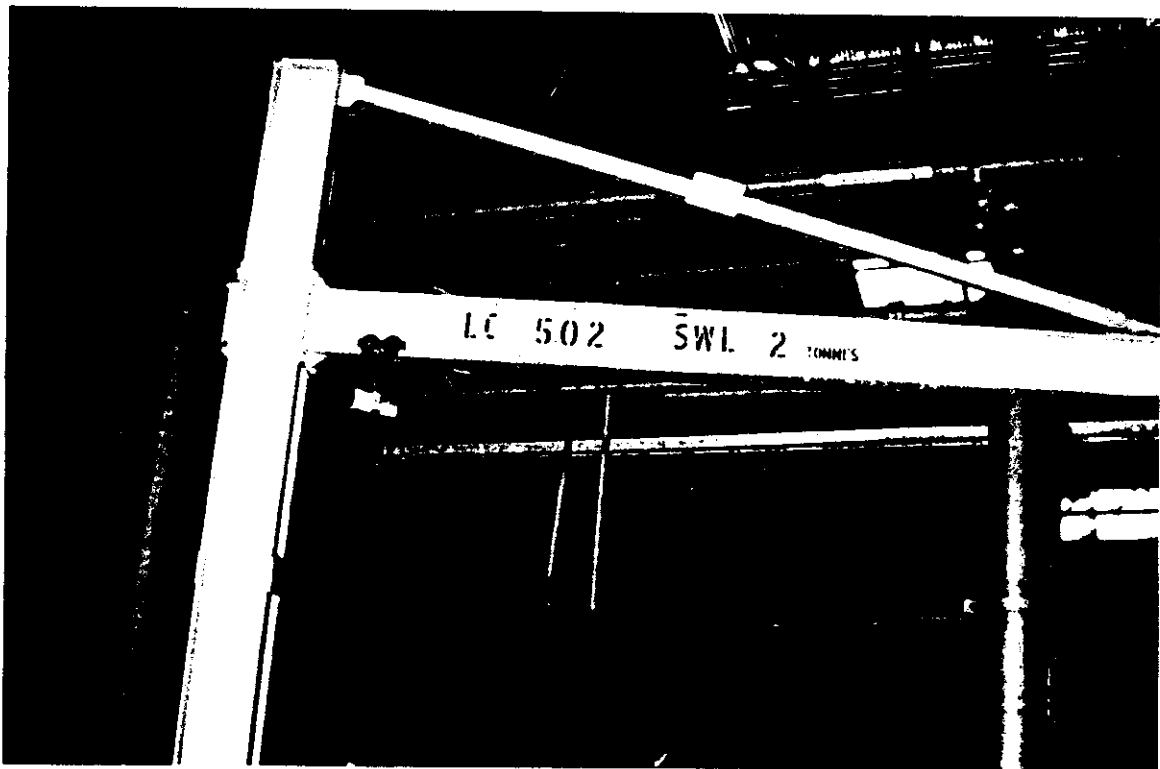


GODDEN  
MACKAY

BAY 2 SOUTH

<b>Item Name:</b> 2-Ton Jib Crane		<b>Item No.</b> 76																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input type="checkbox"/> Collection <input checked="" type="checkbox"/> Jib Cranes 30, 45, 46, 50, 55, 58, 76, 77, 80, 84, 183, 195 System <input type="checkbox"/> Operational Group <input type="checkbox"/>																																																																																																		
<b>Description:</b> This is a small, relatively modern Jib-Crane with a capacity of 2 tonne.																																																																																																		
<b>History:</b> The history is unknown but the item appears to have been introduced immediately before the workshop closed down.																																																																																																		
<b>Function and Operation:</b> The item has a small carriage and was operated by hand.		<b>Location:</b> Bay 2 South 14 West  <table border="1"> <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>X</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						8						9						10						11						12						13					X	14						15	4A	4	3	2	1	
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<b>Photo:</b>	<b>FILM No.</b> 95-169-2-8	<b>Photographed and inspected</b> December 1995																																																																																																



<b>Item Name:</b> 2 Ton Jib Crane					<b>Item No.</b> 76																						
<b>Condition:</b>  The item is in good structural repair and has no obvious signs of rust.																											
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance:</b> 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.																											
<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the forge assemblage and crane collection to which it belongs.																											
<b>Policy Implementation:</b>  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.																											
<b>Maintenance Schedule</b>  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.																											
<b>Interpretation:</b>																											

<b>Item Name:</b> One Tonne Jib-Crane		<b>Item No.</b> 77																																																																																																
<b>Name Plate:</b>																																																																																																		
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<b>Description:</b> 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.																																																																																																		
<b>History:</b>																																																																																																		
<b>Function and Operation:</b> The crane was formerly fitted with a hand operated block and tackle and the operation was done by hand.	<b>Location:</b> Bay 2 South 12 West  <table border="1" style="border-collapse: collapse; text-align: center; width: 100%;"> <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>X</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						8						9						10						11					X	12						13						14						15	4A	4	3	2	1	
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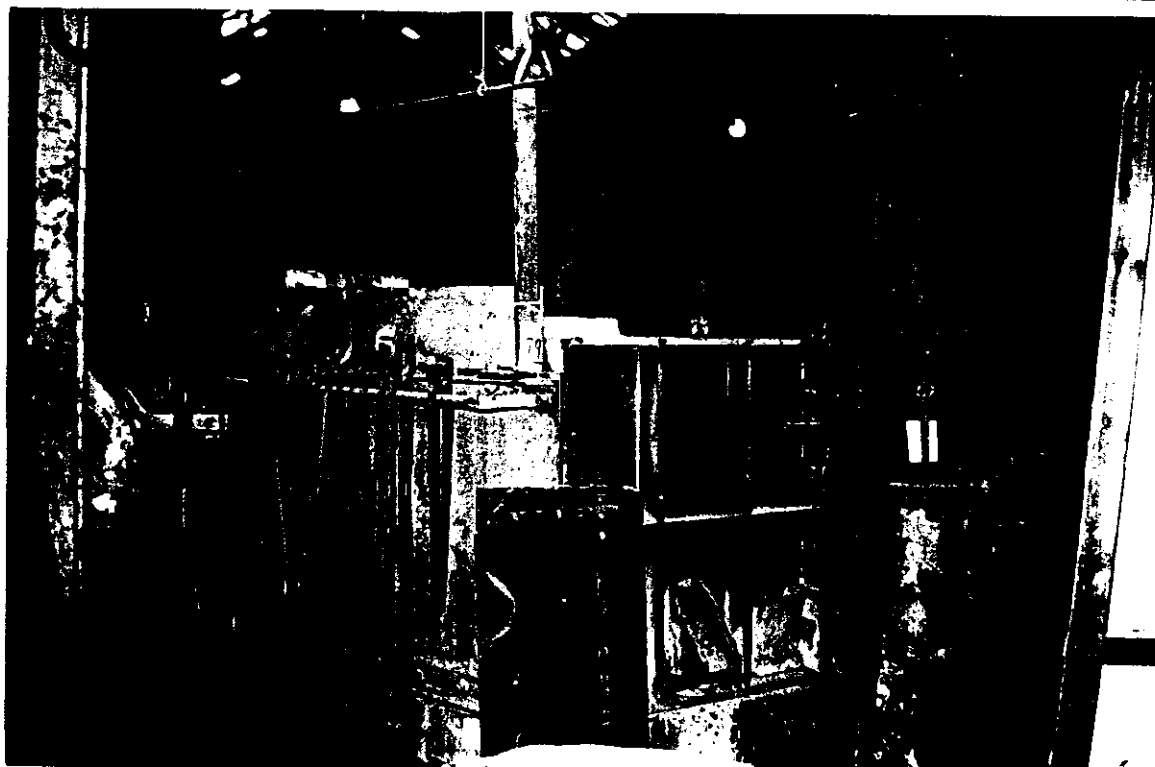


<b>Item Name:</b> 1 Ton Jib Crane					<b>Item No.</b> 77																					
<b>Condition:</b>  The item is in good structural repair and has no obvious signs of rust.																										
<b>Significance Matrix</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;"><b>Category</b></td> <td style="padding: 2px 5px;"><input type="checkbox"/> Moveable Item</td> <td style="padding: 2px 5px;"><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td style="padding: 2px 5px;"><b>Themes</b></td> <td colspan="2" style="padding: 2px 5px;"> <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>	<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance:</b> 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.																										
<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the forge assemblage and crane collection to which it belongs.																										
<b>Policy Implementation:</b>  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.																										
<b>Maintenance Schedule</b>  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.																										
<b>Interpretation:</b>																										

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

<b>Item Name:</b> Frazing Wheel & Saw					<b>Item No.</b> 78																					
<b>Condition:</b> 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.																										
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100px;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance:</b> The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 60 years. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item exhibits a high degree of structural integrity.																										
<b>Conservation Policy:</b>  The item is to be retained in its present location and be preserved as part of 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.																										
<b>Policy Implementation:</b>  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.																										
<b>Maintenance Schedule</b>  Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.  Conserve in situ.																										
<b>Interpretation:</b>																										

<b>Item Name:</b> Furnace for the Ajax Forming Machine		<b>Item No.</b> 79																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input type="checkbox"/> Ajax 79, 80, 81, 82, 100C Collection <input type="checkbox"/> Furnaces 47, 48, 53, 56, 59, 79, 86, 95, 97, 99, 106, 110, 111, 129, System <input type="checkbox"/> 159, 161, 198 Operational Group <input type="checkbox"/>																																																																																																		
<b>Description:</b> 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.																																																																																																		
<b>History:</b> The history of the item is not known but it appears to have been departmental built and mounted in this position for some years.																																																																																																		
<b>Function and Operation:</b> The item was used for heating sections before being formed in the Ajax Forming Machine. The precise method of operation is unknown.	<b>Location:</b> Bay 2 South 12 West  <table border="1" style="border-collapse: collapse; text-align: center; width: 100%;"> <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>X</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						8						9						10						11				X		12						13						14						15	4A	4	3	2	1	
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<b>Photo:</b> <b>FILM No.</b> 95-169-2-11 <b>Photographed and inspected</b> December 1995																																																																																																		





<b>Item Name:</b> Furnace for Ajax					<b>Item No.</b> 79																						
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The item will need some repair. The item exhibits heavy rust in places. The condition of the power source is unknown and the power source has probably been disconnected.																											
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>Category</b></td> <td style="padding: 2px;"><input type="checkbox"/> Moveable Item</td> <td style="padding: 2px;"><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td style="padding: 2px;"><b>Themes</b></td> <td colspan="2" style="padding: 2px;"> <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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance</b> 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 Ajax forge assemblage.																											
<b>Conservation Policy:</b> The item is to retained in its present location and be preserved and retained as part of the Ajax assemblage and furnace collection system 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.																											
<b>Policy Implementation:</b> 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.																											
<b>Maintenance Schedule</b> Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.																											
<b>Interpretation:</b>																											

Item Name: Jib-Crane

Item No. 80

## Name Plate:

## Associated Items:

- Individual ☐  
 Assemblage ☐  
 Collection ☐ Jib Cranes 30, 45, 46, 50, 55, 58, 76, 77, 80, 84, 183, 195  
 System ☐  
 Operational Group ☐

**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.

## History:

**Function and Operation:** The crane was formerly fitted with a hand operated block and tackle and the operation was done by hand.

**Location:** Bay 2 South 11 West

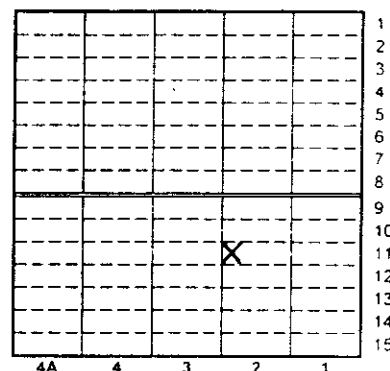


Photo:

FILM No. 95-169-2-12

Photographed and inspected December 1995



<b>Item Name:</b> Jib Crane					<b>Item No.</b> 80																					
<b>Condition:</b>  The item is in good structural repair and has no obvious signs of rust.																										
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>		<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance:</b> The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 30 years. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity.																										
<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the forge assemblage and crane collection to which it belongs.																										
<b>Policy Implementation:</b>  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.																										
<b>Maintenance Schedule</b>  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.																										
<b>Interpretation:</b>																										

Item Name: The Ajax Continuous Forging Machine

Item No. 81

Name Plate:

**Associated Items:**

- Individual ☐  
 Assemblage ☐ Ajax 79, 80, 81, 82, 100C  
 Collection ☐  
 System ☐  
 Operational Group ☐

**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 an electric motor.

**History:** The item was installed in 1922. This was probably its original location although that is unknown.

**Function and Operation:** 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.

Location: Bay 2 South 11 West

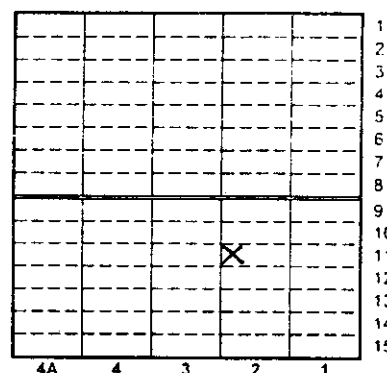
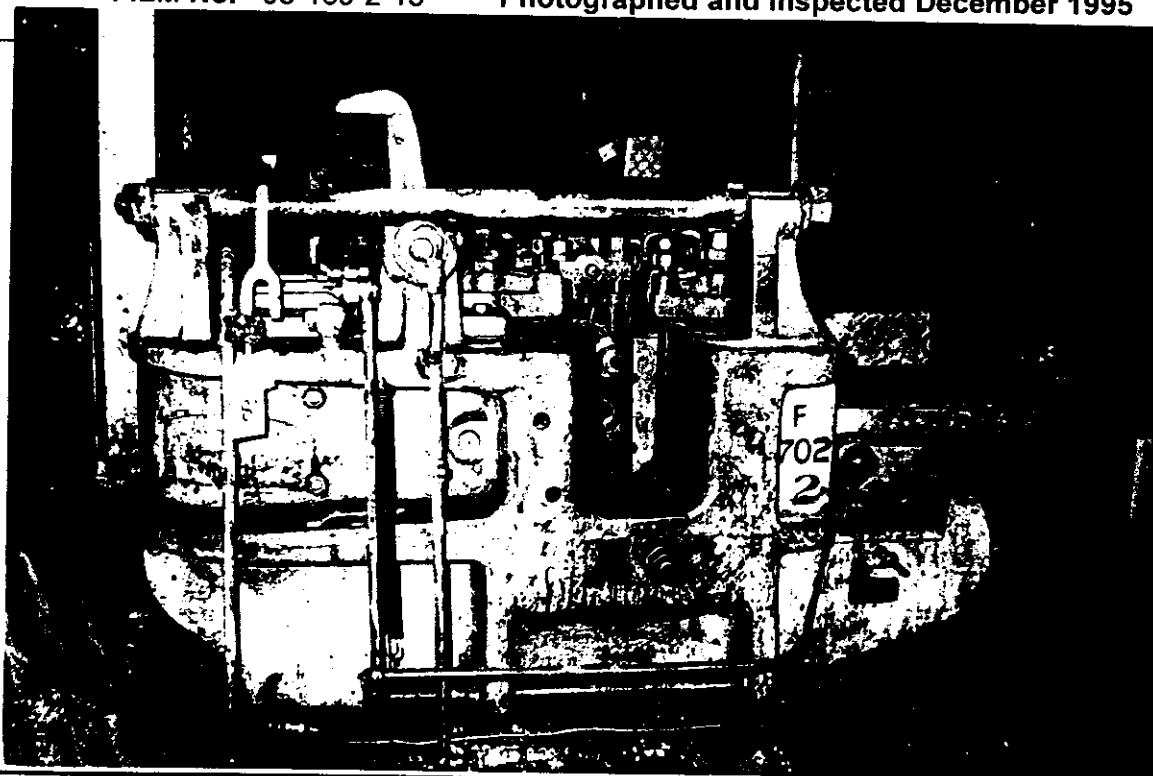


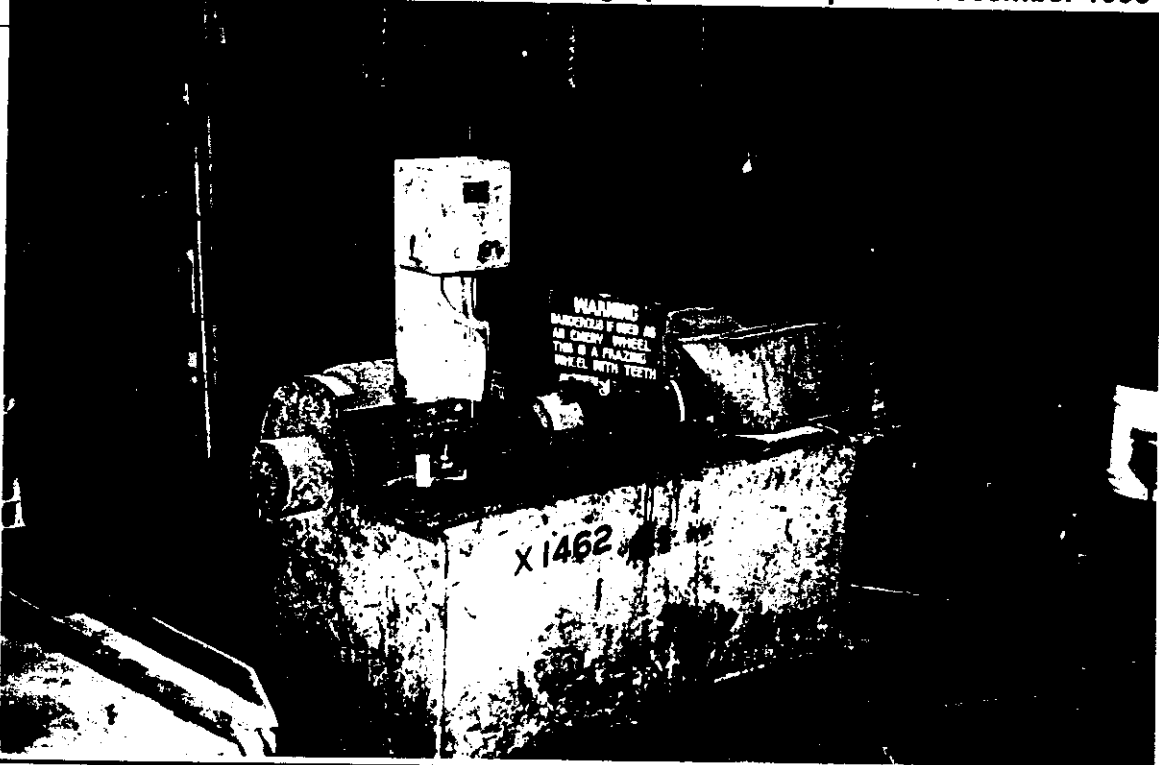
Photo:

FILM No. 95-169-2-13

Photographed and inspected December 1995



<b>Item Name:</b> Ajax Continuous Forging Machine					<b>Item No.</b> 81																						
<b>Condition:</b>  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.																											
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>		<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance</b> The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 65 years. The item is a large, rare, industrial piece exhibiting massive cast-iron construction and which had general engineering application. 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 exhibits a high degree of structural integrity. The item is an integral part of the Ajax assemblage.																											
<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the Ajax assemblage to which it belongs. The item is to remain operational.																											
<b>Policy Implementation:</b>  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. The machine should be serviced by a qualified engineer.  Conserve in situ.																											
<b>Maintenance Schedule</b>																											
<b>Interpretation:</b>																											

<b>Item Name:</b> Frazing Wheel and Saw		<b>Item No.</b> 82																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input checked="" type="checkbox"/> Ajax 79, 80, 81, 82, 100C Collection <input checked="" type="checkbox"/> Frazing Wheels 33, 78, 82, 83, 92 System <input type="checkbox"/> Operational Group <input type="checkbox"/>																																																																																																		
<b>Description:</b> 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.																																																																																																		
<b>History:</b> 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.																																																																																																		
<b>Function and Operation:</b> The frazing wheel was generally used for rough trimming of hot metal and the saw was probably used for trimming hot metal pieces as well.	<b>Location:</b> Bay 2 South 11 West  <table border="1" style="border-collapse: collapse; text-align: center; margin: 10px auto;"> <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>X</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						8						9				X		10						11						12						13						14						15	4A	4	3	2	1	
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<b>Item Name:</b> Frazing Wheel and Saw					<b>Item No.</b> 82																					
<b>Condition:</b> 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.																										
<b>Significance Matrix</b> <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 style="padding: 2px;">Rare</td> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">Representative</td> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>Category</b></td> <td style="padding: 2px;"><input type="checkbox"/> Moveable Item</td> <td style="padding: 2px;"><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td style="padding: 2px;"><b>Themes</b></td> <td colspan="2" style="padding: 2px;"> <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>	<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance:</b> 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 Ajax 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.																										
<b>Conservation Policy:</b>  The item is to be retained in its present location and be preserved as part of the Ajax 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.																										
<b>Policy Implementation:</b>  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 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.																										
<b>Maintenance Schedule</b>  Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																										
<b>Interpretation:</b>																										

<b>Item Name:</b> Frazing and Grinding Wheel		<b>Item No.</b> 83																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input checked="" type="checkbox"/> Covmac 83, 84, 85, 86, 100C Collection <input checked="" type="checkbox"/> Frazing Wheels 33, 78, 82, 83, 92 System <input type="checkbox"/> Operational Group <input type="checkbox"/>																																																																																																		
<b>Description:</b> 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.																																																																																																		
<b>History:</b> 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.																																																																																																		
<b>Function and Operation:</b> 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.	<b>Location:</b> Bay 2 South 10 West  <table border="1" style="margin: 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></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>X</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						8						9				X		10						11						12						13						14						15	4A	4	3	2	1	
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<b>Item Name:</b> Frazing Wheel/ Grinder					<b>Item No.</b> 83															
<b>Condition:</b> 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.																				
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b>  <b>Category</b> <input type="checkbox"/> Moveable Item <input type="checkbox"/> Industrial Relic  <b>Themes</b> <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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Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																
<b>Statement of Significance:</b> 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 Covmac 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.																				
<b>Conservation Policy:</b>  The item is to be 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.																				
<b>Policy Implementation:</b>  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 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.																				
<b>Maintenance Schedule</b>  Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.																				
<b>Interpretation:</b>																				

Item Name: 10CWT Jib-Crane

Item No. 84

Name Plate:

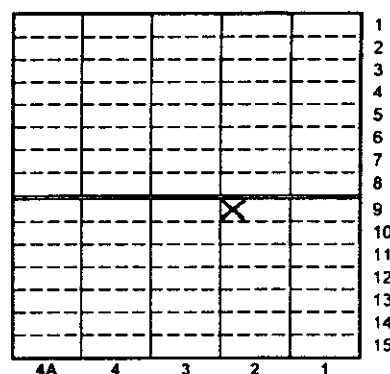
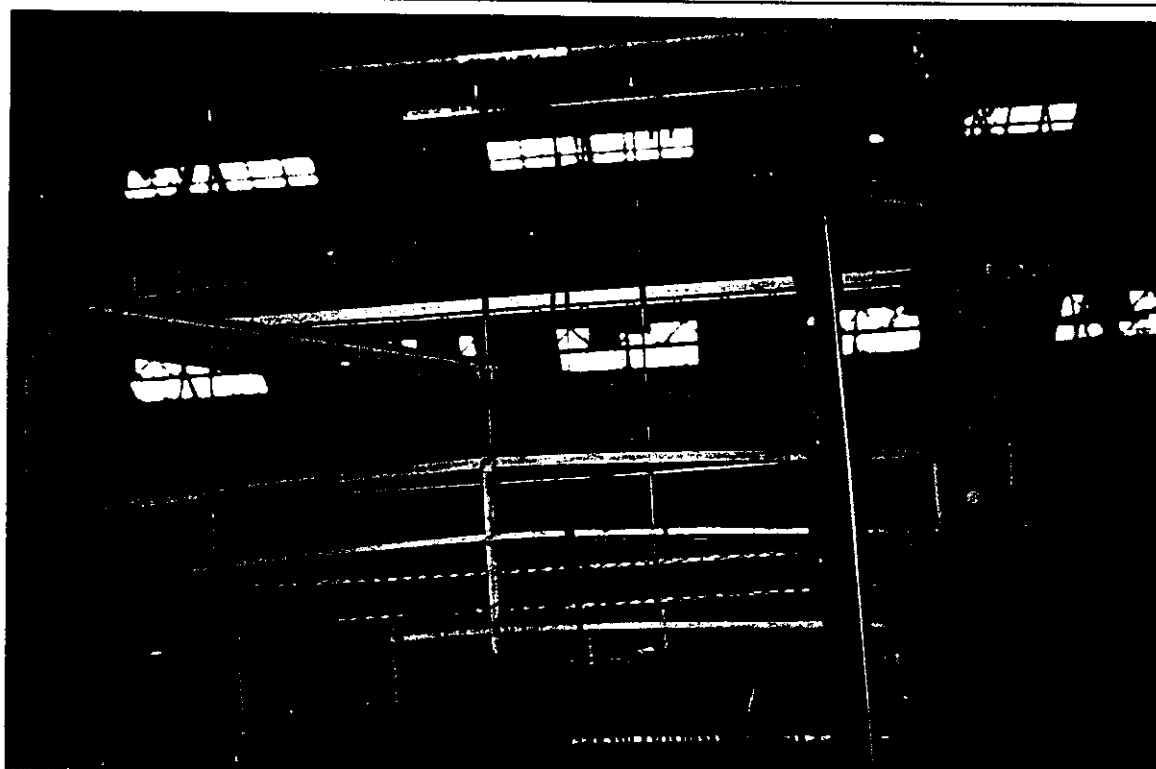
**Associated Items:**

Individual ☐  
Assemblage ☐  
Collection ☒ Jib Cranes 30, 45, 46, 50, 55, 58, 76, 77, 80, 84, 183, 195  
System ☐  
Operational Group ☐


**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 staid by a twin back-to-back angled section sealed piece.

**History:**

**Function and Operation:** The crane was formerly fitted with a hand operated block and tackle and the operation was done by hand.

**Location:****Photo:****FILM No.** 95-169-2-16**Photographed and inspected** December 1995

<b>Item Name:</b> 10 CWT Jib Crane					<b>Item No.</b> 84																						
<b>Condition:</b>  The item is in good structural repair and has no obvious signs of rust.																											
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance:</b> 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.																											
<b>Conservation Policy:</b>  The item is to be retained in its present location and be preserved as part of the crane collection to which it belongs.																											
<b>Policy Implementation:</b>  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.																											
<b>Maintenance Schedule</b>  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.																											
<b>Interpretation:</b>																											

<b>Item Name:</b> The Covmac Continuous Forging Machine		<b>Item No.</b> 85																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input checked="" type="checkbox"/> Covmac 83, 84, 85, 86, 100C Collection <input type="checkbox"/> System <input type="checkbox"/> Operational Group <input type="checkbox"/>																																																																																																		
<b>Description:</b> 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.																																																																																																		
<b>History:</b> The covmac was installed, probably in this position, in 1950.																																																																																																		
<b>Function and Operation:</b> 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.	<b>Location:</b> Bay 2 South 9 West  <table border="1" style="border-collapse: collapse; text-align: center; margin: auto;"> <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>X</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						8				X		9						10						11						12						13						14						15	4A	4	3	2	1	
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<b>Item Name:</b> 'Covmac' Continuous Forging Machine					<b>Item No.</b> 85																						
<b>Condition:</b>  <p>In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.</p> <p>The external surface of the item has patches of superficial rust and bare metal.</p>																											
<b>Significance Matrix</b> <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 style="padding: 5px;">Rare</td> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 5px;">Representative</td> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"><b>Category</b></td> <td style="padding: 5px;"><input type="checkbox"/> Moveable Item</td> <td style="padding: 5px;"><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td style="padding: 5px;"><b>Themes</b></td> <td colspan="2" style="padding: 5px;"> <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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Themes</b>	<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																										
<b>Statement of Significance</b> The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 65 years. The item is a large, rare, industrial piece exhibiting massive cast-iron construction and which had general engineering application. 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 exhibits a high degree of structural integrity. The item is an integral part of the Covmac assembly.																											
<b>Conservation Policy:</b>  <p>The item is to retained in its present location and be preserved as part of the Covmac assembly to which it belongs. The item is to remain operational.</p>																											
<b>Policy Implementation:</b>  <p>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. The machine should be serviced by a qualified engineer.</p> <p>Conserve in situ.</p>																											
<b>Maintenance Schedule</b>																											
<b>Interpretation:</b>																											

Item Name: The Furnace for the Covmac

Item No. 86

## Name Plate:

## Associated Items:

- Individual ☐
- Assemblage ☒ Covmac 83, 84, 85, 86, 100C
- Collection ☒ Furnaces 47, 48, 53, 56, 59, 79, 86, 95, 97, 99, 106, 110, 111, 129,
- System ☐ 159, 161, 198
- Operational Group ☐

**Description:** The small furnace, which was dedicated to the Cogmac 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 space to allow longer stock which was only being headed to be placed in the forge.

**History:** The history of the item is unknown.

**Function and Operation:** Lengths of steel were placed in the machine for heating. It would appear that in some cases the longer lengths of bar or rod could be introduced to the machine through holes in the bottom of the external door. Adjacent to this door there was a bracket which allowed the rod or bar to be supported while one end was being heated.

**Location:** Bay 2 South 9 West

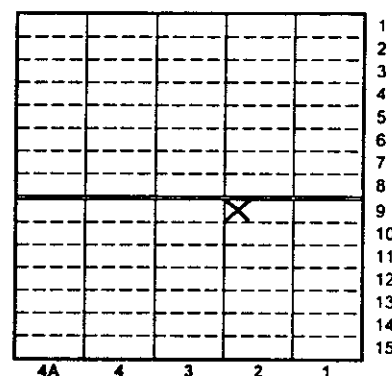
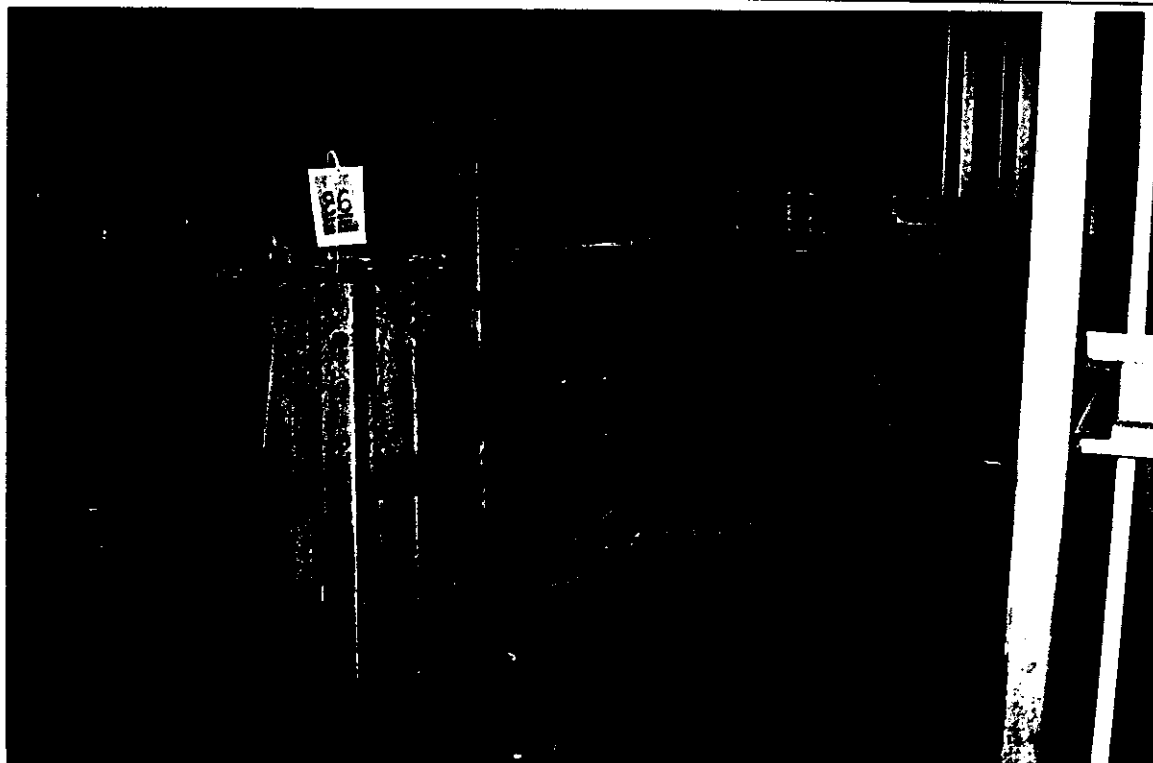


Photo:

FILM No. 95-169-2-18

Photographed and inspected December 1995



<b>Item Name:</b> Furnace for Covmac					<b>Item No.</b> 86																						
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The item will need some repair. The item exhibits heavy rust in places. The condition of the power source is unknown and the power source has probably been disconnected.																											
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance</b> <p>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 Covmac assemblage.</p>																											
<b>Conservation Policy:</b> <p>The item is to be retained in its present location and be preserved and retained as part of the Covmac assemblage and furnace collection system to which it belongs.</p> <p>The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.</p>																											
<b>Policy Implementation:</b> <p>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.</p> <p>All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected.</p> <p>Conserve in situ.</p>																											
<b>Maintenance Schedule</b> <p>Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.</p>																											
<b>Interpretation:</b>																											

Item Name: The Blacksmiths Forge and Coke Bin

Item No.87

## Name Plate:

## Associated Items:

- Individual ☐  
 Assemblage ☐  
 Collection ☐ Forges 27A-H, 44, 59, 87, 88, 90, 93, 97, 99  
 System ☐  
 Operational Group ☐

**Description:** 4 of the original cast iron blacksmiths furnaces remain in Bay 2 South. 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 route 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. This flue ran to 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 South 9 East

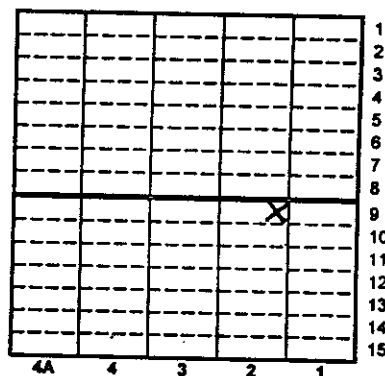
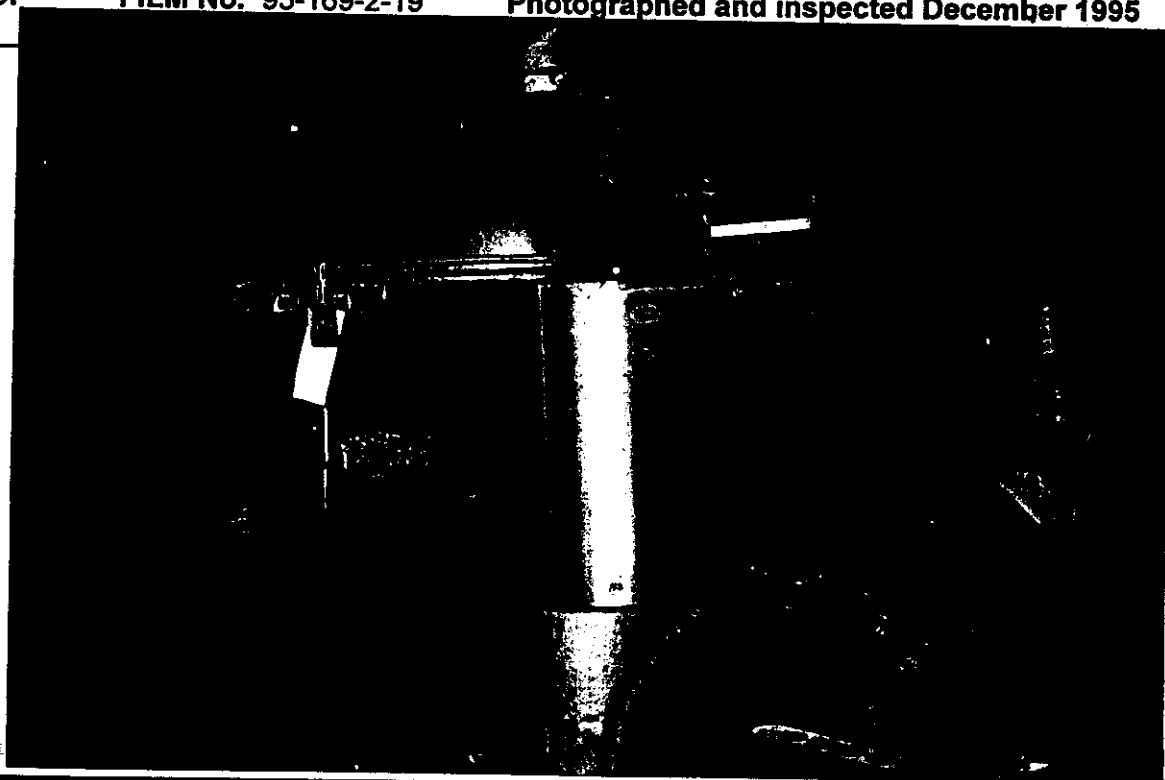


Photo: FILM No. 95-169-2-19

Photographed and inspected December 1995





<b>Item Name:</b> Blacksmith's Forge				<b>Item No.</b> 87																						
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.  The item exhibits heavy rust in places.																										
<b>Significance Matrix</b> <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 style="padding: 2px;">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 style="padding: 2px;">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"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>Category</b></td> <td style="padding: 2px;"><input type="checkbox"/> Moveable Item</td> <td style="padding: 2px;"><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td style="padding: 2px;"><b>Themes</b></td> <td colspan="2" style="padding: 2px;"> <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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the forge collection to which it belongs.																										
<b>Policy Implementation:</b>  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. 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.																										
<b>Maintenance Schedule</b>  Impact every 5 years.																										
<b>Interpretation:</b>																										

Item Name: The Blacksmiths Forge

Item No. 88

## Name Plate:

## Associated Items:

- Individual ☐  
 Assemblage ☐  
 Collection ☒ Forges 27A-H, 44, 59, 87, 88, 90, 93, 97, 99  
 System ☐  
 Operational Group ☐

**Description:** 4 of the original cast iron blacksmiths furnaces remain in Bay 2 South. 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 twears 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 route 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. This flue ran to 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 South 10 East

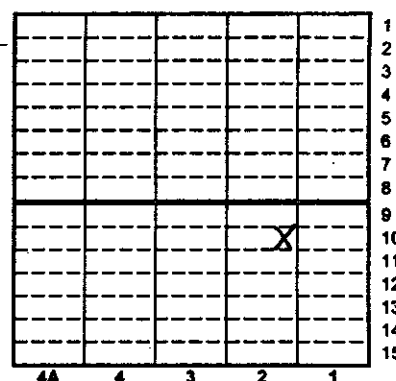
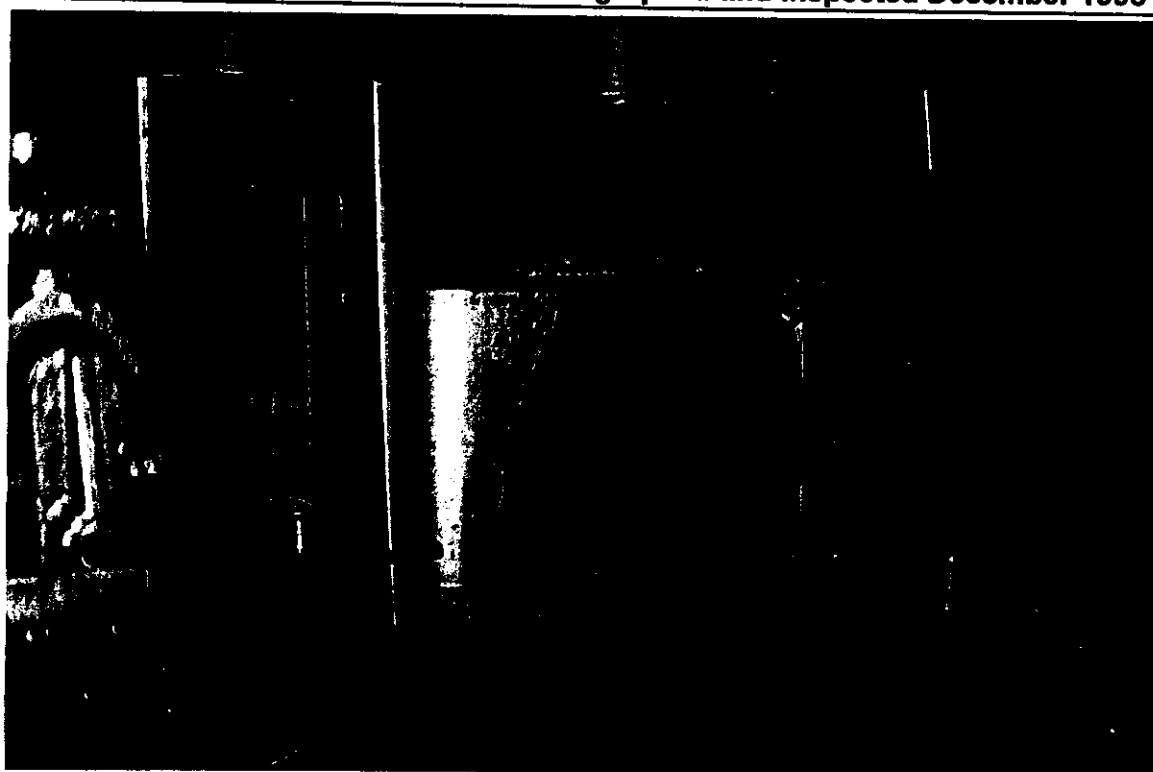


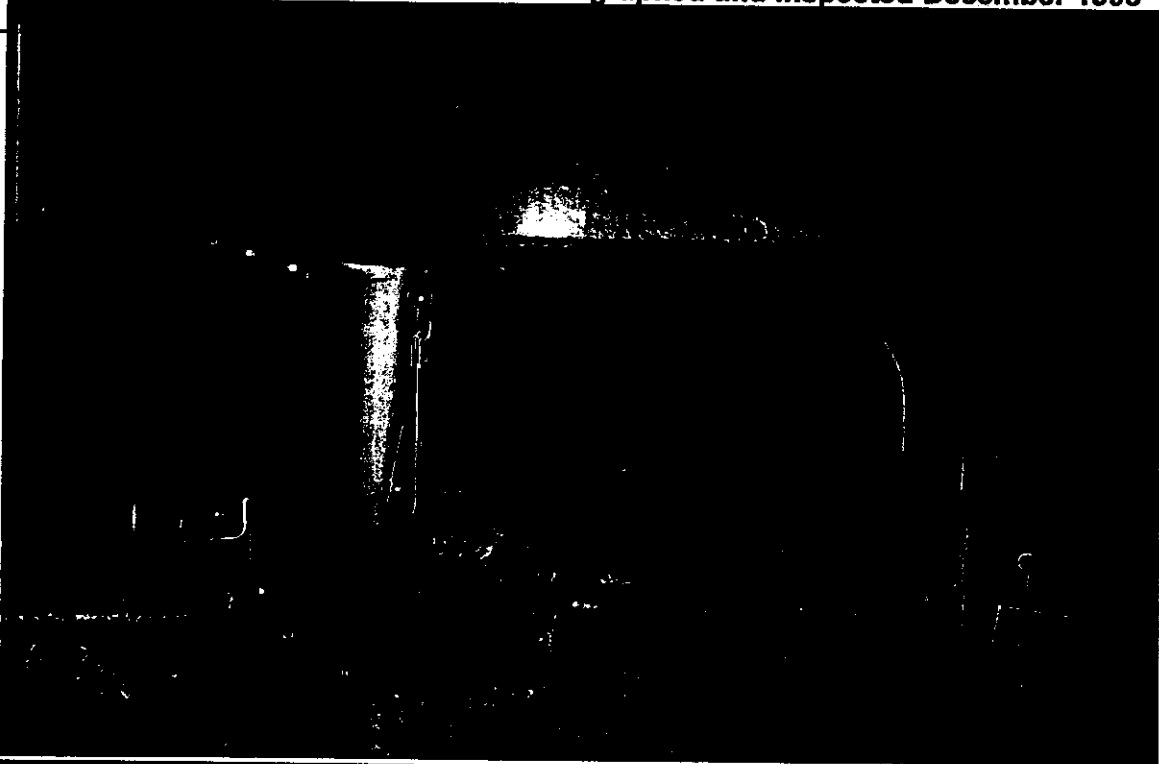
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Photographed and inspected December 1995

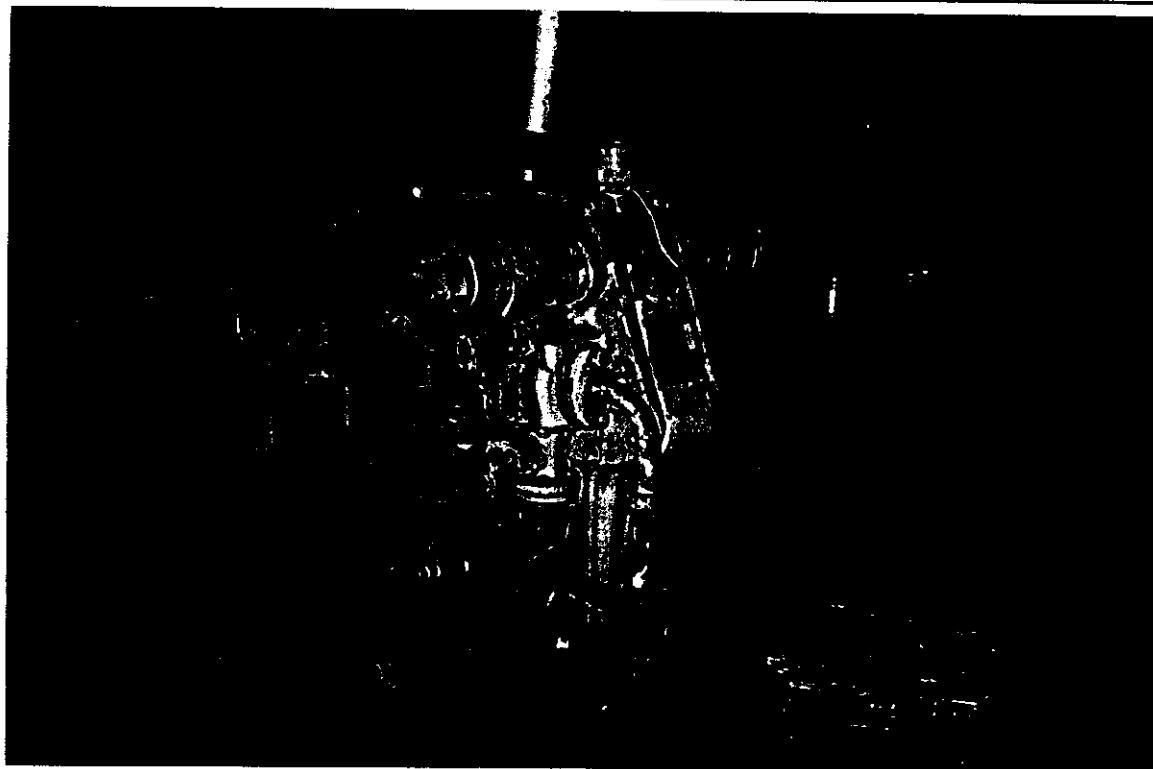


<b>Item Name:</b> Blacksmith's Forge					<b>Item No.</b> 88																						
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<b>Maintenance Schedule</b>																											
<b>Interpretation:</b>																											

<b>Item Name:</b> The Blacksmiths Forge		<b>Item No.</b> 90																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input type="checkbox"/> Collection <input type="checkbox"/> Forges 27A-H, 44, 59, 87, 88, 90, 93, 97, 99 System <input type="checkbox"/> Operational Group <input type="checkbox"/>																																																																																																		
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<b>Item Name:</b> Blacksmith's Forge					<b>Item No.</b> 90																						
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.  The item exhibits heavy rust in places.																											
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<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the furnace collection to which it belongs. The item may remain in use.																											
<b>Policy Implementation:</b>  The item is to remain in use and be serviced as required.  Conserve in situ.																											
<b>Maintenance Schedule</b>  The item is to be inspected every 12 months and serviced as required.																											
<b>Interpretation:</b>																											

<b>Item Name:</b> The Allen Striker		<b>Item No.</b> 91																																																																																	
<b>Name Plate:</b>																																																																																			
<b>Associated Items:</b>																																																																																			
Individual	<input type="checkbox"/>																																																																																		
Assemblage	<input checked="" type="checkbox"/>	91																																																																																	
Collection	<input type="checkbox"/>																																																																																		
System	<input type="checkbox"/>	Compressed Air 91, 92, 94																																																																																	
Operational Group	<input type="checkbox"/>	Strikers 91, 94, 139																																																																																	
<b>Description:</b> 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.																																																																																			
<b>History:</b> The Allen Strikers are also known as Oliver Forges. 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. This particular striker was installed in the Workshops in 1906.																																																																																			
<b>Function and Operation:</b> The Oliver or Allen Striker was the smallest of the power hammers used at Eveleigh. It was rated at 2CWT which is about 100 kilos. The hammer was used for producing a wide variety of small items used throughout the workshops in the New South Wales Rail System. There was an adjacent furnace where the metal was heated and it was then formed beneath plain hammers, flatters, fullers or swages which were fitted to the jaw and to the anvil.	<b>Location:</b> Bay 2 South 11 East <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td>X</td><td></td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td></td><td></td><td></td><td></td></tr> <tr><td>15</td><td></td><td></td><td></td><td></td></tr> <tr> <td></td> <td>4A</td> <td>4</td> <td>3</td> <td>2</td> <td>1</td> </tr> </table>		1					2					3					4					5					6					7					8					9					10					11			X		12					13					14					15						4A	4	3	2	1
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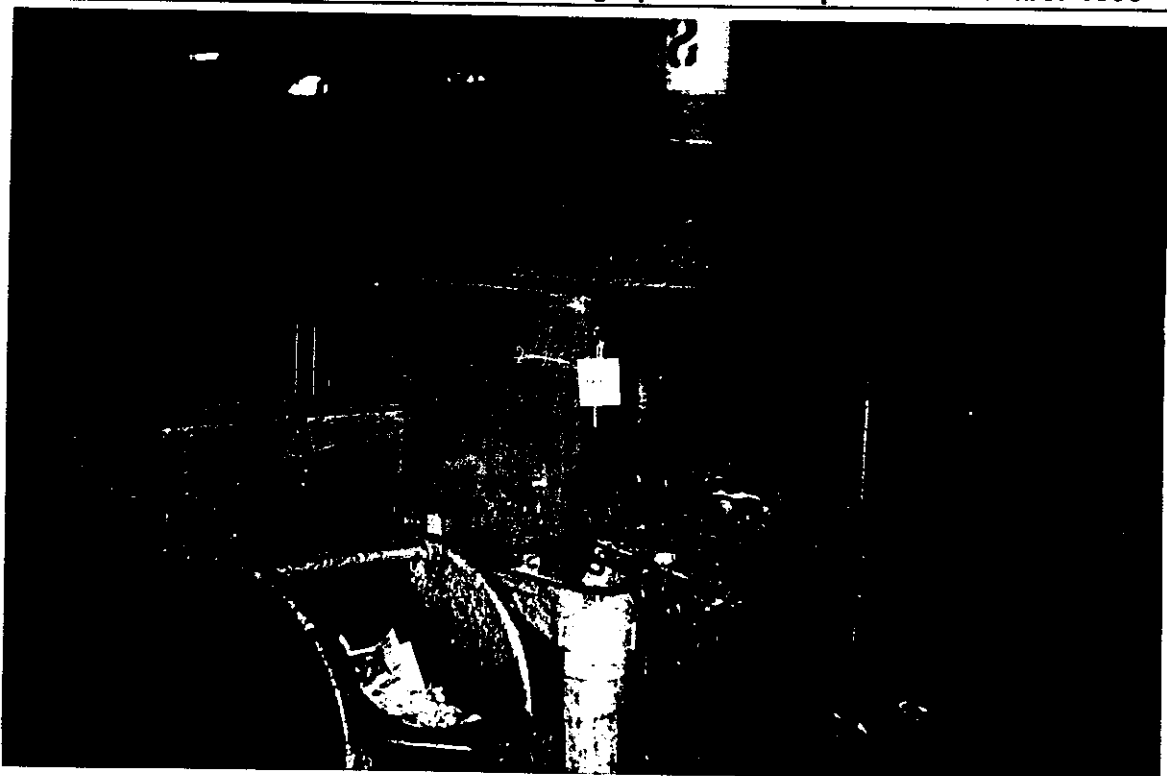
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<b>Statement of Significance</b>  The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 90 years. The item was an integral part of the steam system. The item is a rare, industrial piece exhibiting massive cast-iron construction and which had general engineering application. The item represents former manufacturing technologies now rarely evident in operating workshops. The item is impressive in 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.																											
<b>Conservation Policy:</b>  The item is to be retained in its present location and preserved as part of the Allen striker assemblage, Allen striker collection and steam/compressed air system to which it belongs.																											
<b>Policy Implementation:</b>  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.																											
<b>Maintenance Schedule</b>  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.																											
<b>Interpretation:</b>																											

<b>Item Name:</b> Frazing and Grinding Wheel		<b>Item No.</b> 92																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b>																																																																																																		
Individual	<input type="checkbox"/>																																																																																																	
Assemblage	<input checked="" type="checkbox"/>	Electropneumatic 2CWT (south) 62A, 98, 99																																																																																																
Collection	<input type="checkbox"/>																																																																																																	
System	<input checked="" type="checkbox"/>	Frazing Wheels 33, 78, 82, 83, 92																																																																																																
Operational Group	<input checked="" type="checkbox"/>																																																																																																	
<b>Description:</b> 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.																																																																																																		
<b>History:</b> 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.																																																																																																		
<b>Function and Operation:</b> 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.	<b>Location:</b> Bay 2 South 11 East  <table border="1" style="margin: 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></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>X</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						8						9						10					X	11						12						13						14						15	4A	4	3	2	1	
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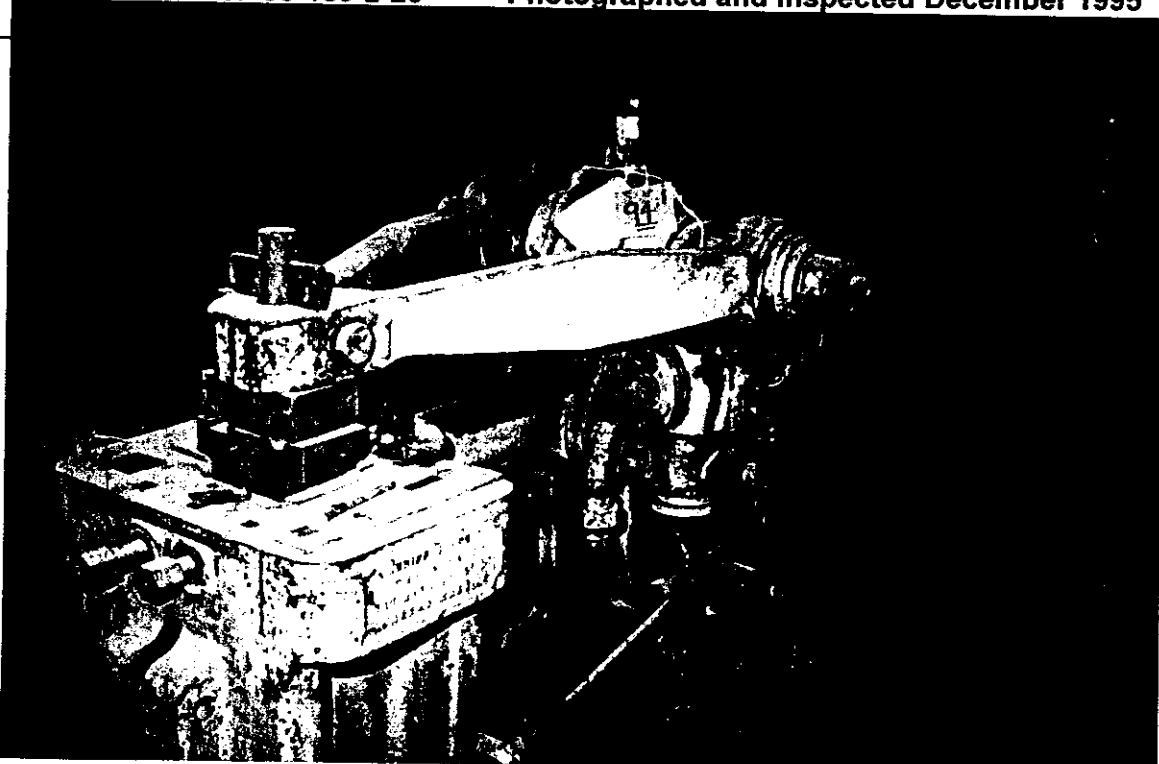




<b>Item Name:</b> Frazing and Grinding Wheel					<b>Item No.</b> 92																						
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.  The external surface of the item has patches of superficial rust and bare metal.  The painted surface of the item is deteriorating.																											
<b>Significance Matrix</b> <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 style="padding: 2px;">Rare</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 type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>State Historical Themes:</b>  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>Category</b></td> <td style="padding: 2px;"><input type="checkbox"/> Moveable Item</td> <td style="padding: 2px;"><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td style="padding: 2px;"><b>Themes</b></td> <td colspan="2" style="padding: 2px;"> <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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance:</b> 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 electro-pneumatic 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.																											
<b>Conservation Policy:</b>  The item is to be retained in its present location and be preserved as part of the electro-pneumatic 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.																											
<b>Policy Implementation:</b>  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.																											
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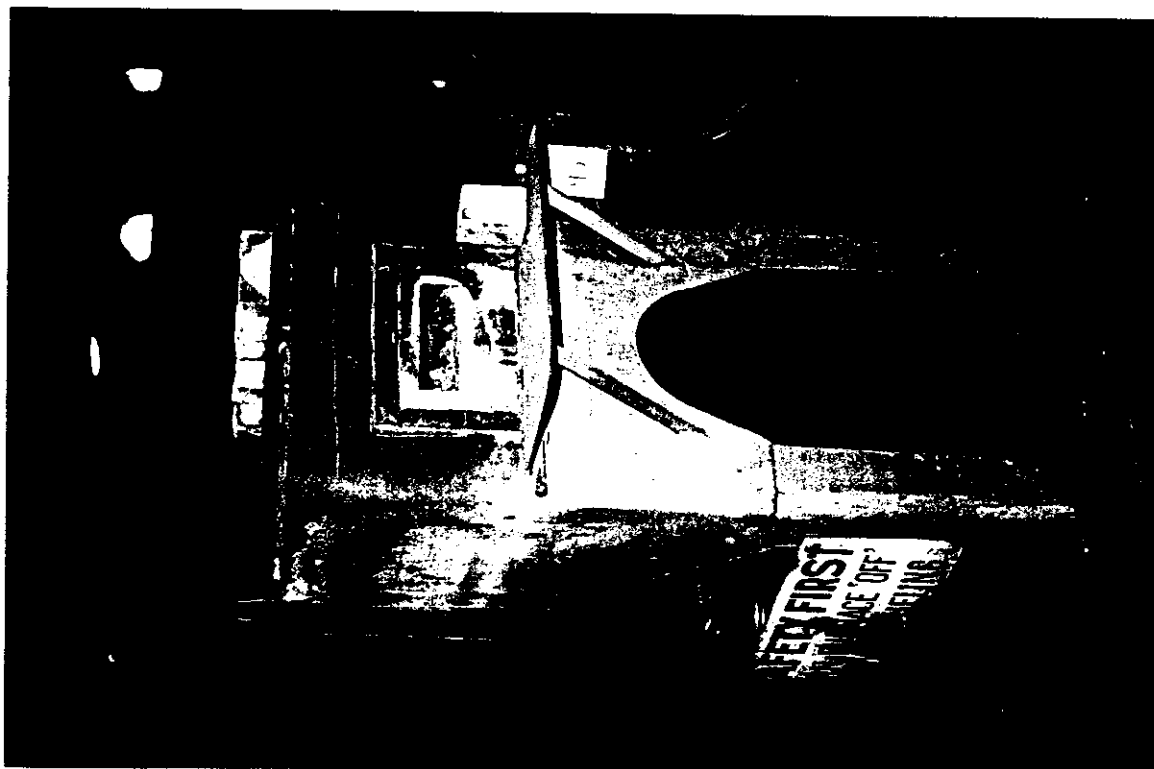
<b>Item Name:</b> The Blacksmiths Forge		<b>Item No.</b> 93																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input type="checkbox"/> Collection <input checked="" type="checkbox"/> Forges 27A-H, 44, 59, 87, 88, 90, 93, 97, 99 System <input type="checkbox"/> Operational Group <input type="checkbox"/>																																																																																																		
<b>Description:</b> 4 of the original 9 cast iron blacksmiths furnaces remain in Bay 2 South. 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 twears 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 route blowers located at the south end of Bay 1 to the forges.																																																																																																		
<b>History:</b> 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.																																																																																																		
<b>Function and Operation:</b> 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 electro-pneumatic hammers or Oliver Strikers. The forges all used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge.	<b>Location:</b> Bay 2 South 12 East <table border="1" style="border-collapse: collapse; text-align: center; width: 100%;"> <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>X</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						8						9						10						11					X	12						13						14						15	4A	4	3	2	1	
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<b>Photo:</b> FILM No. 95-169-2-25      Photographed and inspected December 1995																																																																																																		
																																																																																																		

<b>Item Name:</b> Blacksmith's Forge					<b>Item No.</b> 93															
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.																				
The item exhibits heavy rust in places.																				
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b>  <b>Category</b> <input type="checkbox"/> Moveable Item <input type="checkbox"/> Industrial Relic  <b>Themes</b> <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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Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																
<b>Statement of Significance</b>  The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 100 years.  The item is an extended part of the steam system.																				
<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the furnace collection, to which it belongs.																				
<b>Policy Implementation:</b>  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. 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.																				
<b>Maintenance Schedule</b>																				
<b>Interpretation:</b>																				

<b>Item Name:</b> The Allen Striker		<b>Item No.</b> 94																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b>																																																																																																		
Individual	<input type="checkbox"/>																																																																																																	
Assemblage	<input type="checkbox"/>																																																																																																	
Collection	<input type="checkbox"/>	Strikers 91, 94, 139																																																																																																
System	<input type="checkbox"/>	Compressed Air 91, 92, 94																																																																																																
Operational Group	<input type="checkbox"/>																																																																																																	
<b>Description:</b> 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.																																																																																																		
<b>History:</b> The Allen Strikers are also known as Oliver Forges. It is believed that most of these forges were originally located in the Oliver shop which was on the opposite side to the south road to the workshops. This particular striker was installed in the Workshops in 1916.																																																																																																		
<b>Function and Operation:</b> The Oliver or Allen Striker was the smallest of the power hammers used at Eveleigh. It was rated at 2cwt which is about 100 kilos. The hammer was used for producing a wide variety of small items used throughout the workshops in the New South Wales Rail System. There was an adjacent furnace where the metal was heated and it was then formed beneath plain hammers, flatters, fullers or swages which were fitted to the jaw and to the anvil.		<b>Location:</b> Bay 2 South 11 East <table border="1"> <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>X</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						8						9					X	10						11						12						13						14						15	4A	4	3	2	1	
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<b>Photo:</b>	<b>FILM No.</b> 95-169-2-26	<b>Photographed and inspected</b> December 1995																																																																																																
																																																																																																		

<b>Item Name:</b> Allen Striker 1899					<b>Item No.</b> 94																					
<b>Condition:</b>  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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Representative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																						
<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic																								
<b>Themes</b>	<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																									
<b>Statement of Significance</b>  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 compressed air system. The item is a rare, industrial piece exhibiting massive cast-iron construction and which had general engineering application. The item represents former manufacturing technologies now rarely evident in operating workshops. The item 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.																										
<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved as part of the, Allen Striker collection and compressed air system to which it belongs.																										
<b>Policy Implementation:</b>  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.																										
<b>Maintenance Schedule</b>  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.																										
<b>Interpretation:</b>  																										

<b>Item Name:</b> Small Furnace	<b>Item No.</b> 95																																																																																																
<b>Name Plate:</b>																																																																																																	
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input checked="" type="checkbox"/> Allen Striker 82, 91, 94, 95 Collection <input checked="" type="checkbox"/> Furnaces 47, 48, 53, 56, 59, 79, 86, 95, 97, 99, 106, 110, 111, 129, System <input type="checkbox"/> 159, 161, 198 Operational Group <input type="checkbox"/> oil																																																																																																	
<b>Description:</b> 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.																																																																																																	
<b>History:</b> The history of the item is unknown but it is believed to have been manufactured prior to World War II.																																																																																																	
<b>Function and Operation:</b> The furnace was used for heating small articles which were worked either by hand or by Allen Striker.	<b>Location:</b> Bay 2 South 13 East <table border="1" style="width: 100%; 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>X</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						8						9						10						11						12					X	13						14						15	4A	4	3	2	1	
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<b>Photo:</b> <b>FILM No.</b> 95-169-2-27 <b>Photographed and inspected</b> December 1995																																																																																																	



<b>Item Name:</b> Furnace					<b>Item No.</b> 95																						
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The item will need some repair. The item exhibits heavy rust in places. The condition of the power source is unknown and the power source has probably been disconnected.																											
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<b>Statement of Significance</b> <p>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 hydraulic press assemblage.</p>																											
<b>Conservation Policy:</b> <p>The item is to be retained in its present location and be preserved and retained as part of the Allen Striker assemblage and furnace collection to which it belongs.</p> <p>The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.</p>																											
<b>Policy Implementation:</b> <p>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.</p>																											
<b>Maintenance Schedule</b> <p>Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.</p>																											
<b>Interpretation:</b>																											

Item Name: The Massey 2cwt Electropneumatic Hammer

Item No. 96

## Name Plate:

## Associated Items:

- Individual ☐
- Assemblage ☒ Electropneumatic 2cwt (north) 95-97, 102A, 92.
- Collection ☒
- System ☐
- Operational Group ☐

**Description:** The 2CWT electro-pneumatic hammer is a smaller version of the hammers 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 axis 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.

**History:** The item was installed in 1938 and has remained in this location since then.

**Function and Operation:** The electro-pneumatic hammer has the advantage over the small Oliver in that the blows are delivered perpendicular to the work. Again, the hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil.

**Location:** Bay 2 South 13 East

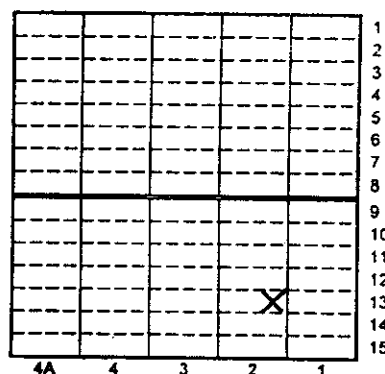
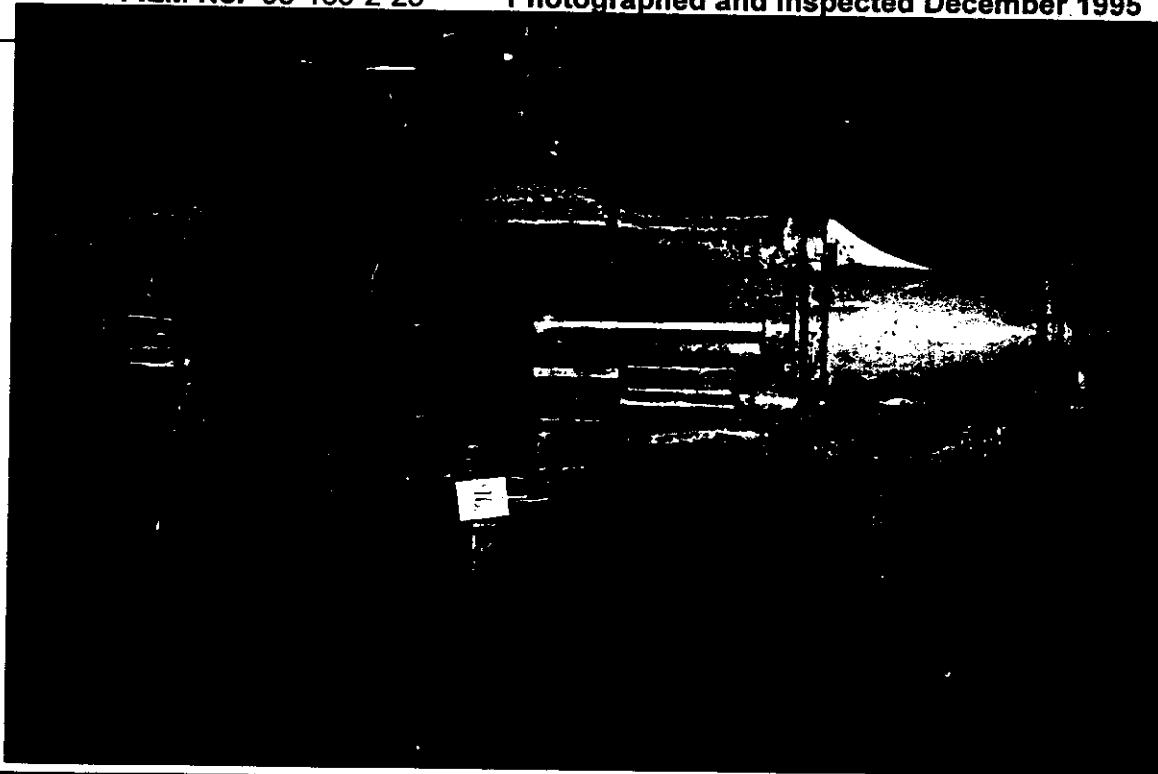


Photo:

FILM No. 95-169-2-28

Photographed and inspected December 1995





<b>Item Name:</b> Massey 2CWT Pneumatic Hammer					<b>Item No.</b> 96																					
<b>Condition:</b> The item is in good/excellent operating condition.																										
<b>Significance Matrix</b> <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 checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<b>State Historical Themes:</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>		<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance</b> The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 50 years. The item is an integral part of the electro-pneumatic assemblage. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity.																										
<b>Conservation Policy:</b> The item is to remain operational.																										
<b>Policy Implementation:</b> The item is to remain operational. Conserve in situ.																										
<b>Maintenance Schedule</b> Inspect for physical damage and deterioration every 12 months and implement repair as necessary.																										
<b>Interpretation:</b>																										

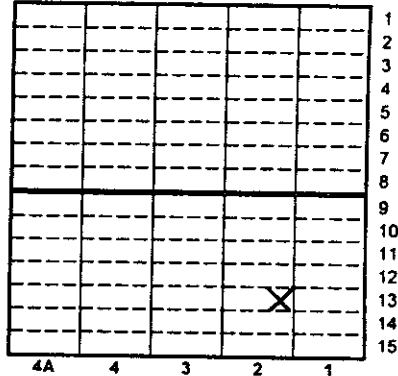
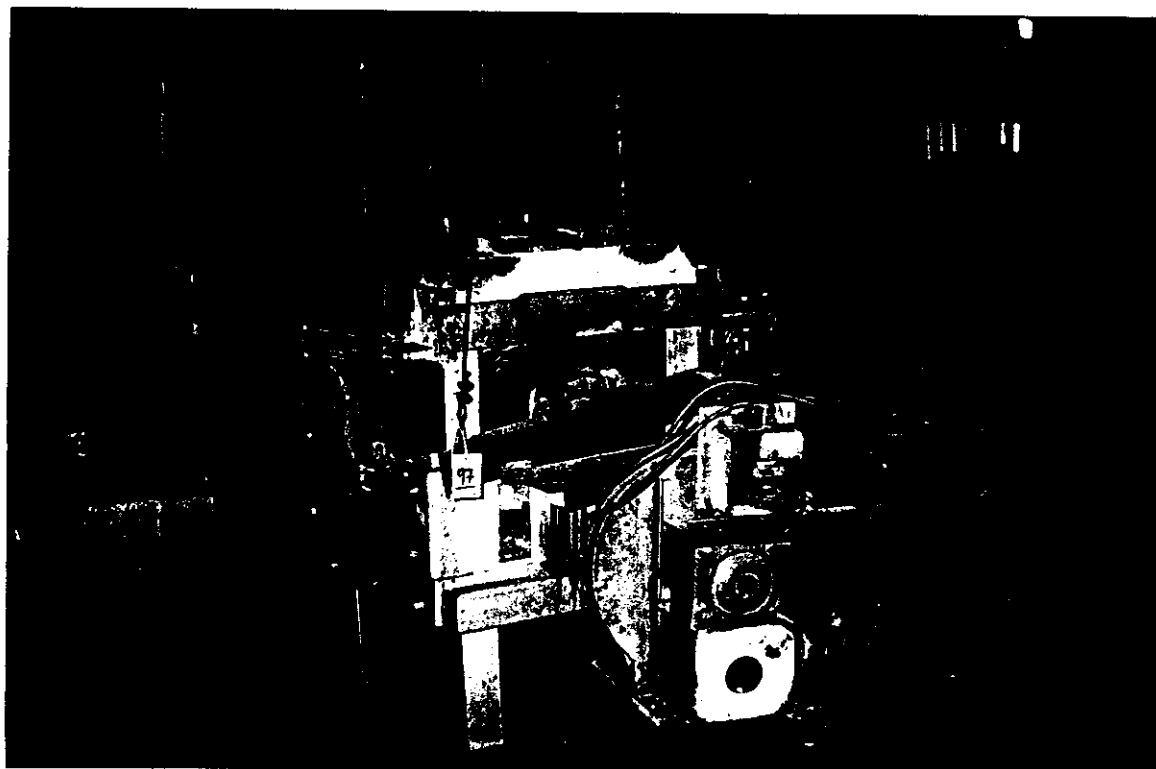
<b>Item Name:</b> Furnace		<b>Item No.</b> 97
<b>Name Plate:</b> N/A		
<b>Associated Items:</b>		
Individual	<input type="checkbox"/>	
Assemblage	<input type="checkbox"/>	
Collection	<input checked="" type="checkbox"/>	Furnaces 47, 48, 53, 56, 59, 79, 86, 95, 97, 99, 106, 110, 111, 129,
System	<input type="checkbox"/>	159, 161, 198
Operational Group	<input type="checkbox"/>	
<b>Description:</b> This small 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, it is gas-fired and used in conjunction with the electro-magnetic and Allen Strikers.		
<b>History:</b> Its history is unknown.		
<b>Function and Operation:</b> A simple gas-fired furnace.		<b>Location:</b> Bay 2 South 13 East
		

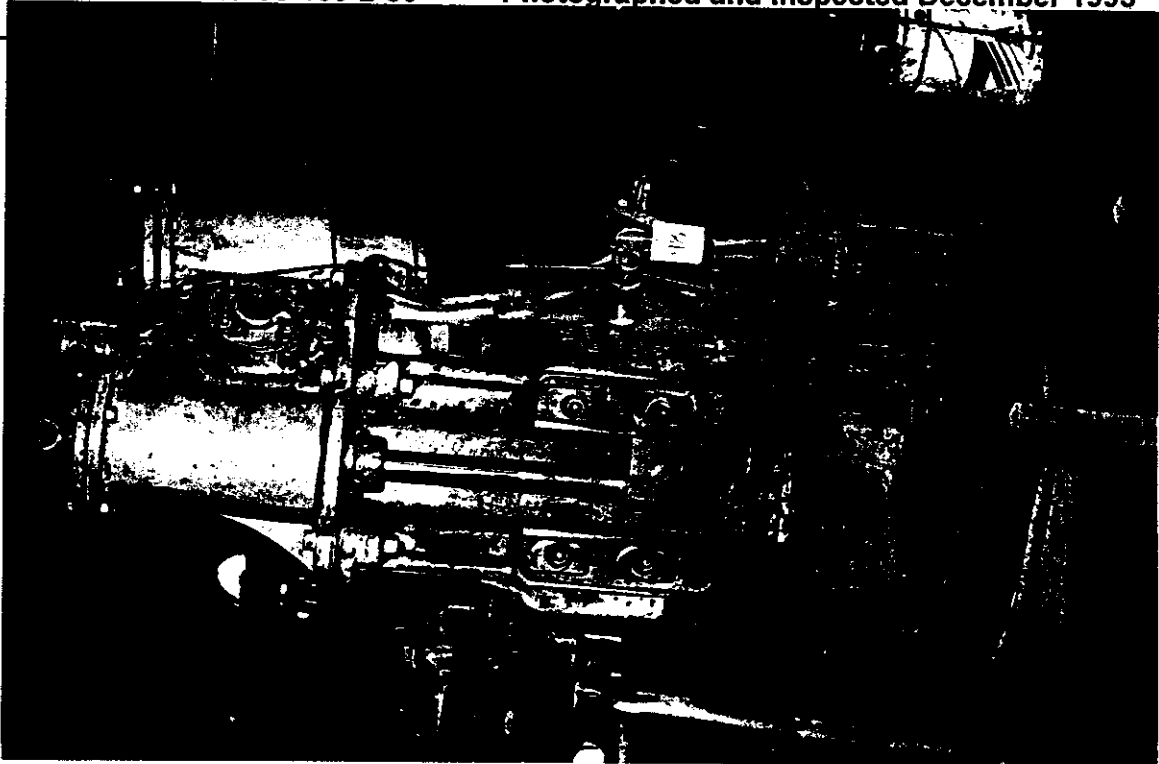
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FILM No. 95-169-2-29

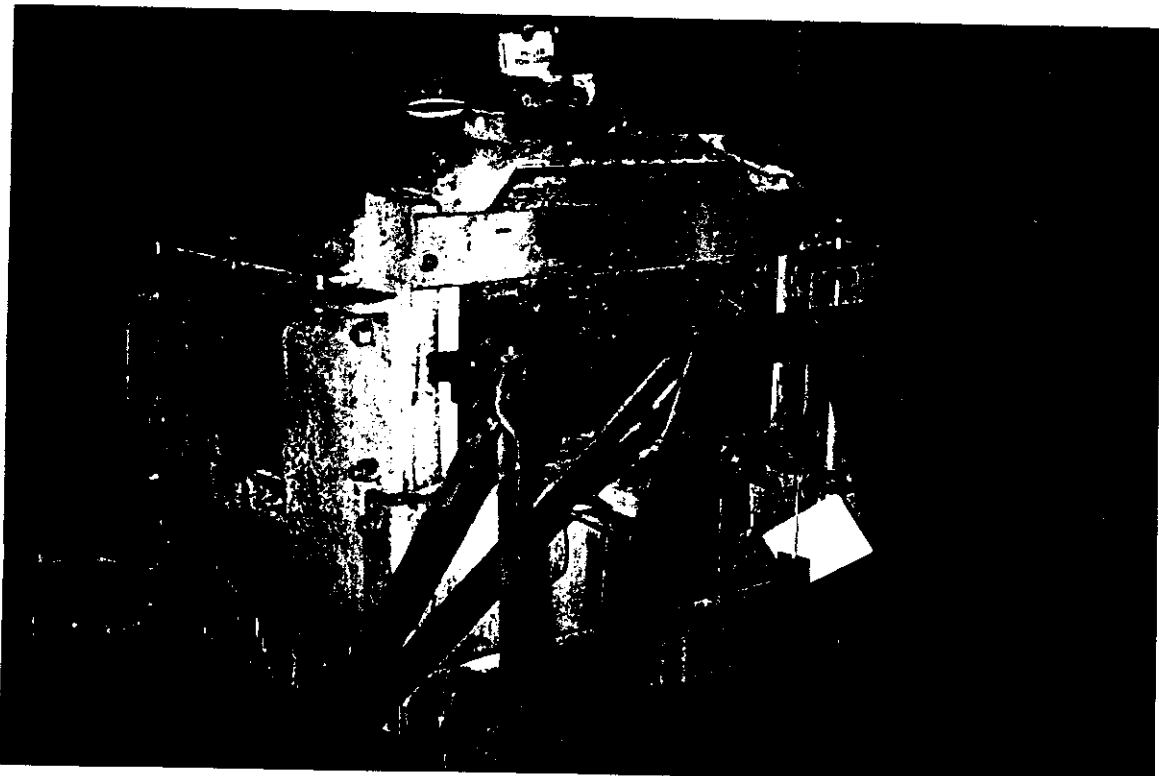
Photographed and inspected December 1995



<b>Item Name:</b> Furnace					<b>Item No.</b> 97															
<b>Condition:</b> In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The item will need some repair. The item exhibits heavy rust in places. The condition of the power source is unknown and the power source has probably been disconnected.																				
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<b>Conservation Policy:</b>  The item is to retained in its present location and be preserved and retained as part of the forge assembly and furnace collection system 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.																				
<b>Policy Implementation:</b>  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. Conserve in situ.																				
<b>Maintenance Schedule</b>  Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.																				
<b>Interpretation:</b>																				

<b>Item Name:</b> The Massey 2CWT Weight Pneumatic Hammer		<b>Item No.</b> 98																																																																																																
<b>Name Plate:</b>																																																																																																		
<b>Associated Items:</b> Individual <input type="checkbox"/> Assemblage <input type="checkbox"/> Electropneumatic 2CWT (south) 62A, 98, 99 Collection <input type="checkbox"/> System <input type="checkbox"/> Operational Group <input type="checkbox"/>																																																																																																		
<b>Description:</b> 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.																																																																																																		
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<b>Item Name:</b> Massey 2CWT Pneumatic Hammer					<b>Item No.</b> 98																						
<b>Condition:</b> The item is in good/excellent operating condition.																											
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<b>Statement of Significance</b> The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 50 years. The item is an integral part of the electro-pneumatic assemblage. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity.																											
<b>Conservation Policy:</b> The item is to remain operational.																											
<b>Policy Implementation:</b> The item is to remain operational. Conserve in situ.																											
<b>Maintenance Schedule</b> Inspect for physical damage and deterioration every 12 months and implement repair as necessary.																											
<b>Interpretation:</b>																											

Item Name: Furnace		Item No. 99																																																																																																
Name Plate:																																																																																																		
Associated Items:																																																																																																		
Individual	<input type="checkbox"/>																																																																																																	
Assemblage	<input checked="" type="checkbox"/>	Electropneumatic 2CWT (south) 62A, 98, 99																																																																																																
Collection	<input checked="" type="checkbox"/>	Forges 27A-H, 44, 59, 87, 88, 90, 93, 97, 99																																																																																																
System	<input type="checkbox"/>																																																																																																	
Operational Group	<input type="checkbox"/>																																																																																																	
<b>Description:</b> This small furnace which was built in the Workshops is a steel sheet and plate frame standing on angled section legs. It is gas-fired and used in conjunction with the electro-pneumatic hammers and Allen Strikers. The former door which was counter-weighted and pivoted is missing.																																																																																																		
<b>History:</b> Its history is unknown.																																																																																																		
<b>Function and Operation:</b> A simple gas-fired furnace.		<b>Location:</b> Bay 2 South 14 West																																																																																																
		<table border="1"><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>X</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						8						9						10						11						12						13					X	14						15	4A	4	3	2	1	
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<b>Photo:</b> FILM No. 95-169-2-31 Photographed and inspected December 1995																																																																																																		
																																																																																																		

<b>Item Name:</b> Furnace					<b>Item No.</b> 99																						
<b>Condition:</b> In general, the item appears to be in operable condition providing a door is fitted, the power sources are connected and the item is cleaned, serviced and tested. The item will need some repair. The item exhibits heavy rust in places. The condition of the power source is unknown and the power source has probably been disconnected.																											
<b>Significance Matrix</b> <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"/>	<b>State Historical Themes:</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><b>Category</b></td> <td><input type="checkbox"/> Moveable Item</td> <td><input type="checkbox"/> Industrial Relic</td> </tr> <tr> <td><b>Themes</b></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>			<b>Category</b>	<input type="checkbox"/> Moveable Item	<input type="checkbox"/> Industrial Relic	<b>Themes</b>	<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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<b>Statement of Significance</b> <p>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 electro-pneumatic hammer assemblage.</p>																											
<b>Conservation Policy:</b> <p>The item is to be retained in its present location and be preserved and retained as part of the forge assembly and furnace collection system to which it belongs.</p> <p>The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.</p>																											
<b>Policy Implementation:</b> <p>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.</p> <p>Conserve in situ.</p>																											
<b>Maintenance Schedule</b> <p>Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.</p>																											
<b>Interpretation:</b>																											