserved as part of the 8CWT2 steam hammer assemblage, the steam hammer collection and the steam system to which it belongs.																										
Policy Implementation: The machine is to be stripped, all cylinders cleaned and dried, all bearings and glands repacked, all internal bare metal surfaces are to be dried and greased to prevent rust. All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. All operating surfaces exhibiting a normally bright finish should be suitably polished and coated with an appropriate sealant such as Shell ENSIS fluid or a polycrystalline wax. Conserve in situ.																										
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section. Every 5 years internal surfaces should be inspected for rust. Any rust or oxidation product must be treated suitably by being removed and coated with an inhibitor and sealant.																										
Interpretation:																										

Item Name: Davis and Primrose Steam Hammer 4		Item No. 32
Name Plate:		
Associated Items: Individual <input type="checkbox"/> Assemblages <input checked="" type="checkbox"/> Steam Hammer 8cwt4 32, 34BCD, 36E Collection <input checked="" type="checkbox"/> Steam Hammer 28, 29, 31, 32, 54, 57 Systems <input checked="" type="checkbox"/> Steam 1-4, 28, 29, 31, 32, 54, 57, 188-191 Operational Groups <input checked="" type="checkbox"/> Steam Hammer Shop. All items in Bay 2N except 38.		
Description: This vertical, single frame steam hammer delivers a blow of 8.5cwt (430kg). The hammer was powered by steam via an overhead steam line from the boiler headers at the south end of Bay 2. The hammer consists of a cast-iron steel frame, virtually in the form of a C.		
History: The steam hammer was installed in this location in 1904. (The 1912 plan of the Eveleigh Railway Workshops SRAO EL W29) indicates a steam hammer in this precise location.		
Function and Operation: The steam hammer was 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 in 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.	Location: Bay 2 North 3-4W 	
Photo: FILM No. 95-169-3-33 Photographed and inspected December 1995		
		


Item Name: Davis & Primrose Steam Hammer 4					Item No. 32																						
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.																											
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">Historical</th> <th style="width: 15%; text-align: center;">Aesthetic</th> <th style="width: 15%; text-align: center;">Social</th> <th style="width: 15%; text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table> Specifically manufactured for the NSW Government Railways.					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Category</td> <td style="width: 35%;"><input type="checkbox"/> Moveable Item</td> <td style="width: 50%;"><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>			Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Statement of Significance The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 90 years. The item is an integral part of the large steam system. The item is a large, rare, industrial piece exhibiting massive cast-iron construction specifically manufactured for the NSW government railways. The item represents former manufacturing technologies now rarely evident in operating workshops. The item is impressive in size and form and exhibits a unity in its design and detail. The item has research and education potential for developing an understanding of early engineering practice. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity.																											
Conservation Policy: The item is to be retained in its present location and be preserved as part of the 8cwt4 steam hammer assemblage, the steam hammer collection and the steam system to which it belongs.																											
Policy Implementation: The machine is to be stripped, all cylinders cleaned and dried, all bearings and glands repacked, all internal bare metal surfaces are to be dried and greased to prevent rust. All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. All operating surfaces exhibiting a normally bright finish should be suitably polished and coated with an appropriate sealant such as Shell ENSIS fluid or a polycrystalline wax. Conserve in situ.																											
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section. Every 5 years internal surfaces should be inspected for rust. Any rust or oxidation product must be treated suitably by being removed and coated with an inhibitor and sealant.																											
Interpretation:																											

Item Name: Frazing and Grinding Wheel		Item No. 33																																																																																
Name Plate:																																																																																		
Associated Items: Individual <input type="checkbox"/> Assemblages <input type="checkbox"/> Collection <input checked="" type="checkbox"/> Frazing Wheels 33, 78, 82, 83, 92 Systems <input type="checkbox"/> Operational Groups <input checked="" type="checkbox"/> Steam Hammer Shop. All items in Bay 2N except 38.																																																																																		
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 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 Workshops.																																																																																		
History: 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.																																																																																		
Function and Operation: 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 cleaning of hot steel as it comes from the forge.	Location: Bay 2 North 5E <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td>X</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table> <div style="display: flex; justify-content: space-around; font-size: small;"> 4A4321 </div> <div style="display: flex; align-items: center; justify-content: flex-end; font-size: small;"> <div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 </div>																									X																																																								
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Photo: FILM No. 95-169-3-34 Photographed and inspected December 1995																																																																																		
																																																																																		

Item Name: Frazing & Grinding Wheel		Item No. 33																					
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.																							
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Historical</th> <th style="text-align: center;">Aesthetic</th> <th style="text-align: center;">Social</th> <th style="text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>			Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100px;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>	Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 60 years. The item is an integral part of the steam hammer assemblage. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item exhibits a high degree of structural integrity.																							
Conservation Policy: The item is to retained in its present location and be preserved as part of the steam hammer assemblage and frazing wheel collection to which it belongs. The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.																							
Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. A heavily rusted surface should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. Conserve in situ.																							
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																							
Interpretation:																							

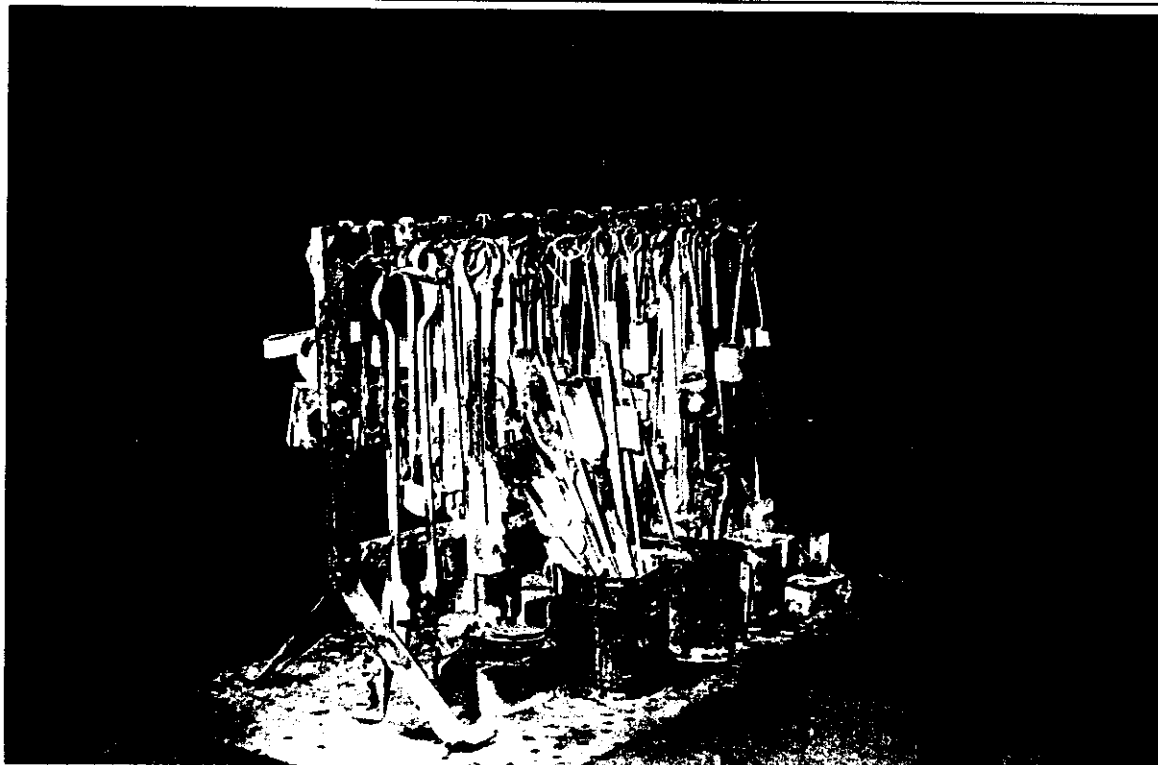
GODDEN MACKAY PTY LTD, 78 GEORGE ST, REDFERN NSW 2016 PH: (02) 319 4811

Item Name: Tool Racks Between Columns					Item No. 34A-L																					
Condition: The item is in good/excellent operating condition. The external surface of the item has patches of superficial rust and bare metal.																										
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Historical</th> <th style="text-align: center;">Aesthetic</th> <th style="text-align: center;">Social</th> <th style="text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Representative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100px;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>		Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration																									
Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 20 years. The item is an integral part of the steam hammer and oliver systems. The item 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. The item and its operation is easy to interpret from its existing fabric.																										
Conservation Policy: The item is to retained in its present location and be preserved as part of the steam hammer assemblage, and hand tool collections.																										
Policy Implementation: All items which are not being used in the present operations in Bays 1 & 2 South should have all external surfaces cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.																										
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																										
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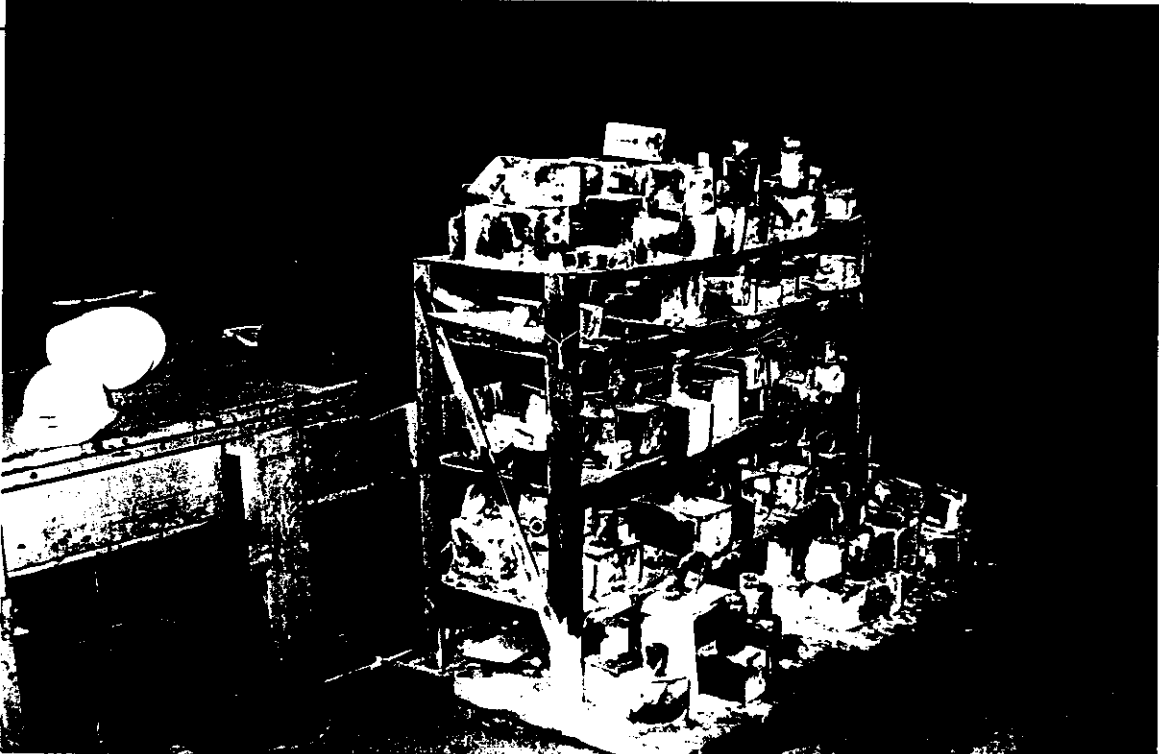
Item Name: Hot Metal Circular Saw		Item No. 35																																																																																																
Name Plate:																																																																																																		
Associated Items: Individual <input type="checkbox"/> Assemblages <input type="checkbox"/> Collection <input type="checkbox"/> Systems <input type="checkbox"/> Operational Groups <input checked="" type="checkbox"/>																																																																																																		
Steam Hammer Shop. All items in Bay 2N except 38.																																																																																																		
Description: This small, circular saw has a cast-iron frame and bed and is mounted at the south end of Bay 2 North. It is powered by an elevated electric motor which is mounted on the adjacent column and powers the saw through a fabric belt. It would appear that the saw has been mounted in this position for some time and it is probable that it was originally driven by a belt from the line shaft.																																																																																																		
History: The history of the item is unknown but it is believed to have been in this location since the steam hammer shop was established. The item appears in the plan of the Eveleigh Workshops in 1912 (SRAO ELW 29).																																																																																																		
Function and Operation: Used for cutting hot steel - and for this purpose has an unusually thick blade.	Location: Bay 2 North 7W <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>2</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>3</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>4</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>5</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>6</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>7</td></tr> <tr><td></td><td></td><td></td><td></td><td>X</td><td>8</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>9</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>10</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>11</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>12</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>13</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>14</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>15</td></tr> <tr> <td>4A</td><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr> </table>							1						2						3						4						5						6						7					X	8						9						10						11						12						13						14						15	4A	4	3	2	1	
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Photo: FILM No. 95-169-3-36 Photographed and inspected December 1995																																																																																																		
																																																																																																		

Item Name: Hot Metal Circular Saw				Item No. 35																
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.																				
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Historical</th> <th style="text-align: center;">Aesthetic</th> <th style="text-align: center;">Social</th> <th style="text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: Category <input type="checkbox"/> Moveable Item <input type="checkbox"/> Industrial Relic Themes <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
	Historical	Aesthetic	Social	Technology/ Research Potential																
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Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																
Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 60 years. The item is an integral part of the steam hammer assemblage. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item exhibits a high degree of structural integrity.																				
Conservation Policy: The item is to be retained in its present location and be preserved as part of the steam hammer assemblage and fraizing wheel collection to which it belongs. The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below. Conserve in situ.																				
Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. A heavily rusted surface should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.																				
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																				
Interpretation:																				

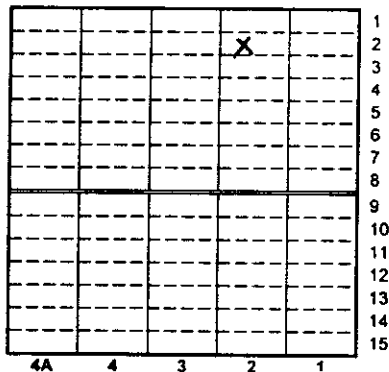
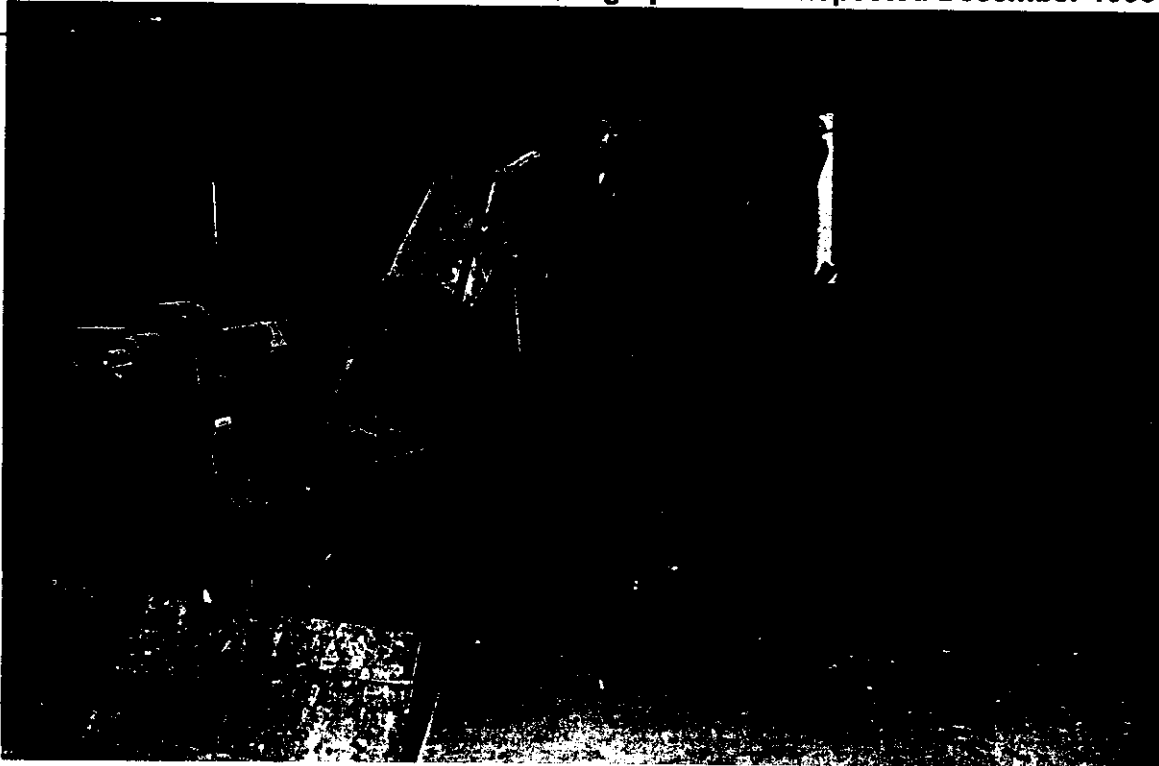
Item Name: Tool Racks Portable		Item No. 36A-F
Name Plate:		
Associated Items:		
Individual <input type="checkbox"/>		
Assemblages <input type="checkbox"/>	Steam Hammer 20 CWT 46, 47, 57, 66E	
Collection <input type="checkbox"/>	Hand tools/ Racks 34A-L, 36A-D, 62A-E, 66A-H, 71, 100A-D, 102A-D	
Systems <input type="checkbox"/>		
Operational Groups <input type="checkbox"/>	Steam Hammer Shop. All items in Bay 2N except 38.	
Description: There are a number of portable tool racks in Bay 2 North which hold fullers, swages and spring fullers and swages. They are generally formed from bar steel and consist of converted Y-shaped ends and three horizontal bars. In some instances hooks have been riveted to the top bar to hold the items. In other cases the items are simply slung over the bar.		
History: The history of the items is unknown but it would appear that they are of early construction.		
Function and Operation: The tool racks held those series of tools for use by the blacksmith in forging. The advantage of these tool racks is that it was possible to move them from one location in the workshop to another and to provide ready access to different types of tools for the different forging operations.	Location: Bay 2 North 1-7 <div style="text-align: center; margin-top: 10px;"> </div>	
Photo: FILM No. 95-169-1-3 Photographed and inspected December 1995		



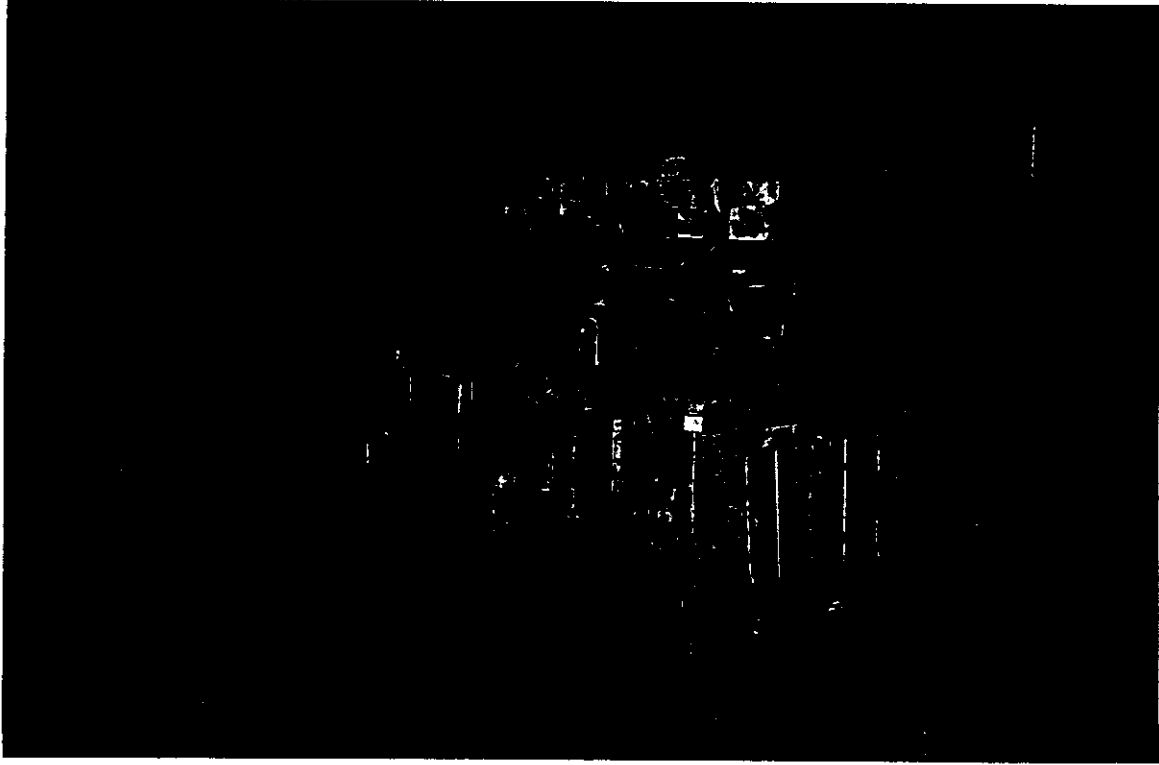
Item Name: Tool Racks - Portable					Item No. 36A-F																						
Condition: The item is in good/excellent operating condition. The external surface of the item has patches of superficial rust and bare metal.																											
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">Historical</th> <th style="width: 15%; text-align: center;">Aesthetic</th> <th style="width: 15%; text-align: center;">Social</th> <th style="width: 15%; text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>						Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>		Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration																										
Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 20 years. The item is an integral part of the steam hammer and oliver systems. The item 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. The item and its operation is easy to interpret from its existing fabric.																											
Conservation Policy: The item is to retained in its present location and be preserved as part of the steam hammer assemblage, and hand tool collections. Conserve in situ.																											
Policy Implementation: All items which are not being used in the present operations in Bays 1 & 2 South should have all external surfaces cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.																											
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																											
Interpretation:																											

Item Name: Benches for Moulds, Dyes, Templates and Tools.		Item No. 37A-I																																																																											
Name Plate:																																																																													
Associated Items: Individual <input type="checkbox"/> Assemblages <input checked="" type="checkbox"/> Steam Hammer 20 CWT 46, 47, 57, 66E Collection <input type="checkbox"/> Systems <input type="checkbox"/> Operational Groups <input checked="" type="checkbox"/> Steam Hammer Shop. All items in Bay 2N except 38.																																																																													
Description: These small benches vary in size and construction but normally consist of four legs made from angle steel and angle steel rails which hold sheet steel shelves. They are normally braced by diagonal strap steel at each end. The dyes, moulds and templates on them were for varying use with the steam hammers and various forging operations that took place in the Bay 2 North.																																																																													
History:																																																																													
Function and Operation:	Location: Bay 2 North 1-6 <table border="1" style="border-collapse: collapse; text-align: center; width: 100%;"> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td>X</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table>																														X																																														
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Photo: FILM No. 95-169-1-4 Photographed and inspected December 1995																																																																													
																																																																													

Item Name: Racks for Moulds, Dies, Templates & Tools					Item No. 37A-I																						
Condition: The items are in good/excellent operating condition. The external surface of the items have patches of superficial rust and bare metal.																											
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Historical</th> <th style="text-align: center;">Aesthetic</th> <th style="text-align: center;">Social</th> <th style="text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>			Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
	Historical	Aesthetic	Social	Technology/ Research Potential																							
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Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration																										
Statement of Significance: The items were an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 20 years. The items are an integral part of the steam hammer assemblage. The items represent former manufacturing technologies now rarely evident in operating workshops. The items evidence the versatility of the workshops in the manufacture of tools and machines. The items and their operation is easy to interpret from its existing fabric.																											
Conservation Policy: The items are to be retained in this present location and be preserved as part of the steam hammer assemblage, and hand tool collections. Conserve in situ - may reposition in same bay.																											
Policy Implementation: All items which are not being used in the present operations in Bays 1 & 2 South should have all external surfaces cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.																											
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																											
Interpretation:																											

Item Name: Lathe Bed		Item No. 38
Name Plate: NSW6 J Whitworth & Co Manchester		
Associated Items: Individual <input type="checkbox"/> Assemblages <input type="checkbox"/> Collection <input checked="" type="checkbox"/> Lathes 38, 107, 109, 131, 141, 167, 168, 200 Systems <input type="checkbox"/> Operational Groups <input type="checkbox"/>		
Description: This extremely heavy lathe bed, partial headstock and partial tail stock is all that remains of one of the oldest lathes in the workshop. The bed is in excess of four metres long, is about 400mm wide and 800mm high. The ways of the bed are machined cast iron. 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.		
History: The lathe was manufactured for the New South Wales Government by Whitworth and Company of Manchester, England, in 1883. It was installed in the workshops in 1887. It is unlikely that this was its original location and it does not appear on the 1912 drawing (SRAO ELW29).		
Function and Operation: The function and operation of the lathe are unknown.		Location: Bay 2 North 1W 
Photo: FILM No. 95-169-1-5 Photographed and inspected December 1995		
		

Item Name: Lathe Bed					Item No. 38																					
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.																										
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">Historical</th> <th style="width: 15%;">Aesthetic</th> <th style="width: 15%;">Social</th> <th style="width: 15%;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>		Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration																									
Statement of Significance 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 research and education potential for developing an understanding of early engineering practice.																										
Conservation Policy: The item is to be retained in its present location. The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.																										
Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. Conserve in situ.																										
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																										
Interpretation:																										

Item Name: Workbench with 6-inch Vice		Item No. 39																																																																																																
Name Plate:																																																																																																		
Associated Items: Individual <input type="checkbox"/> Assemblages <input type="checkbox"/> Collection <input type="checkbox"/> Systems <input type="checkbox"/> Operational Groups <input checked="" type="checkbox"/> Spring Shop 123-125, 149-157, 159, 161																																																																																																		
Description: The workbench is an extremely solid timber bench with a sheet-steel cover and a very heavy forged vice.																																																																																																		
History: 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.																																																																																																		
Function and Operation: The bench could be used for all metal working operations, the sheet steel top preventing damage to the wood. The two drawers to the front were normally used for storing bench tools.	Location: Bay 2 North 5 East <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>2</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>3</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>4</td></tr> <tr><td></td><td></td><td></td><td></td><td>X</td><td>5</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>6</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>7</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>8</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>9</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>10</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>11</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>12</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>13</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>14</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>15</td></tr> <tr> <td>4A</td><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr> </table>							1						2						3						4					X	5						6						7						8						9						10						11						12						13						14						15	4A	4	3	2	1	
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Photo: FILM No. 95-169-1-6 Photographed and inspected December 1995																																																																																																		
																																																																																																		

Item Name: Work Bench (Timber) With 6" Vice					Item No. 39																						
Condition: The item is in good/excellent operating condition. The external surface of the item has patches of superficial rust and bare metal.																											
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Historical</th> <th style="text-align: center;">Aesthetic</th> <th style="text-align: center;">Social</th> <th style="text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>			Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 20 years. The item is an integral part of the steam hammer assemblage. The item represents former manufacturing technologies now rarely evident in operating workshops.																											
Conservation Policy: The item is to be retained in its present location and be preserved as part of the steam hammer assemblage, and hand tool collections.																											
Policy Implementation: All items which are not being used in the present operations in Bays 1 & 2 South should have all external surfaces cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.																											
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																											
Interpretation:																											

Photo: **FILM No. 95-169-1-7** **Photographed and inspected December 1995**



Item Name: Dual Grinder					Item No. 40																						
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.																											
Significance Matrix <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Historical</th> <th style="text-align: center;">Aesthetic</th> <th style="text-align: center;">Social</th> <th style="text-align: center;">Technology/ Research Potential</th> </tr> </thead> <tbody> <tr> <td>Rare</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Representative</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>					Historical	Aesthetic	Social	Technology/ Research Potential	Rare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Historical Themes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px;">Category</td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td>Themes</td> <td colspan="2"> <input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration </td> </tr> </table>			Category	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	Themes	<input type="checkbox"/> 13 Transport <input type="checkbox"/> 15 Utilities <input type="checkbox"/> 16 Industry <input type="checkbox"/> 18 Technology <input type="checkbox"/> 20 Government Administration	
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Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 60 years. The item is an integral part of the steam hammer assemblage. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item exhibits a high degree of structural integrity.																											
Conservation Policy: The item is to be retained in its present location and be preserved as part of the steam hammer assemblage and fraizing wheel collection to which it belongs. The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.																											
Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. A heavily rusted surface should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. Conserve in situ.																											
Maintenance Schedule Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																											
Interpretation:																											