

BAY 4 SOUTH

199€

	6' Plate Rollers	Item No. 180
Name Plate:	NSWGR No. 782 Class RH	
Associated Individual Assemblage System Collection Description length of 6 for rolling boiler History: :		d were used fo
	ty attached to it.	Cicoliio (iiotoi o
top roller, the		1 2 3 4 4 5 5 6 7 7 8 9 10 11 12 13 14 15 2 1
Photo:	FILM No. 95-169-4-19 Photographed and inspected Decem	ber 1995
		-

Item Na	ame: 6' F	Plate Rolle	rs				Item No. 180	
Condit	ion:						<u> </u>	
The ite	m is in god	od/exceller	ıt operati	ng condition.				
							:	
Signific	cance Mat	trix			State His	storical Themes:		
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	_	Industrial Relic	
Rare	Œ			12	Themes	☐ 13 Transport ☐ 15 Utilities		
Repres-	æ			网		16 Industry		
entative	<u>13</u>	u		图		☐ 18 Technology		
				=		20 Government Adm	inistration	
Statem	ent of Sig	ınificance	!					
operation The item has practiced	The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 100 years. The item is an integral part of the Boiler Makers operational group. The item represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item has research and education potential for developing an understanding of early engineering practice. The item will yield information on the nature of past work practices. The item exhibits a high degree of structural integrity.							
Conse	rvation Po	olicv:						
The ite	m is to be	retained in		sent location a tem may be re		served as part of the o	pperational group	
Policy	implemen	tation:						
Policy Implementation: Conserve in situ. If required, the item may be relocated to Bay 2. 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 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.								
Mainte	nance Sci	hedule			,	·		
Interpr	etation:	·		-				
							•	

Item Name: F	Plate Rolle	rs	item No. 181
Name Plate:	NSWGR	No. 543 Class RH	
Craven Brothe	rs 1886 N	lanchester	
Associated It	ems:		
Individual	\square		
Assemblage			
System			
Collection			
Operational	. 2	Boilermakers	

Description: These plate rollers were the heaviest early rollers in use in the workshop. They have heavy cast iron beds which support three rollers. The two bottom rollers are fixed while the top roller can be raised or lowered to alter the diameter of the sheet being rolled.

History: The item was manufactured by Craven Brothers Manchester in 1886 and this is cast into the massive cast iron end frame. The item has been used continuously since it was brought and installed in the workshops probably in 1887.

Function and Operation: The top roller bearing is raised and lowered by wheels together with worm gears attached to the top of the end frames. The adjustment is done manually and the diameter of the item determined by trial and error.

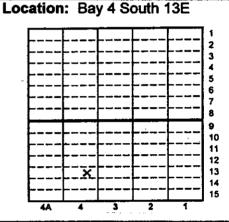
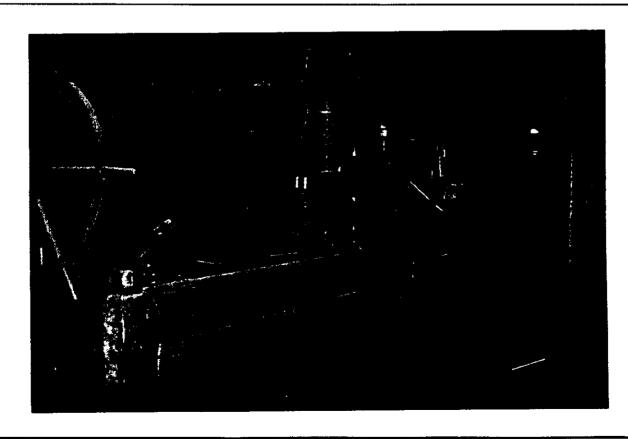


Photo: FILM No. 95-169-4-20

Photographed and inspected December 1995



EVELEIGH LOCOMOTIVE WORKSHOPS MACHINERY CONSERVATION 1996 Item Name: Craven Plate Rollers 1886 Item No. 181 Condition: The item is in good/excellent operating condition. Significance Matrix State Historical Themes: Historical Aesthetic Social Technology/ ☐ Moveable Item ☐ Industrial Relic Research Category Potential ☐ 13 Transport Themes X Rare X ☐ 15 Utilities Repres-☐ 16 Industry entative X × ☐ 18 Technology ☐ 20 Government Administration **Statement of Significance** The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 100 years. The item is an integral part of the Boiler Makers operational group. The item represents former manufacturing technologies now rarely evident in operating workshops. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item has research and education potential for developing an understanding of early engineering practice. The item will yield information on the nature of past work practices. The item exhibits a high degree of structural integrity. **Conservation Policy:** The item is to be retained in its present location and be preserved as part of the Boiler Makers operational group to which it belongs. If required, the item may be relocated to Bay 2. Policy Implementation: Conserve in situ. If required, the item may be relocated to Bay 2. All external surfaces are to be

Conserve in situ. If required, the item may be relocated to Bay 2. 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 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.

Maintenance Schedule

Interpretation:

Item Name:	The Benr	ie Metal Guillotine	Item No. 182
Name Plate:	NSWGR	No. 458 Class PS	
James Bennie	& Sons	Ltd, Glasgow.	
Associated It	ems:		
Individual	\square		
Assemblage			
System			
Collection			
Operational	\square	Boilermakers ·	
Description:	This ear	y guillotine was used for shearing plate	e up to 4 foot long and 5/8 inch thick.
Again it was o	riginally o	onstructed to be driven from a line shafe	ft. It operates on the inertia principle.
History: The	item wa	s installed in the workshops in 1923 ir	n the boiler shop and has been in its
present location	n since 1	961	

Function and Operation: Plate is placed on the plate holders at the front of the machine and placed in precisely the correct location, the machine is then started and the massive cast iron blade supports are brought against the material and it is cut to length.

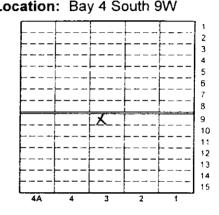
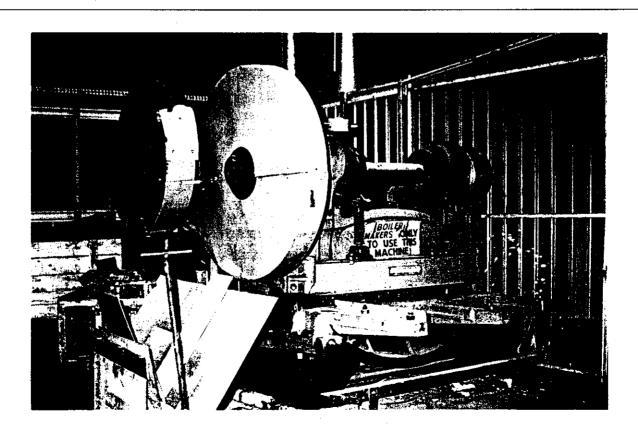


Photo:

FILM No. 95-169-6-11

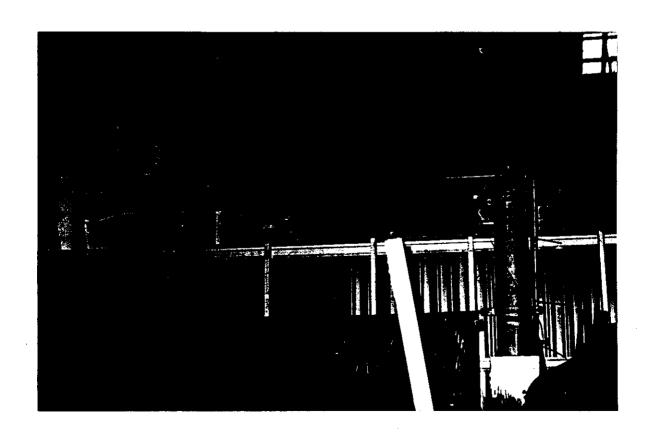
Photographed and inspected December 1995



Item Nar	ne: Ben	nie Metal G	Guillotine				Item No. 182
Condition Very goo		ional condi	ion.				
Significa	ance Ma Historical	trix Aesthetic	Social	Technology/		storical Themes:	
				Research Potential	Category	Moveable Item	☐ Industrial Relic
Rare	M			×	Themes	☐ 13 Transport☐ 15 Utilities	
Repres-	***	\$	П	ĸ		☐ 16 Industry	
entative		M	u	<i>p</i> 4		☐ 18 Technology ☐ 20 Government	Administration
- 					<u> </u>		comotive Workshops
form and	tion and dexhibits	which had a unity in nderstandir	l genera its desigi ig of ear	l engineering n and detail. Iv engineering	applicatior The item har practice.	n. The item is imp as research and ed The item will yield	ng massive cast-iron oressive in size and ducation potential for d information on the m its existing fabric.
Conser	vation P	olicy:		· · · · · ·			
The iter operatio	n is to nal. Not	be retaine e: If requir	d in its ed, the it	present locat em may be re	ion and b moved to f	- F	e item is to remain
Policy I	mpleme	ntation:					
rust is to	be rem	oved or tre	ated. All	ned and degro external surfa stalline wax.	eased usir aces are to	ng appropriate met be treated with an	hods. All superficial appropriate sealant
Conserv	e in situ.	. If required	d, the ite	m may be rem	oved to Ba	ay 2 South.	·
Mainter	nance So	hedule					
Inspect	for physi	cal damage	e and det	erioration eve	ry 12 mont	ths and implement	repair as necessary.
interpre	etation:		·- ·				

1996

Item Name: 10cwt Jib Crane	Item No. 183
Name Plate: Not to exceed 10cwt	·
Associated Items: Individual	as for its kng post, one of the cast iron
columns between bay 4 and bay 4A. The jib is about 4.5 n	netres long, its carriage is still in position
but the block and tackle which was used to raise material is	s missing.
History: History of the item is unknown.	
Function and Operation: N/A	Location: Bay 4 South 14-15W
Photo: FILM No. 95-169-4-22 Photographed	and inspected December 1995



1996

Item Na	ne: Jib (Crane 10C	WT			1.11.11.11.1.1.1.11.11.11.11.11.11.11.1	Item No. 183
Conditio	n:		······				
The item	is in goo	d structur	al repair a	and has no ob	vious sign:	s of rust.	•
Cianifia	maa Mat				C4-4- 11:	-ti-al Thamas	
_			Social	Technology/ Research Potential	Category	storical Themes: Moveable Item	☐ Industrial Relic
Rare					Themes	☐ 13 Transport☐ 15 Utilities	
Repres-		•				15 Outlines	
entative	Ø			x		18 Technology	
							A d
						20 Government	Administration
		existing fat					operation is easy to
Conserv	ation Po	licy:					
The item	is to reta	ined in its	present l	location and b	e preserve	d.	į
Policy In	nplemen	tation:					
rust is to	be remov	ved or trea	ited. All		ces are to l	appropriate methodoe treated with an a	ds. All superficial appropriate sealant
Maintena	ance Sch	edule	·		, , ,		
Inspect a implemen	ll externa ntation se	ll surfaces ection.	for rust e	every 5 years.	Where ne	ecessary, treat as r	ecommended in the
Interpret	ation:					·	
merbiet	auvii.				•		
						,	
-							l

Item Name: The Hy	tem Name: The Hydraulic System Electric Motor						
Name Plate:							
Associated Items:							
Individual							
Assemblage							
Collection							
System	\square	Hydraulic 49, 52, 144, 152-154, 158, 184-187, 193, 194,	213				
Operational Groups							
Department The L	1	this Custom consists of an alastic section and the section of the					

Description: The Hydraulic System consists of an electric motor connected to the gearbox of a three throw electric pump, a steam hydraulic pump by Fielding and Platt, a water reservoir and two hydraulic accumulators. This 100 horsepower motor is by Hawthorn Davey and Company Ltd of Leeds, England. It is believed that this motor was installed with the three throw pump. However, the base on which it stands indicates that another motor has been used to power the pump at some time in the past.

History: The history of this item is unknown but it is believed that it was installed in 1914 to power the Hawthorn Davy three throw pump. It is possible that the footings on which it is mounted were changed in response to the change in the coupling system.

Function and Operation: The motor operates the pump continuously - but is only on load as hydraulic power is being consumed.

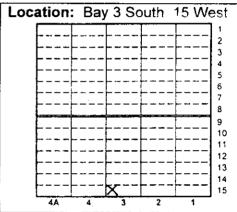
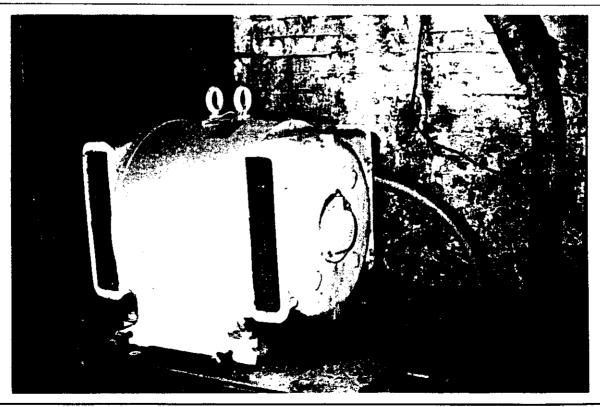


Photo: FILM No. 95-169-6-13 Photographed and inspected December 1995



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

1996

Item Na	me: Hy	draulic Syst	em Elect	ric Motor			Item No. 184
Condition	on:	440	-		· · · · · · · · · · · · · · · · · · ·		
Signific	ance Ma	atrix		 	State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	☐ Moveable Item	☐ Industrial Relic
Rare	X			S	Themes	13 Transport	
Repres-						15 Utilities	ļ
entative	X			X		☐ 16 Industry ☐ 18 Technology	
						20 Government	Administration
Stateme	ent of Si	gnificance	The ite	m was an inte	egral part o		omotive Workshops
1		-				•	part of the hydraulic
-				•	•	_	The item exhibits a
nigh deg	ree of st	ructural inte	egrity. Th	ne item is an ii	ntegral par	t of the hydraulic p	ump assemblage.
				•			
Conser	vation P	olicy:					
			-		•	eserved as part of which it belongs.	the hydraulic pump
The item	is to be	reconnecte	ed to its p	ower source a	and made	operational.	
Policy I	mpleme	ntation:					
•	•			_1			
i ne mot	or snould	a be inspect	ted by an	electrical cor	iservator a	nd retained as nec	essary.
Conserv	e in situ.						
				•			
Mainten	ance Sc	hedule					
T. b			-4	-44			
TO DE CE	etermine	d by an elec	trical cor	itractor.			
Interpre	tation:						

Item Name: The Hy	tem Name: The Hydraulic System Pump.				
Name Plate:					
Associated Items:			· · · · · · · · · · · · · · · · · · ·		
Individual					
Assemblage					
Collection					
System		Hydraulic 49, 52, 144, 152-154, 158, 184-187, 193, 194,	213		
Operational Groups					

Description: The Hydraulic System consists of an electric motor connected to the gearbox of a three throw electric pump, a steam hydraulic pump by Fielding and Platt, a water reservoir and two hydraulic accumulators. This is a vertical triplex, single acting pressure pump driven by a 100 horsepower electric motor via a very large reduction gear. The pump was installed in this location in 1914 and is by Hawthorn Davey and Company Limited of Leeds, England. The pump is mounted on a cast iron footing which also holds the platform on which the motor is mounted.

History: The pump was installed in 1914 in this location to suppliment the steam pump.

Function and Operation: When the workshops were in full swing the pump was switched on for each shift. The pump rotated continuously but was not placed under pressure unless hydraulic fluid was being sent through the system.

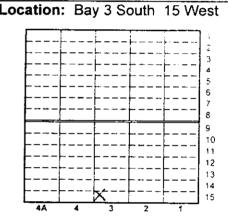
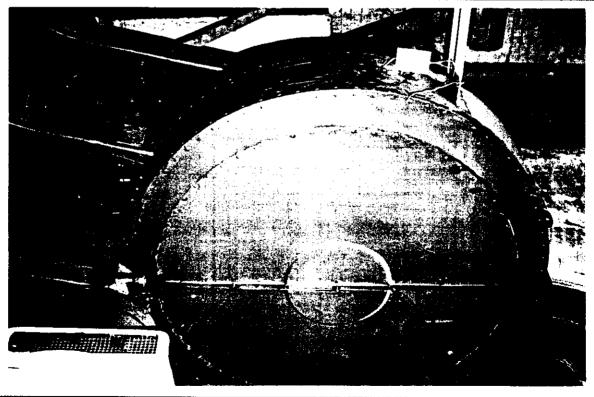


Photo: FILM No. 95-169-6-14

Photographed and inspected December 1995



Item Nar	ne: Hydr	aulic Syste	m Pump)			Item No. 185
Conditio	n:	- · .					
		m appears d, serviced			dition provi	ding power sources are	e connected and
Significa	ance Mat	riy		<u> </u>	State His	storical Themes:	
. •	Historical	Aesthetic	Social	Technology/ Research Potential	Category		indust ri al Relic
Rare				図	Themes	☐ 13 Transport☐ 15 Utilities	ı.
Repres- entative	M			Ճ		☐ 16 Industry☐ 18 Technology	
						20 Government Adm	inistration
its opera	ation is e Il integrity	easy to int	erpret fr n is an ir	om its existi itegral part of	ng fabric.	in its design and deta The item exhibits a ulic pump assemblage	high degree of
Conser	ation Po	licy:					
				sent location which it belor		eserved as part of the	hydraulic pump
The item	is to be	reconnecte	d to its p	ower source	and made	operational.	
1	mplemen						
internal to be cle treated. fluid or p	bare meta eaned an All exter polycrysta	al surfaces d degrease rnal surface alline wax.	are to bed using es are to All pipe	ne dried and good appropriate of the treated to	greased to methods. A with an applisconnecte	d, all bearings and glar prevent rust. All exter All superficial rust is to propriate sealant such d, cleaned, dried and	rnal surfaces are be removed or as Shell ENSIS
Mainten	ance Scl	hedule					
Interpre	tation:				-		

Item Name: The Hy	ssociated Items:					
Name Plate:	-					
Associated Items:						
Individual						
Assemblage						
Collection						
System	\square	Hydraulic 49, 52, 144, 152-154, 158, 184-187, 193, 194, 3	213			
Operational Groups		· · · · · · · · · · · · · · · · · · ·				

Description: This is a two-cylinder horizontal steam engine direct linked with a two-cylinder pressure pump manufactured in England, about 1885. The two reciprocating pump cylinders are each driven directly by steam cylinders by sharing a common piston shaft and are mounted behind and in line with each steam cylinder. The con-rods to the two metre diameter fly wheel are joined to the centre of each cylinder/pump/piston. Over speed regulation is by a governor driven from the fly wheel crank shaft.

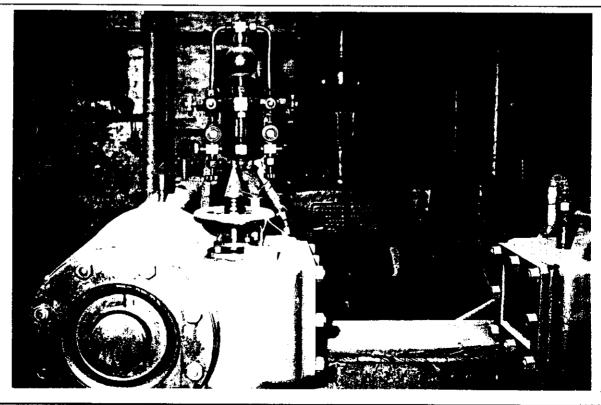
History: The pump was installed in this position in 1886 and has been shown in this location on various maps and plans since.

Function and Operation: The pump is connected to the Number 4 steam boiler and when it was in operation the valving system was actuated by the rise and fall of the accumulators.

Location: Bay 3 South 15 West

Photo: FILM No. 95-169-6-15 Photographed as

Photographed and inspected December 1995



Item Nar	ne: Hyd	raulic Syste	m Stear	n Hydraulic P	ump		Item No. 186
Conditio	n:	ts., ·					
In genera the item	al, the ite is cleane	m appears d, serviced	to be in and test	operable cond ted.	dition provi	ding power sources are	e connected and
Significa	ance Ma	trix			State His	storical Themes:	,
	Historical	Aesthetic	Social	Technology/ Research Potential	Category		Industrial Relic
Rare	M	×		M	Themes	☐ 13 Transport☐ 15 Utilities	
Repres-	5	_				16 Industry	
entative	×		u	به		18 Technology	*
						20 Government Adm	inistration
Stateme	ent of Sig	gnificance	u, .u.				
its opera	ation is al integrit	easy to int	erpret fi n is an ir	rom its existi ntegral part of	ng fabric.	in its design and deta The item exhibits a ulic pump assemblage	high degree of
Conser	vation P	olicy:					
The iten	n is to be lage and	e retained i hydraulic s	n its pre ystem to	sent location which it belor	and be prongs.	eserved as part of the	hydraulic pump
The item	is to be	reconnecte	ed to its p	ower source	and made	operational.	
Policy I	mpleme	ntation:		· .			
internal to be cle treated. fluid or	bare me eaned ar All exte polycryst	tal surfaces nd degrease ernal surfac alline wax.	are to to to ed using es are to All pipe	oe dried and one de	greased to methods. with an app isconnecte	d, all bearings and glar prevent rust. All exter All superficial rust is to propriate sealant such ed, cleaned, dried and	nal surfaces are be removed or as Shell ENSIS
Mainter	nance Sc	hedule		- Lipu	·		
		nal surfaces on section.	for rust	every 12 mor	nths. Whe	re necessary, coat as	recommended in
						Any rust or oxidation or and sealant.	product must be
Interpre	etation:						

Item Name: Hydraulic System Overhead Reservoir Item No.	187
Name Plate:	-
Associated Items:	
Individual	
Assemblage	
System Hydraulic 49, 52, 144, 152-154, 158, 184-187, 193, 194, 213	
Collection	
Description: This hydraulic reservoir was installed in 1886 to hold the water for the hydr	
system. This hydraulic system exhausted waste and there appears to have been no return pipe	es.
11: A Installation this to estimate 4000	
History: Installed in this location in 1886.	
Function and Operation: The reservoir was filled with Location: Bay 3 South 15 West	
water which gave a low-pressure supply to the high	٦,
pressure pumps.	2
ĺ	3 4
	5
	7
	8 9
	10
├ -	. 11
	13
│ ├ ── ├ ── ├ ──	. 14 15
4A 4 3 2 1	

Photo: FILM No.

Photographed and inspected December 1995



1996

Item Na	me: Hyd	Iraulic Sys	tem Over	head Reservo	oir		Item No. 187		
Condition	on:								
The item	is in god	od/exceller	nt operati	ng condition.					
Signific					State His	storical Themes:			
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	☐ Moveable Item	☐ Industrial Relic		
Rare					Themes	13 Transport			
Repres-						☐ 15 Utilities ☐ 16 Industry			
entative						☐ 18 Technology			
						20 Government	Administration		
potential	for deve	loping an	understar	nding of early	engineerin		earch and education em and its operation ructural integrity.		
Conserv	ation Po	olicy:			 .				
		-	•	being cleane nedules given	•	d and maintained	d according to the		
Policy Ir	nplemen	itation:			- All The Control of				
superfici	al rust is	to be remo	oved or tr		ernal and e	external surfaces a	opriate methods. All re to be treated with		
Mainten	ance Sc	hedule							
		al and ext the implen			t every 12	months. Where	necessary, coat as		
				٠.			-		
Interpre	tation:				<u> </u>				
		÷							
							i		

Item Name: The C-3	6 Cla	ss Boiler	Item No. 188
Name Plate:			
Associated Items:			
Individual			
Assemblage	Q,		
Collection	1	Boilers 188-191	
System	v	Steam 1-4, 28, 29, 31, 32, 54, 57, 188-191	
Operational Group			

Description: The C-36 Class Locomotive Boiler was originally a hand-stoked, coal fired boiler installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. The Boilers are over 8 metres long and stand well over 3 metres high. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe.

History: The history of the boilers is unknown. However, it is believed that they are from former locomotives which operated on the SRA network which were specially modified and installed in this location, possibly after World War II. Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location.

Function and Operation: The Boilers were originally coal fired but were converted to oil in the 1970s. The introduction of oil meant that further equipment such as blowers were added to the boilers.

Location: Bay 2 South 15 West

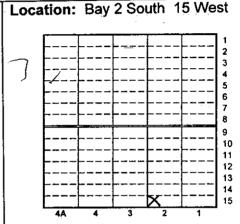
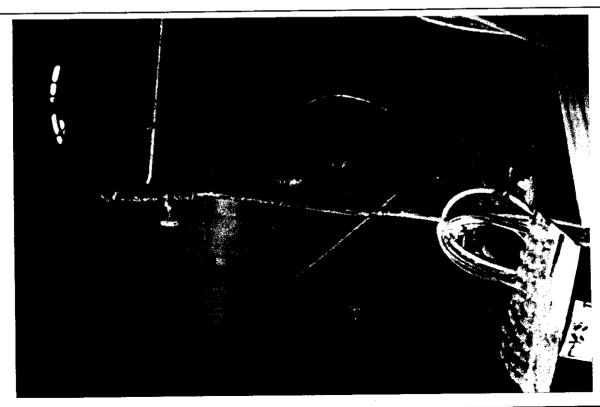


Photo:

FILM No. 95-169-6-17

Photographed and inspected December 1995



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

Item Na	me: C36	Class Bo	ler	<u>.</u>		u 1940-944	Item No. 188
Conditi	on:		.				
The ext internal	ernal surf compone	ace of the	item has nown. A t	s patches of s poiler inspecto	superficial i	rust and bare metal. • e employed to determir	The condition of ne condition.
Signific	ance Ma	trix	······································	-	State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	_	Industrial Relic
Rare	×	×		×	Themes	13 Transport	
Repres-						15 Utilities	
entative	×			×		16 Industry	
						☐ 18 Technology☐ 20 Government Admi	nistration
Statom	ont of Sic	mificance	. The ite			of the Eveleigh Locomo	
system. worksho machine item has practice to a larg	The iter ops. The es. The ite s researc . The iten e number	m represer item evide em is impre h and edu n will yield r of former	nts forme ences the essive in loation po information	r manufacturi versatility of size and form otential for de on on the natu	ng technol the works and exhib veloping a ure of past	e item is an integral paralogies now rarely eviden hops in the manufactuits a unity in its design in understanding of easwork practices. The ite interest societies.	ent in operating are of tools and and detail. The arly engineering
Conser	vation Po	licy:					
collectio serviced	n and ste I and mair	am syster	n to whic cording to	h it belongs.	The item	rved or restored as pa is to be preserved by I maintenance schedul	being cleaned,
Policy I	mplemen	tation:					
rust is to such as abrasive treated v polycrys joints. In	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. All pipes should be disconnected and, where possible, uncoupled at flanged joints. Internal surfaces should be treated with a dispersant, dried and treated with an appropriate inhibitor and, where possible, sealed. Conserve in situ.						
Mainten	ance Sch	redule			-		
the imploxidation	Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section. Items which are stored externally must be inspected for rust or oxidation every 12 months. Any rust or oxidation product is to be treated according to the implementation section. A boiler inspector should be employed to determine schedule.						
Interpre	tation:				*		

Item Name: The C-36 Classed BoilerName Plate:Associated Items:Individual□Assemblage□Collection☑ Boilers 188-191System☑ Steam 1-4, 28, 29, 31, 32, 54, 57, 188-191Operational Group□

Description: The C-36 Class Locomotive Boiler was originally a hand-stoked, coal fired boiler installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. The Boilers are over 8 metres long and stand well over 3 metres high. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe.

History: The history of the boilers is unknown. However, it is believed that they are from former locomotives which operated on the SRA network which were specially modified and installed in this location, possibly after World War II. Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location.

Function and Operation: The Boilers were originally coal fired but were converted to oil in the 1970s. The introduction of oil meant that further equipment such as blowers were added to the boilers.

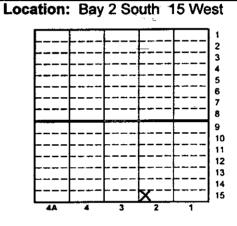
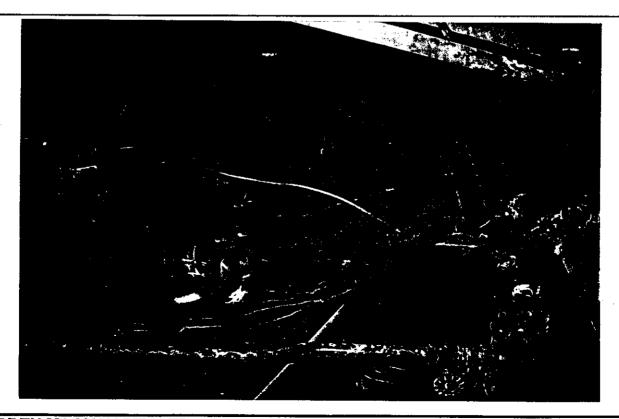


Photo: FILM No. 95-169-6-18

Photographed and inspected December 1995



Item Na	me: C36	Class Boi	er				Item No. 189
Conditio	n:				<u> </u>		
						rust and bare metal. e employed to determi	
Significa	ance Mat	trix			State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research	Category	☐ Moveable Item ☐	Industrial Relic
Rare	Œ	Œ		Potential	Themes	☐ 13 Transport	
Repres-						15 Utilities	
entative	図			×		☐ 16 Industry ☐ 18 Technology	
						20 Government Admi	inistration
workshop machine item has practice.	os. The is. The ito researc The iten	item evide em is impre h and edu n will yield	ences the essive in cation pe informati	e versatility of size and form otential for de on on the natu	the works and exhib veloping a ure of past	logies now rarely evide thops in the manufactivities a unity in its designan understanding of exwork practices. The it interest societies.	ure of tools and and detail. The arly engineering
Conserv	ation Po	olicy:	<u> </u>				
collection serviced	and ste	eam systen	n to which cording to	ch it belongs.	The item	erved or restored as p is to be preserved by d maintenance schedu	being cleaned,
Policy In	nplemen	tation:					
rust is to such as abrasive treated w polycryst joints. Ir	be remo Shell EN blasting vith an in alline wa tternal su	ved or treated on treated on the second of t	ited. All r polycrynestone (finally cost should be tr	external surfa stalline wax. or similar abra pated with an d be disconne	ces are to A heavily asive or ste appropriat acted and, dispersant	g appropriate methods be treated with an approsted surface should eel brushing. Remnan e sealant such as She where possible, uncou	propriate sealant be cleaned with t rust should be II ENSIS fluid or upled at flanged
Mainten	ance Sci	hedule					
the imple	ementation	on section 12 months	. Items . Any	which are s rust or oxidat	tored exte	e necessary, coat as r rmally must be inspec ct is to be treated a ed to determine schedu	cted for rust or ccording to the
Interpre	tation:					· · · ·	
			•	•			

Item Name: The C-3	6 Cla	ssed Boiler	Item No. 190
Name Plate:			-
Associated Items:			
Individual			
Assemblage			
Collection	₫	Boilers 188-191	
System			
Operational Group			

Description: The C-36 Class Locomotive Boiler was originally a hand-stoked, coal fired boiler installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. The Boilers are over 8 metres long and stand well over 3 metres high. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe.

History: The history of the boilers is unknown. However, it is believed that they are from former locomotives which operated on the SRA network which were specially modified and installed in this location, possibly after World War II. Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location.

Function and Operation: The Boilers were originally coal fired but were converted to oil in the 1970s. The introduction of oil meant that further equipment such as blowers were added to the boilers.

Location: Bay 2 South 15 West introduction: Bay 2 South 15 West introduction of oil meant that further equipment such as blowers were added to the boilers.

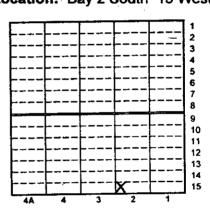
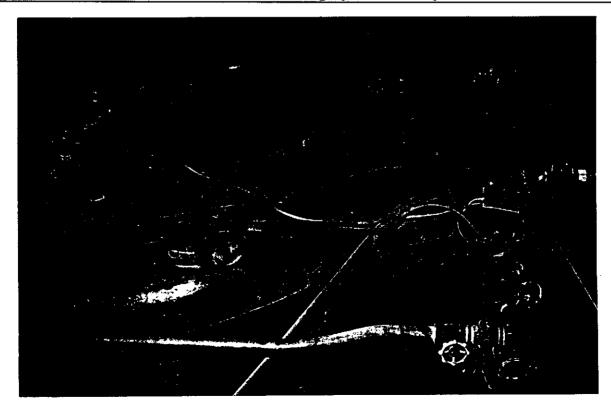


Photo: FILM No. 95-169-6-19 Photographed and inspected December 1995



Item Na	me: C36	Class Bo	iler				Item No. 190	
Conditi	on:							
The ext internal	ernal surf compone	face of the ents is unkr	item has	s patches of s boiler inspecto	superficial or should b	rust and bare metal. e employed to determ	The condition of ine condition.	
Signific	ance Ma	trix	·		State His	storical Themes:		
	Historical	Aesthetic	Social	Technology/ Research	Category	_	Industrial Relic	
Rare	X	X		Potential	Themes	☐ 13 Transport☐ 15 Utilities		
Repres-						15 Utilities 16 Industry		
entative	X			×		☐ 18 Technology		
						☐ 20 Government Adm	ninistration	
system. worksho machine item ha practice to a larg	The iter ops. The es. The ite s researc . The iter se number	m represer item evide em is impre th and edu n will yield r of former	nts forme ences the essive in acation po informati	er manufacturi e versatility of size and form otential for de ion on the natu	ng techno the works and exhib veloping a ure of past	e item is an integral plogies now rarely evidences hops in the manufactits a unity in its designan understanding of ework practices. The interest societies.	dent in operating ture of tools and and detail. The early engineering	
Conser	vation Po	olicy:						
collectionservices	n and ste I and maii	eam syster	n to which	ch it belongs.	The item	erved or restored as point is to be preserved by maintenance schedu	y being cleaned,	
Policy I	mplemen	tation:		•				
rust is to such as abrasive treated polycrys joints. I	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. All pipes should be disconnected and, where possible, uncoupled at flanged joints. Internal surfaces should be treated with a dispersant, dried and treated with an appropriate inhibitor and, where possible, sealed. Conserve in situ.							
Mainter	ance Scl	nedule						
the imp	lementation	on section 12 months	i. Items s. Any i	which are st rust or oxidat	tored exte	e necessary, coat as i mally must be inspe ct is to be treated a ed to determine sched	ected for rust or according to the	
Interpre	tation:							

36 Cla	Item No. 191	
Q	Boilers 188-191	
		Boilers 188-191

Description: The C-36 Class Locomotive Boiler was originally a hand-stoked, coal fired boiler installed in the workshops to provide steam throughout Bays 1-15 and also to the Oliver Shop. The Boilers are over 8 metres long and stand well over 3 metres high. Each has a smoke-box end which protrudes past the annexe in which it is housed and the short stack passes up through the roof of the annexe.

History: The history of the boilers is unknown. However, it is believed that they are from former locomotives which operated on the SRA network which were specially modified and installed in this location, possibly after World War II. Modifications to the annexe and some documentary evidence indicate that this is the third set of boilers which occupied this location.

Function and Operation: The Boilers were-originally coal fired but were converted to oil in the 1970s. The introduction of oil meant that further equipment such as blowers were added to the boilers.

Location: Bay 2 South 15 West coal fired but were converted to oil in the 1970s. The introduction of oil meant that further equipment such as blowers were added to the boilers.

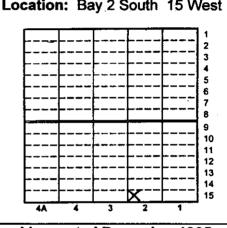
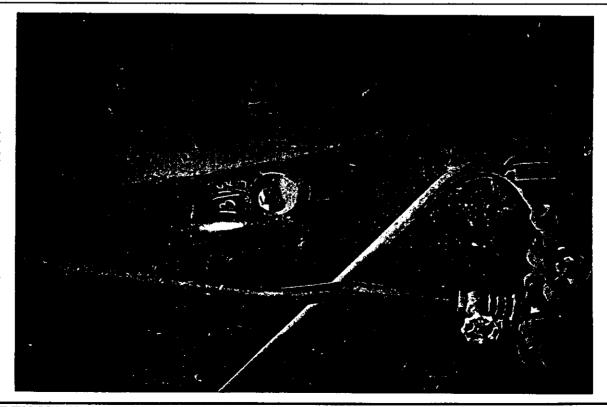


Photo:

FILM No. 95-169-6-20

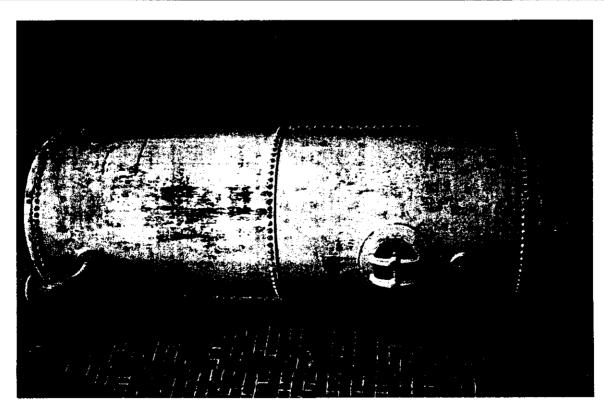
Photographed and inspected December 1995



irein Mai	ne: C36	Class Boi	ler				Item No. 191	
Conditio	n:				<u> </u>	-		
The exte	rnal surf compone	ace of the nts is unkn	item ha	s patches of s boiler inspecto	superficial or should be	rust and bare meta e employed to dete	al. The condition of rmine condition.	
Significa	ince Mat	trix			State His	storical Themes:		
_	Historical	Aesthetic	Social	Technology/ Research	Category	☐ Moveable item	☐ Industrial Relic	
Rare	E	23		Potential	Themes	☐ 13 Transport		
Repres-						15 Utilities		
entative	X			12		16 Industry		
				_		☐ 18 Technology☐ 20 Government A	dminiatantian	
Ctatama	-4 -6 Oi-	·!#	The 14				omotive Workshops	
workshop machines item has practice.	os. The s. The ite research The iten	item evide em is impre h and edu n will yield	ences the essive in cation pe informati	e versatility of size and form otential for de on on the natu	the works and exhib veloping a ure of past	shops in the manuf its a unity in its des an understanding o	evident in operating acture of tools and ign and detail. The f early engineering te item is significant	
Conserv	ation Po	licy:						
collection serviced	and ste	am systen	n to which cording to	ch it belongs.	The item	is to be preserved	s part of the boiler by being cleaned, edules given below.	
Policy In	plemen	tation:						
rust is to such as a brasive treated w polycrysta joints. In	Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. A heavily rusted surface should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes should be disconnected and, where possible, uncoupled at flanged joints. Internal surfaces should be treated with a dispersant, dried and treated with an appropriate inhibitor and, where possible, sealed. Conserve in situ.							
Maintena	nce Sch	nedule						
Inspect a the imple oxidation	II externa ementatio every 1	al surfaces on section. 12 months	items. Any	which are strust or oxidat	tored exte	mally must be ins	is recommended in spected for rust or according to the edule.	
Interpret	ation:					<u> </u>		

1996

Item Name: P	ressure Vessel	- A-10		Item No. 192
Name Plate: 1	N/A			
Associated Ite	ems:			
Individual				
Assemblage				
System				
Collection				
Description: connected to the	This is located outside ne air compressors in the	_		pressure vessel
History: Unkn	own.			
Function and	Operation: N/A		Location: Bay 4 Sou	th South of Bay
				1
				2 3
				6
				á
				9
				11
			├ ╼ ╼╌┼╌ ┞ ╌┆	12 13
			V	14
			4A 4 3×	2 +1
Photo:	FILM No. 95-169-6-21	Photographed	and inspected Decen	nber 1995
		a.a.		



1996

Item Na	me: Pre	ssure Vess	el	<u></u>			Item No. 192
Condition	on:		U 1144				
Cinnifia	11-	A					
Signific	ance Ma Historical	TFIX Aesthetic	Social	Technology/		storical Themes:	
Bana				Research Potential	Category		Industrial Relic
Rare		u			Themes	☐ 13 Transport☐ 15 Utilities	
Repres- entative				Ø		16 Industry	
						☐ 18 Technology☐ 20 Government Adm	inistration
being as	sociated	with their	operati	on for over 5	0 years.	f the Eveleigh Locomo The item is an inte interpret from its exist	gral part of the
Conserv	ation Po	olicy:					
The item	is to be	retained in the second	n its pres	sent location a	and be pre	served as part of the	compressed air
If the iter it to som outdoor	e extent	e displayed from the e	external lements	ly, a suitably o The item is	designed c to be con	over must be erected of served using appropri	over it to protect ate methods for
Policy In	nplemen	tation:					
The item Conserve		be cleane	ed. All	unsound pain	t removed	l and the item shoul	d be repainted.
Mainten	ance Scl	nedule					
If the iten	n is to be	recommis	sioned, it	should be tes	sted every	year.	
Interpret	ation:						

1996

Item Name: The Hy	Item Name: The Hydraulic Accumulator					
Name Plate: N/A			<u> </u>			
Associated Items:						
Individual						
Assemblage						
Collection						
System	\square	Hydraulic 49, 52, 144, 152-154, 158, 184-187, 193, 194,	213			
Operational Groups						

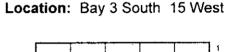
Description: The hydraulic accumulator is in fact a cylinder about 1.5 metres in diameter and some 4.5 metres high which is filled with iron scrap and in some cases sandstone. It is believed that both of these accumulators were filled with scrap iron. The accumulator, through its weight, gives an artificial head to the water in the hydraulic system. The inlet and outlet is through a single pipe which enters the ram at the base. The accumulator is fitted with guide rails which have top and bottom, cutout and activating switches.

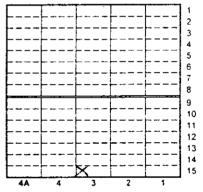
History: The age of the accumulator is unknown although it would appear that both have had recycled fabric used in their present form.

Function and Operation: The accumulator is free to move up and down the guides. As water is pumped in to the cylinder or ram it moves up. Water or fluid is used by the machines which are powered by Hydraulic fluid the accumulator rides down. There are switch mechanisms at both the top of the allowable rise and the bottom which activates and deactivates the pumps.

FILM No. 95-169-6-22

Photo:





Photographed and inspected December 1995

Item Na	em Name: Hydraulic Accumulator Item No. 193						
Conditi	Condition:						
the item	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.						
Signific	ance Mat	trix			State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	☐ Moveable Item ☐	Industrial Relic
Rare	X	X		X	Themes	13 Transport	
B						15 Utilities	
Repres- entative	X			X		16 Industry	
entauve			_	-		☐ 18 Technology ☐ 20 Government Adm	:_:_tt_
The iter which it item is t	Conservation Policy: The item is to be retained in its present location and be preserved as part of the hydraulic system to which it belongs. The item is to be reconnected to its power source and made operational. The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.						
bearing prevent may the a limest and fina	Policy Implementation: The machine is to be stripped, all cylinders cleaned and dried, all bearings and glands repacked, all internal bare metal surfaces are to be dried and greased to prevent rust. All 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. Suitable roof must be erected above the accumulators. Conserve in situ.						
Mainte	nance Scl	hedule					
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							
Interpre	Interpretation:						
				ė			

Item Name: Hydraulic Accumulator					
Name Plate:					
Associated Items:					
Individual					
Assemblage					
Collection					
System		Hydraulic 49, 52, 144, 152-154, 158, 184-187, 193, 194,	213		
Operational Groups					

Description: The hydraulic accumulator is in fact a cylinder about 1.5 metres in diameter and some 4.5 metres high which is filled with iron scrap and in some cases sandstone. It is believed that both of these accumulators were filled with scrap iron. The accumulator, through its weight, gives an artificial head to the water in the hydraulic system. The inlet and outlet is through a single pipe which enters the ram at the base. The accumulator is fitted with guide rails which have top and bottom, cutout and activating switches.

History: The age of the accumulator is unknown although it would appear that both have had some of their fabric re-used.

Function and Operation: The accumulator is free to move up and down the guides. As water is pumped in it moves up. Water or fluid is used by the machines which are powered by Hydraulic fluid the accumulator rides down. There are switch mechanisms at both the top of the allowable rise and the bottom which activates and deactivates the pumps.

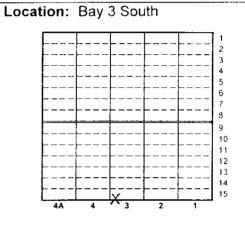
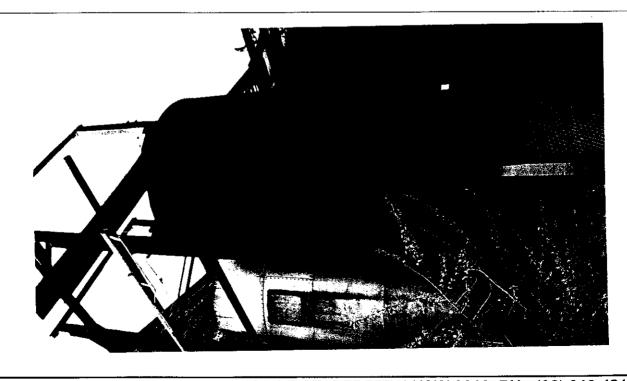


Photo: FILM No.

Photographed and inspected December 1995



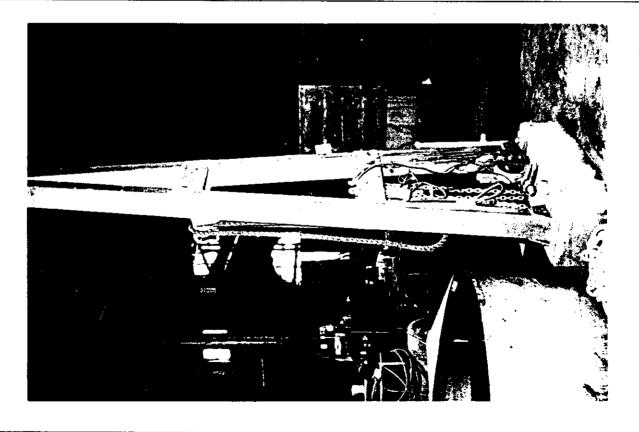
Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section..

When operational the item should be inspected every 12 months.

Interpretation:

1996

Item Name: Jib-Cra	ne	Item No.	195
Name Plate: N/A			
Associated Items: Individual Assemblage Collection System	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	95	
Operational Groups			
Description: This si	mall Jib-Crane was used as part of the spring heat treating proc	ess.	
History: Its history is	s unknown but it is believed to be of relatively modern origin.		
	ation: The Jib was swung by hand lly block and tackle hoist was used to quipment. Location: Bay 3 South	11 East 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 15	
Photo: FILM I	No. 95-169-6-24 Photographed and inspected Decemb	er 1995	



1996

Item Na	me: Jib (Crane					Item No. 195
Conditio	on:					· · · · · · · · · · · · · · · · · · ·	
The item	is in god	od structur	al repair	and has no ob	vious signs	s of rust.	
	ance Mai	trix Aesthetic	Social	Technology/	State His	storical Themes:	
	i ii storicai	Aesuleut	Social	Research Potential	Category	☐ Moveable Item	☐ Industrial Relic
Rare					Themes	13 Transport	
Repres-	_	_	_			☐ 15 Utilities ☐ 16 Industry	
entative	x			X		☐ 18 Technology	
						20 Government	Administration comotive Workshops
The item	and its		is easy				ijb crane collection. item exhibits a high
Conserv	ation Po	olicy:					
		ained in its which it b		location and b	e preserve	ed as part of the for	rge assemblage and
Policy Implementation:							
All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.							
Conserve in situ.							
Mainten	ance Sch	nedule					
Inspect for physical damage and deterioration every 12 months and implement repair as necessary.							
inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.							
Interpretation:							

1996

Item Name: The O	verhea	ad Crane	Item No. 196
Name Plate: N/A			<u> </u>
Associated It	ems:		
Individual			
Assemblage			
Collection	\square	EOHT Cranes 196, 197, 202, 207	
System			
Operational Groups	Ø	Spring Shop 123-125, 149-157, 159, 161	

Description: This overhead crane was built at the workshops of Sir William Arrowfield of Glasgow. It has a rating of 25 ton and is used for general work throughout the workshops. It is a composite lattice and plate girder beam crane which is electrically powered and is driven from an operators cabin slung beneath the beam.

History: The history of the item is unknown.

Function and Operation: The crane was operated from the cabin by three motor controllers. One motor operated the longitudinal travel, one the transverse travel of the carriage and one the hoist.

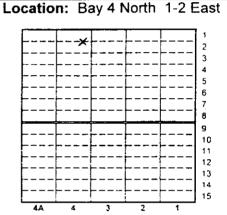


Photo:

FILM No.

Photographed and inspected December 1995



1996

item Na	me: Ove	rhead Cra	ne				Item No. 196
Conditi	on: In a	eneral the	item on	noom to be in	anarabla		
connect	Condition: In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The external surface of the item has						
patches	of superf	icial rust a	nd bare r	netal.	. 100104.	THE EXTERNAL SUM	acc of the item has
Signific	ance Ma	feiv	<u> </u>		04-4-11	4 • • •	· · · · · · · · · · · · · · · · · · ·
	Historical	Aesthetic	Social	Technology/	State His	storical Themes:	
				Research Potential	Category	☐ Moveable Item	☐ Industrial Relic
Rare	×	×		X	Themes	☐ 13 Transport	
Repres-						15 Utilities	
entative	X					16 Industry	
						☐ 18 Technology ☐ 20 Government /	A alau ininanai
Ctata	-4 -6 0		T ()/				
being 29	sur or 916 Pateious	mith their	: I ne ite	m was an inte	grai part o	of the Eveleigh Loc	omotive Workshops al part of the Spring
Shop.	The item	is impress	ive in siz	e and form a	rears. The nd exhibits	e item is an integra	ign and detail. The
item has	researc	h and edu	cation po	otential for de	veloping a	n understanding o	of early engineering
practice.	The iter	n will yield	i informat	tion on the na	ture of pas	st work practices.	The item exhibits a
high deg	ree of str	uctural inte	egrity.				
Conserv	ration Po	licv: The i	tem is to	retained in its	present lo	cation and he pres	erved as part of the
Spring S	Shop and	overhead	crane co	ellection to wh	ich it belo	nas. The item is	to be preserved by
being cl	leaned, s	serviced a	nd main	tained accord	ding to th	e implementation	and maintenance
schedule	schedules given below.						
						•	
Policy Implementation:							
All exten	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 moving parts of electric motors are to be							
covered	to preven	t ingress o	of dust. C	onserve. May	repositior	in same bay.	
Maintan	5-4						
wainten	ance Sch	ieauie					
Inspect a	all externa	al surfaces	for rust e	everv 12 mont	hs. Where	e necessary coat a	as recommended in
the imple	mentatio	n section.				, noodooda, y, doda t	20 1000111110.1000 117
			•				
							ļ
		·	<u>.</u>				
Interpret	tation:						
							·
							•
]
					•		
							ł

Item Name: The Ele	ectric	Overhead Travelling Crane Item No. 197
Name Plate:		
Associated Items:		
Individual		
Assemblage		
Collections	\Box	EOHT Cranes 196, 197, 202, 207, 219 A-H
Systems		
Operational Groups		
Description: This c	rane	manufactured by Craven Brothers in 1886, is one of the oldest cranes in

Description: This crane, manufactured by Craven Brothers in 1886, is one of the oldest cranes in existence in New South Wales. It was originally powered by a continuous rope driven from the south wall by a specially mounted steam engine.

History: The crane had been in continuous use since its installation probably in 1888. It is of a riveted plate type tapered crane beam and has a platform carriage which was originally operated from the crane platform. It has been modified at some stage, converted to electricity and a cabin for the operator has been slung beneath the crane beams.

Function and Operation: The crane is fitted with three electric motors, each one being controlled by its own motor controller in the operators cabin. The crane can run on the crane rails, the length of the workshops, while the carriage provides transverse travel and hoisting capabilities. The width of the workshops was determined not only by the roof stand but also by the width that the crane beam could span.

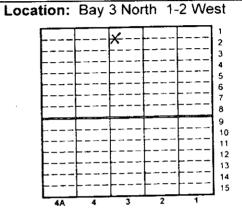
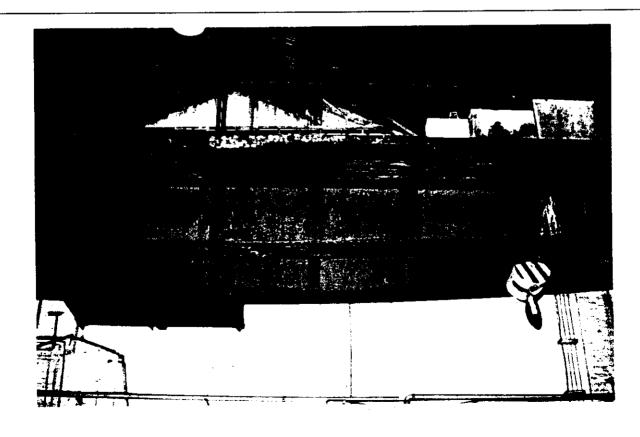


Photo:

FILM No. 95-169-6-26

Photographed and inspected December 1995



Conditi	ion: In de	neral the	item an	nears to be in	operable	condition providir	ng power sources ar
							face of the item ha
atches	of superfi	icial rust a	nd bare r	netal.			
Signific	cance Mat	trix		 	State His	torical Themes:	
J	Historical	Aesthetic	Social	Technology/ Research Potential	Category	☐ Moveable Item	☐ Industrial Relic
Rare	×	Œ		E	Themes	☐ 13 Transport	
3						15 Utilities	
Repres- entative	区					16 Industry	
IIIduvo			_	_		18 Technology	
						20 Governmen	t Administration
tem ha	s researc	h and edu m will yield	ucation p d informa	otential for de	eveloping a	n understanding	esign and detail. The of early engineering . The item exhibits
e pres	served as	part of the	Davy a	ssemblage an	d overhead	d crane collection	ition in same bay an n to which it belongs The item is to b
oe pres The ite oreserv	erved as m is to b	part of the e reconne ing clean	e Davy as ected to ed, serv	ssemblage an its power sou iced and ma	d overhead arce and n	d crane collection nade operational	n to which it belongs . The item is to b
Policy All exterust is to	m is to be nance school surface school surface school surface school sch	part of the e reconnecting clean edules give station: ces are to eved or trees are to even or trees are the even or trees are trees are the even or trees are trees ar	e Davy as ected to ed, serv en below be clear ated. All or polyc	ssemblage an its power sourced and ma	eased using	d crane collection nade operational ccording to the gappropriate me be treated with a	n to which it belongs . The item is to b implementation an ethods. All superficient
Policy All exterust is to	served as m is to b ed by be nance sche	part of the e reconnering clean edules give tation: ces are to ved or tree NSIS fluid at ingress edules ed	e Davy as ected to ed, serv en below be clear ated. All or polyc	ssemblage an its power sourced and ma	eased using	d crane collection nade operational ccording to the gappropriate me be treated with a	n to which it belongs . The item is to b implementation an ethods. All superficient
Policy All exterust is to such as covered Mainter	served as m is to b ed by be nance schellen EN d to prever nance Scl	part of the e reconnering clean edules give tation: ces are to eved or tree NSIS fluid at ingress en edule al surfaces al surfaces	be clear ated. All or polycof dust.	ssemblage an its power sou iced and ma ned and degre external surfa rystalline wax	eased using aces are to . All movi	d crane collection and a operational ccording to the gappropriate me be treated with a ing parts of election	n to which it belongs . The item is to be implementation and implementation and implementation and implementation and implementation appropriate sealar tric motors are to be
Policy All exterust is to scovered Mainter	im is to be ed by be hance scheller implement	part of the e reconnering clean edules give tation: ces are to eved or tree NSIS fluid at ingress en edule al surfaces al surfaces	be clear ated. All or polycof dust.	ssemblage an its power sou iced and ma ned and degre external surfa rystalline wax	eased using aces are to . All movi	d crane collection and a operational ccording to the gappropriate me be treated with a ing parts of election	——————————————————————————————————————
Policy All exterust is to scovered Mainter	im is to be ed by be nance scheller ementation	part of the e reconnering clean edules give tation: ces are to eved or tree NSIS fluid at ingress en edule al surfaces al surfaces	be clear ated. All or polycof dust.	ssemblage an its power sou iced and ma ned and degre external surfa rystalline wax	eased using aces are to . All movi	d crane collection and a operational ccording to the gappropriate me be treated with a ing parts of election	n to which it belongs The item is to be implementation and implementation and implementation and implementation and implementation appropriate sealar tric motors are to be
Policy All exterust is to such as covered with the imp	im is to be ed by be nance scheller ementation	part of the e reconnering clean edules give tation: ces are to eved or tree NSIS fluid at ingress en edule al surfaces al surfaces	be clear ated. All or polycof dust.	ssemblage an its power sou iced and ma ned and degre external surfa rystalline wax	eased using aces are to . All movi	d crane collection and a operational ccording to the gappropriate me be treated with a ing parts of election	n to which it belongs . The item is to be implementation and implementation and implementation and implementation and implementation appropriate sealar tric motors are to be

Item Name: Furnace Item No. 198 Name Plate: N/A Associated Items: Individual Assemblage System Furnaces 47, 48, 53, 56, 59, 79, 86, 95, 97, 99, 106, 110, 111, 129, Collection M 159, 161, 198 Steam Hammer Shop. All items in Bay 2N except 38.

Description: This small gas-fired, steel-framed and fire brick-lined furnace is fitted with a steel-framed door fitted with two counter weights. The furnace was used for heating items to be forged in the steam hammers.

History: The history of the item is not known and it does not appear on any of the historic plans.

Function and Operation: The furnace is side heated with direct flame and has no baffles. The door was opened simply by lifting from the front. Items to be heated were placed in side, possibly for periods up to 4 hours, to be thoroughly heated prior to being worked.

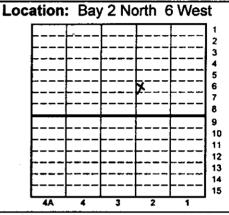
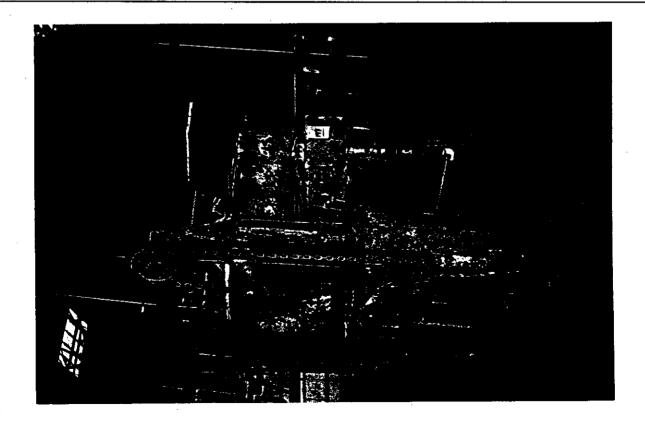


Photo: FILM No. 95-169-6-27

Photographed and inspected December 1995



1996

Item Na	me: Fur	nace					T 44 N1	400
							Item No.	198
Conditi	ion: In g	eneral, the	item ap	pears to be in	operable	condition providing po	WAL SOUTCOS	· are
connect	ted and th	e item is d	deaned.	serviced and t	ested. The	e item will need some	renair The	item
exhibits	heavy ru	st in place	s. The c	ondition of the	Dower so	urce is unknown and th	he nower so	urca
has pro	bably bee	n disconne	ected.		, pane, ee		ne power so	uice
	-							
<u> </u>					,			
Signific	ance Ma	trix			State His	storical Themes:		
	Historical	Aesthetic	Social	Technology/	1			
				Research Potential	Category	☐ Moveable Item ☐	Industrial Re	lic
Rare					Themes	☐ 13 Transport		
	_			_		15 Utilities		
Repres-					 	☐ 16 Industry		
entative	X			X				
						18 Technology		
		<u></u>				20 Government Admi	inistration	
Stateme	ent of Sig	nificance						
The iten	n was an	integral p	art of the	Eveleigh Lo	comotive V	Vorkshops being associ	aiatad with t	
operatio	n for over	30 vears.	The item	is an interca	i nart of the	hydraulic press asser	cialeu Willi I	lileli
		y	1110 11011	i io air ii iicgi a	part or tric	e nyaradiic press asser	ilbiage.	
Conser	vation Po	licy:						
		•		.	•			
hommer	n is to ret	ained in its	s present	location and	be presen	ved and retained as pa	art of the ste	eam
nammer	assembla	age and tu	rnace col	lection system	to which i	t belongs.		i
The iter	m is to	be preser	ved by	being cleane	d, service	d and maintained ac	cordina to	the
impleme	entation ar	nd mainten	ance sch	edules given l	below.			
Policy I	mplemen	tation:						
								ŀ
All exter	nal surfac	ces are to	be clean	ed and degre	ased using	appropriate methods.	. All superf	icial
rust is to	be remo	ved or trea	ited. All	external surfa	ces are to	be treated with an app	ropriate sea	lant
such as	Shell ENS	SIS fluid or	polycrys	talline wax.				
A II:								
All pipes	are to be	e aisconne	ected, clea	aned, dried ar	nd treated	with rust inhibitor. The	ey may then	ı be
reconne	cted.							
Conserv	a in aitu							
Conserv	e in situ.							
Maintan	ance Sch	odulo	<u></u>					-
maillell	alice Sci	leadle						
Inspect a	all externa	l surfaces	for ruet e	very 5 veare	Mhere no	cessary, treat as recon	mmandad in	4ha
impleme	ntation se	ection	ioi iusi c	very 5 years.	AAIICIC IIC	cessary, treat as recon	mienaea m	une
		-weit.						j
								l
						,		
Interpre	tation:		,	<u>-</u> .				
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								I
					,			
						•		

1996

Item Name: Air Receivers	Item No. 199A-B
Name Plate: N/A	
Associated Items: Individual	1.2 metres wide ths shop on the
Function and Operation: They were used as air receivers for the operation of the compressed air hammers in the Blacksmith's Shop and Carriage Workshop. Location: Bay 3 North Location: Bay 3 North	1 2 3 4 5 6 7 8 9 10 11 12 12 13 14 15
Photo: FILM No. No Number Photographed and inspected Decemb	er 1995

1996

Item Na	ame: Air l	Receivers		- += <u>-</u>	·		Item No.199a,b
Condit	ion:			-			
Signific	cance Ma	heiv .			Canan III	-4	
Olgillik	Historical	Aesthetic	Social	Technology/ Research	Category	storical Themes:	☐ Industrial Relic
Rare				Potential	Themes	☐ 13 Transport☐ 15 Utilities	
Repres- entative						☐ 16 Industry	
				_		☐ 18 Technology ☐ 20 Government	Administration
Statem	ent of Sig	nificance)	···	<u> </u>	, <u>, , , , , , , , , , , , , , , , , , </u>	
				_			
Conser	vation Po	licy:					
Remove	to Bay 1	5 for furthe	er assess	ment.			
							
	mplemen						
Relocate	e to Bay 1	5.					·
Mainter	ance Sch	edule					
Interpre	tation:						
uirei bie	iauVII.						

Name Plate: N/A Associated Items: Individual	Item Name: The Tangye	48" Wheel Lathe	Item No. 200
Individual Assemblage System Collection Lathes 38, 107, 109, 131, 141, 167, 168, 200 Description: This massive wheel lathe is now in Bay 9 South where it was originally erected. It is a twin wheel lathe and its setting and operation was partially by a self-contained hydraulic mechanism. The wheel lathe was used for turning two wheels on a bogey assembly at the one time. History: Unknown. Function and Operation: Not available. Location: Bay 9 South Description: This massive wheel lathe is now in Bay 9 South where it was originally erected. It is a twin wheel son a bogey assembly at the one time. History: Unknown. Function and Operation: Not available.	Name Plate: N/A		
Assemblage System Collection Lathes 38, 107, 109, 131, 141, 167, 168, 200 Description: This massive wheel lathe is now in Bay 9 South where it was originally erected. It is a twin wheel lathe and its setting and operation was partially by a self-contained hydraulic mechanism. The wheel lathe was used for turning two wheels on a bogey assembly at the one time. History: Unknown. Function and Operation: Not available. Location: Bay 9 South Description: This massive wheel lathe is now in Bay 9 South where it was originally erected. It is a twin wheel lathe was used for turning two wheels on a bogey assembly at the one time. Location: Bay 9 South Description: This massive wheel lathe is now in Bay 9 South where it was originally erected. It is a twin wheel lathe and its setting and operation was partially by a self-contained hydraulic mechanism. The wheel lathe was used for turning two wheels on a bogey assembly at the one time. History: Unknown. Function and Operation: Not available.	Associated Items:		
System Collection Lathes 38, 107, 109, 131, 141, 167, 168, 200 Description: This massive wheel lathe is now in Bay 9 South where it was originally erected. It is a twin wheel lathe and its setting and operation was partially by a self-contained hydraulic mechanism. The wheel lathe was used for turning two wheels on a bogey assembly at the one time. History: Unknown. Function and Operation: Not available. Location: Bay 9 South 1	Individual 🔲		
Collection	Assemblage		
Description: This massive wheel lathe is now in Bay 9 South where it was originally erected. It is a twin wheel lathe and its setting and operation was partially by a self-contained hydraulic mechanism. The wheel lathe was used for turning two wheels on a bogey assembly at the one time. History: Unknown. Function and Operation: Not available. Location: Bay 9 South Location: Bay 9 South South So	System		407, 400, 000
a twin wheel lathe and its setting and operation was partially by a self-contained hydraulic mechanism. The wheel lathe was used for turning two wheels on a bogey assembly at the one time. History: Unknown. Function and Operation: Not available. Location: Bay 9 South Comparison: Description: Pay 9 South Comparison: Pay 9	OOKCOROTI -		
Function and Operation: Not available. Location: Bay 9 South Locat	a twin wheel lathe and mechanism. The wheel time.	its setting and operation was	partially by a self-contained hydraulic
1 2 3 4 5 6 6 7 8 8 9 9 10 11 12 13 13 14 15 15 15		· Not available	Location: Bay 9 South
Photo: FILM No. 95-169-4-19 Photographed and inspected December 1995			1 2 3 4 5 6 5 5 1 1 1 1 2 1 3 1 4 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5
	Photo: FILM No.	95-169-4-19 Photographe	d and inspected December 1995



1996

Item Na	me: The	Tangye 4	8" Wheel	Lathe			Item No. 200
Conditio	n: In ac	anoral the	itam an				
connecte	ed and th	ne item is	item ap _l cleaned	pears to be in serviced and	operable	Condition providing	power sources are ace of the item has
patches	of superfi	icial rust a	nd bare r	netal.	i lesieu.	THE EXCERNAL SUIT	ace of the item has
	·						
0: :6-	5.0					-	
	ance Mat Historical	(FIX Aesthetic	Social	Technology/	State His	storical Themes:	
			000141	Research	Category	☐ Moveable Item	Industrial Relic
Rare	×	×		Potential	Themes	☐ 13 Transport	
1,016		•	J		111011103	15 Utilities	
Repres-	_	_	_			☐ 16 Industry	
entative	×			E		☐ 18 Technology	
						20 Government	Administration
Stateme	nt of Sig	nificance	: The ite	m was an inte	egral part o	of the Eveleigh Loc	omotive Workshops
being as	sociated	with their	operation	for over 40 y	ears. The	e item is an integra	al part of the Wheel
Shop O	perationa	Group.	The ite	m has resea	rch and e	ducation potential	for developing an
understa	nding of	early engi	neering p	ractice. The i	tem and its	s operation is easy	to interpret from its
existing t	adric. In	ie item ex	nidits a ni	gh degree of	structural ii	ntegrity.	
Conserv	ation Po	licy: The	item is to	be retained in	its preser	nt location and be i	preserved as part of
the Whee	el Shop C	perationa	I Group to	which it belo	ngs.	·	•
The item	is to be	preserved	by being	a carefully cle	aned, serv	riced and maintain	ed according to the
impleme	ntation an	nd mainter	nance sch	edules given	below.		
							ì
Policy In	nplemen	tation:					
All owton	al ourfor		ha alaa-				
rust is to	he remov	ved or tre	be clean IIA All	ed and degre external curfa	ased using	j appropriate metri be treated with an	ods. All superficial appropriate sealant
such as	Shell ENS	SIS fluid o	r polycrys	stalline wax. <i>A</i>	∖ll operatin	o surfaces exhibiti	ng a normally bright
finish sho	ould be su	uitably pol	ished and	coated with	an appropr	iate sealant such a	as Shell ENSIS fluid
or a poly	crystalline	e wax. All	moving	parts of electri	c motors a	ire to be covered to	o prevent ingress of
dust Ca	re should	l be taken	to replac	e all tools, rag	is, trays ar	nd shavings which	are removed during
cleaning.	i ne lath	ie is to ap	pear as it	did when the	workshops	closed in 1989.	
Maintena	nce Sch	edule					
J	H 4						
Inspect a the imple	II externa mentatio	ıl surfaces n section.	for rust (every 12 mont	ths. Where	e necessary, coat a	as recommended in
•						•	
Interpret	ation:	•					
v. pi 61	- HIVIII		•				·
	•						
					•		ļ

Item Name: The Tangye Wheel Lathe	Item No. 200
Name Plate: N/A	
Associated Items:	
Individual	1
Assemblage	
Collection	Ì
System	
Operational Groups	
Description: The Tangye Wheel Lathe is a massive cast-i World War II. The twin wheel lathe received an axle wheel carefully machined to the correct diameter. The Wheel La corrugated iron clad steel-framed shed and close inspection	set, the wheels of which were then then the the has been enclosed in a very sturdy is almost impossible.
History: The history of the item is unknown and it does no drawings.	
Function and Operation: The Wheel Lathe was one of two installed in Eveleigh. They were important in that the wheels were both brought to the same diameter simultaneously.	Location: Bay 7 South, beneath small security shed.
Photo: FILM No. Photographed and in	spected December 1995
NOT POSSIBLE TO PHOTO	OGRAPH
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Item Na	Item Name: The Tangye Wheel Lathe Item No. 200							
Condition: The Wheel Lathe appears to be in excellent condition. The operators tools are still laid on the lathe bed and the cutting tools are still mounted in the tool holders and there are shavings on the floor and upon the trays. The shavings in the trays have not rusted and the machine itself appears to be relatively rust free. Although it is by no means the oldest piece of equipment in the Workshops, because of its condition and the fact that the hydraulic lines are still intact, the								
-	operators gloves still rest on the tool holder and the electric motor appears to be serviceable, it must remain one of the prime pieces in the complex.							
Signific	ance Ma	trix			State His	storical Themes:		
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	☐ Moveable Item ☐	Industrial Relic	
Rare					Themes	☐ 13 Transport☐ 15 Utilities		
Repres- entative	×	×		×		☐ 16 Industry ☐ 18 Technology ☐ 20 Government Admi	nistration	
Stateme	ent of Sic	nificance						
operatio understa its existi	n for alm anding of	ost 40 year railway en The item	ars. The agineering	item has res	earch and e item and	Vorkshops being assorted to be described assorted to the description of the description is easy the description at lintegrity.	r developing an	
polycrys						ght surfaces polished a n axle wheel set shou		
Policy li	mplemer	tation:						
					-	an be made of the iter ts condition and locatio		
Mainten	ance Sc	hedule				• • • • • • • • • • • • • • • • • • • •		
The item should be inspected every twelve months and polished, greased or waxed as appropriate.								
Interpre	tation:			· · · · · · · · · · · · · · · · · · ·				
	Interpretation:							

Item Name: Pl	atform Trolle	y					Item No. 201
Name Plate:		*					L
Associated Ite Individual Assemblage Collections Systems Operational Gre Description: 800mm high. castors. This ty	☑ □ □ □ □ □ □ □ □ This standar It has a tim ppe of trolley	ber decking was used ext	and a ste tensively th	el frame	e and has fo	our rubber	e wide standin tired wheels o Rail Systems.
Function and end to end to end by sthe platforms trucks.	simple coupli	ng devices ai	nd moved a	around	Location: [Bay 3 North	1 4 West 1 2 3 4 5 6 7 6 9 10 11 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Photo:	FILM No. No	Number	Photog	raphed	and inspec	ted Decem	ber 1995
					K 100 M KON 100		9

1996

Item Na	ame: Plat	form Troll	еу		· · · · · · · · · · · · · · · · · · ·		Item No. 201
Condit	ion:						
The iter	n is in god	od/exceller	nt operati	ng condition.			
Signific	cance Ma	trix Aesthetic	Social	Technology/	State His	storical Themes:	
				Research Potential	Category	☐ Moveable Item	☐ Industrial Relic
Rare					Themes	☐ 13 Transport ☐ 15 Utilities	
Repres- entative	0					☐ 16 Industry ☐ 18 Technology	
Statem	ent of Sig	nificance	 .			20 Government	Administration
	_			-			
-							
`oneor	vation Po	liou	<u>.</u>			781.	
		5 for furthe	er assess	ment			
Policy I	mplemen	tation:				WA	
Relocate	e to Bay 1	5 .					
Maintor	ance Sch	adula					
Haiiitei:	ance oci	icuule		•			•
nterpre	tation:						
			,				

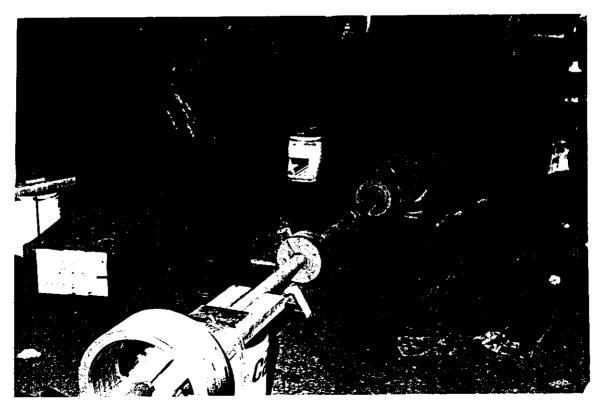
1996

Item Name: Overhead Crane	Item No. 202
Name Plate: N/A	
Associated Items: Individual □ Assemblage ☑ Davy Collection ☑ EOHTs System □ Operational Groups □ Description: Typical EOHT manufactured by Craven Bros of Manchester at in Bay 3.	nd similar to the crane
History: The history of the item is unknown.	
Function and Operation: The crane was operated from a cabin by three motor controllers. One motor operated the longitudinal travel, one the transverse travel of the carriage and one the hoist.	4A North 2 3 4 5 6 7 8 9 10 11 12 13 14 15 3 2 1
Photo: FILM No. Photographed and inspected D	December 1995

1996

Item N	ame: Ove	erhead Cra	ne L8				Item No. 202
Condition: In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested. The external surface of the item has patches of superficial rust and bare metal.							
							3
Signific	cance Ma				State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	☐ Industrial Relic
Rare	X	泛		E	Themes	☐ 13 Transport ☐ 15 Utilities	
Repres-						15 Utilities 16 Industry	
entative	×					18 Technology	
						20 Government	Administration
collection item has practice high described Consers overhead and masses and masses are collected in the coll	on. The ite s researc The ite gree of str vation Po de crane of de operat	em is improduction will yield uctural into the collection to collection to collection to collection to collection to collection.	essive in ication position position is to be which is to be item is to be item is	size and form otential for de tion on the na retained in its t belongs. Th	and exhib eveloping a sture of pass present lo be item is to eved by be	its a unity in its design understanding of st work practices. Incation and be presented in greated in greated in services.	al part of the EOHT sign and detail. The of early engineering The item exhibits a served as part of the to its power source ced and maintained
All exte rust is to such as	be remo	ces are to ved or trea ISIS fluid	ated. All or polyc	external surfa rystalline wax.	ces are to . All movi	be treated with an	nods. All superficial appropriate sealant c motors are to be
Mainter	nance Sch	nedule			******	.	
Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.							
Interpre	tation:						
merpn	rauvii.						:
							•
							Ì
	•						

Item Name: Lime Shafting	Item No. 204A
Name Plate: N/A	
Associated Items:	
Individual	
Assemblage 📮	
Collections	
Systems	
Operational Groups	
Description: The two long lime shafts were remove	ed from the locksmiths shop at the extre
north-east of the locomotive workshops site. The otl	ther shorter shafts were used to power sn
lathes in Bay 10. The longer shafts have driving wh	heels or pulleys which are made from tim
while the smaller shafts have steel wheels. The bearing	ing blocks on which the shafts were moun
are also located close by.	
History: The history of the items is unknown, however	er, they were in use prior to 1939.
Function and Operation: N/A	Location: Bay 3 North 6 West
	1
	4 5
	7 8
	9
	10
	13
	15
	4A 4 3 2 1
Photo: FILM No. No Number Photogra	aphed and inspected December 1995



1996

Item Name: Line Shafting/ Line Shafting & Countershafts							Item No.204a-d	
Condition:								
In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.								
The external surface of the item has patches of superficial rust and bare metal.								
_	ance Mati Historical	rix Aesthetic	Social	Technology/ Research Potential	State His	storical Themes: Moveable Item	☐ Industrial Relic	
Rare	E			E E	Themes	☐ 13 Transport☐ 15 Utilities		
Repres- entative	E			.		☐ 16 Industry ☐ 18 Technology		
						20 Government A		
Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 50 years. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item and its operation is easy to interpret from its existing fabric. The item exhibits a high degree of structural integrity. Conservation Policy:								
The item is to be removed to Bay 13 North and fastened to a wall and be displayed in conjucntion with machines formerly driven by belt.								
Policy Implementation: All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.								
Maintenance Schedule								
Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section.								
Interpretation:								