

1996	
------	--

	Jib Crane	Item No. 76
Name Plate:		<u> </u>
Associated Items:		м-шымі
Individual		
Assemblage		
Collection	🥳 🛛 Jib Cranes 30, 45, 46, 50, 55, 58, 76,	77, 80, 84, 183, 195
System		
Operational Group	D .	
	a small, relatively modern Jib-Crane with a	capacity of 2 tonne.
History: The history the workshop closed	is unknown but the item appears to have be down.	een introduced immediately befo
Function and Opera	tion: The item has a small carriage Loca	tion: Bay 2 South 14 West
and was operated by	nano.	
		9 10
		11 12 13 13 14 15
Photo: FILM N	No. 95-169-2-8 Photographed and in	4A 4 3 2 1
		and the second
	LE 5.02 SWL 2	CONNY'S
	LC 502 SWL 2	CONNY'S
and remaining a sure of		CONNESS

item Na	me: 2 To	n Jib Cra	ne				Item No. 76
Conditi	on:				<u></u>		····· I
The item	n is in goo	d structur	al repair a	and has no ob	vious signs	s of rust.	
					·····		-
Signific	ance Mat Historical	rix Aesthetic	Social	Technology/ Research	State His Category	storical Themes:	Industrial Relic
Rare				Potential	Themes	13 Transport	
Repres-						15 Utilities	
entative	32					16 Industry	
	—		-			18 Technology	
						20 Government /	Administration
							-
Conser	ation Po	licy:					
		-	present	location and h		d as part of the for	ge assemblage and
	lection to				e preserve	a as part of the for	ge assemblage and
			-				
Policy Ir	nplement	tation:					
rust is to	be remov	ved or trea	ated. All	ned and degre external surfa stalline wax.	eased using ces are to	g appropriate meth be treated with an	ods. All superficial appropriate sealant
Conserv	e in situ.						
Mainten	ance Sch	edule	<u></u>				
Inspect f	or physica	al damage	and dete	erioration ever	y 12 month	is and implement r	epair as necessary.
	all externa ntation se		for rust e	every 5 years.	Where ne	cessary, treat as r	ecommended in the
			.				
Interpret	tation:						
						RN NSW 2016 P	

Item Name: One Tonne Jib-Crane	Item No. 77
Name Plate:	<u> </u>
Associated Items: Individual Assemblage Collection System Operational Group Description: This small hand operated crane, like other jib the wall is staid to the overhead crane rail beam. It consists universal section jib which is staid by a twin back-to-back ang	cranes which are located away from s of a universal section king post an
History:	
Function and Operation: The crane was formerly fitted L with a hand operated block and tackle and the operation was done by hand.	ocation: Bay 2 South 12 West 1 2 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 13 14 15
Photo: FILM No. 95.169.2.9 Photographed a	nd inspected December 1995

Item Na	me: 17	on Jib Crar	ie				Item No. 77
Conditi	on:						
The item	n is in go	od structura	al repair	and has no ob	ovious sign	s of rust.	
Signific	ance Ma Historical	atrix Aesthetic	Social	Technology/	State His	storical Themes:	
				Research Potential	Category	🗅 Moveable Item 🛛 🕻	Industrial Relic
Rare					Themes	13 Transport	
Repres-	_	_				 15 Utilities 16 Industry 	
entative	X			X		18 Technology	_
						20 Government Adm	
exhibits a	a high de	egree of stru	ictural in	tegrity.	— —	ret from its existing fa	
Conserv	ation Po	olicy:	·	<u></u>			
The item crane col	is to ret llection t	ained in its o which it be	present i elongs.	location and b	e preserve	d as part of the forge a	assemblage and
Policy In	nlemer	atation.					
	-						
rust is to	be remo	ces are to l oved or treat SIS fluid or	ted. All	external surface	ased using ces are to	g appropriate methods be treated with an app	. All superficial propriate sealant
Conserve	in situ.		·				
Maintena	ince Sc	hedule					
Inspect fo	or physic	al damage :	and dete	rioration even	y 12 month	is and implement repa	ir as necessary.
Inspect a implemer	II externation se	al surfaces f ection.	for rust e	every 5 years.	Where ne	cessary, treat as reco	mmended in the
Interpret	ation:				<u></u>	· · · · · · · · · · · · · · · · · · ·	
							ļ
							I

Item Name: Frazing Wheel and Saw			Item No.	78
Name Plate:			<u></u>	
Associated Items: Individual				
Assemblage				
Collection I Frazing Wheels	33, 78, 82, 83,	92		
System 🔲				
Operational Group				
Description: This Frazing Wheel was man	nufactured by th	e workshops and consis	ts of a cast	iron
steel frame which supports two bearing bloc	cks. The bearing	g block supports the mair	ר shaft on w	hich
the frazing wheel and saw were mounted. motor mounted on the rear of the frame.	The shall was	driven by v-beits from	a small ele	ctric
History: The history of the item is unknown	nown but it app	pears that it was once	driven from	n an
overhead line shaft. It was certainly in anot	her location befo	pre being mounted here.		
Function and Operation: The frazin	g wheel was	Location: 2 South 12	West	
generally used for rough trimming of hot saw was probably used for trimming hot me	metal and the			
out was probably used for thinning hot me	tai pieces.	<u>_</u>	2 3	
			4 5	
	* ************************************		6 7	
			8	
			9 1C	
			¹¹ 12	
	·		13	
		4A 4 3 2	15	
Photo: FILM No. 95-169-2-10	Destaguantes			
		and inspected Decemb	er 1995	

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

1996	
------	--

Item Na	me: Fraz	zing Whee	& Saw		<u></u>		Item No. 78
-	al, the ite	m appears d, serviced		•	dition provi	ding power sources	are connected and
The exte	rnal surfa	ace of the i	tem has j	patches of su	perficial ru	st and bare metal.	
The pain	ted surfa	ce of the it	em is det	eriorating.			
Significa	ance Mat	trix			State His	storical Themes:	
-	Historical	Aesthetic	Social	Technology/ Research Potential	Category	C Moveable Item	Industrial Relic
Rare		X		×	Themes	13 Transport	
Repres-						15 Utilities	
entative	i.			X		16 Industry	
	_	_	-	_		 18 Technology 20 Government A 	dministration
worksnoj integrity.	us in the	manulac(U	ne or (00)	is and machin	ies. The II	em exhibits a high o	
Conserv	ation Po	licy:					
The item which it t		ained in its	present l	ocation and b	e preserve	ed as part of frazing	wheel collection to
				being cleane Iedules given		ed and maintained	according to the
Policy In	nplemen	tation:				<u> </u>	
rust is to such as abrasive treated v	be remo Shell EN blasting	ved or trea SIS fluid o using a lin hibitor and	ated. All or polycry: nestone c	external surfa stalline wax. or similar abra	ices are to A heavily asive or st	be treated with an a rusted surface shou eel brushing. Remr	ods. All superficial appropriate sealant uld be cleaned with nant rust should be Shell ENSIS fluid or
Mainten	ance Scl	hedule					
-		al surfaces on section.	for rust (every 12 mon	iths. Whe	e necessary, coat a	as recommended in
Conservo	e in situ.						
Interpre	tation:						

Description: This small gas-fired furnace is steel framed Steel-framed front door is counter-balanced with two heavy sections of pipe. History: The history of the item is not known but it appears nounted in this position for some years.	weights which consist of concrete
Individual Image Ajax 79, 80, 81, 82, 100C Assemblage Image: Furnaces 47, 48, 53, 56, 59, 79, 159, 161, 198 Collection Image: Furnace 159, 161, 198 Operational Group Image: Furnace 159, 161, 198 Operation: This small gas-fired furnace is steel framed 159, 161, 198 Steel-framed front door is counter-balanced with two heavy sections of pipe. Image: Furnace 159, 161, 198 History: The history of the item is not known but it appears nounted in this position for some years. Function and Operation: The item was used for heating 159, 161, 162 Meetions before being formed in the Ajax Forming Image: Function 160, 162	and mounted on a brick plinth. The weights which consist of concrete
Assemblage Ajax 79, 80, 81, 82, 100C Collection Furnaces 47, 48, 53, 56, 59, 79, System 159, 161, 198 Operational Group C Description: This small gas-fired furnace is steel framed steel-framed front door is counter-balanced with two heavy sections of pipe. History: The history of the item is not known but it appears nounted in this position for some years. Function and Operation: The item was used for heating 1 sections before being formed in the Ajax Forming	and mounted on a brick plinth. The weights which consist of concrete
Collection Furnaces 47, 48, 53, 56, 59, 79, System Descriptional Group Description: This small gas-fired furnace is steel framed steel-framed front door is counter-balanced with two heavy sections of pipe. History: The history of the item is not known but it appears nounted in this position for some years. Function and Operation: The item was used for heating I sections before being formed in the Ajax Forming	and mounted on a brick plinth. The weights which consist of concrete
Description: This small gas-fired furnace is steel framed Steel-framed front door is counter-balanced with two heavy sections of pipe. History: The history of the item is not known but it appears nounted in this position for some years. Function and Operation: The item was used for heating I sections before being formed in the Ajax Forming	and mounted on a brick plinth. The weights which consist of concrete
Description: This small gas-fired furnace is steel framed Steel-framed front door is counter-balanced with two heavy sections of pipe. History: The history of the item is not known but it appears nounted in this position for some years. Function and Operation: The item was used for heating I sections before being formed in the Ajax Forming	and mounted on a brick plinth. The weights which consist of concrete
Description: This small gas-fired furnace is steel framed steel-framed front door is counter-balanced with two heavy sections of pipe. History: The history of the item is not known but it appears nounted in this position for some years. Function and Operation: The item was used for heating I sections before being formed in the Ajax Forming	weights which consist of concrete
History: The history of the item is not known but it appears nounted in this position for some years. Function and Operation: The item was used for heating is rections before being formed in the Ajax Forming	weights which consist of concrete
unction and Operation: The item was used for heating I ections before being formed in the Ajax Forming	s to have been departmental built ar
ections before being formed in the Ajax Forming	
Achine. The precise method of operation is unknown.	Location: Bay 2 South 12 West
machine. The precise method of operation is unknown.	
	23
	56
	·····
	9
	12 13
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
hoto: FILM No. 95-169-2-11 Photographed a	nd inspected December 1995

Item Na	me: Fun	nace for Aj	ax	••••• <u>•••••</u> ••••			Item No. 79		
exhibits	ed and th heavy ru	e item is c	leaned, s s. The c	serviced and t	ested. The	e item will need so	g power sources are me repair. The item nd the power source		
Significance Matrix Historical Aesthetic Social Technology/									
	nistorical	Aesuleuc	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic		
Rare				D	Themes	13 Transport			
Repres-						15 Utilities			
entative	X			×		16 Industry 18 Technology			
						20 Government	Administration		
Statem	ent of Sig	nificance			I				
operatio	n for over	30 years.	art of the The iten	e Eveleigh Loo n is an integra	comotive V I part of the	Vorkshops being a e Ajax forge assem	issociated with their iblage.		
Conser	vation Po	licy:							
The iten assemble	n is to rel lage and f	ained in it urnace col	s preser	it location and ystem to which	d be prese n it belongs	rved and retained	as part of the Ajax		
				being cleane Iedules given		d and maintained	d according to the		
Conserv	e in situ.								
Policy I	mplemen	tation:		······					
rust is to	be remo	ved or trea	ated. All	ed and degre external surfa talline wax.	eased using ces are to	g appropriate meth be treated with an	nods. All superficial appropriate sealant		
Mainten	ance Sch	nedule							
	all externa Intation se		for rust e	every 5 years.	Where ne	ecessary, treat as r	ecommended in the		
Interpre	tation:								
•							_		

Item Name: Jib-Crane		14	
		ltem No.	80
Name Plate:			
Associated Items:			
Individual			
Assemblage			
Collection		95	
System			
Operational Group			
universal section jib whic	II hand operated crane, like other jib cranes which are loca overhead crane rail beam. It consists of a universal section of is stayed by a twin back-to-back angled section sealed pie		from anc
History:			
with a hand operated blows done by hand.	n: The crane was formerly fitted ock and tackle and the operation	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	
Photo: FILM No.	95-169-2-12 Photographed and inspected December	er 1995	

Condition: The item is in good structural repair and has no obvious signs of rust. Significance Matrix Technology/ Research Historical Aesthetic Social Technology/ Potential State Historical The Category are Image: Im	
ignificance Matrix State Historical The Historical The Historical Aesthetic Social Technology/ Research Potential Themes 13 Transport of the second Potential Themes 13 Transport of the second Potential Themes 13 Transport of the second Potential 15 Utility 15 Utility 16 Industry 16 Industry 17 Industry 18 Technology 18	
ignificance Matrix State Historical The Historical The Historical Aesthetic Social Technology/ Research Potential Themes 13 Transport of the second Potential Themes 13 Transport of the second Potential Themes 13 Transport of the second Potential 15 Utility 15 Utility 16 Industry 16 Industry 17 Industry 18 Technology 18	
Historical Aesthetic Social Technology/ Research Potential Category Moveab are	
Historical Aesthetic Social Technology/ Research Potential Category Moveab are	
are Image: Potential are in the image: Potential are intervent of a significance: The item was an integral part of the Evelopeing associated with their operation for over 30 years. The item an iterpret from its existing fabric. The item exhibits a high degree of struct onservation Policy: he item is to retained in its present location and be preserved as part or rane collection to which it belongs. olicy Implementation: II external surfaces are to be cleaned and degreased using appropriation as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule spect for physical damage and deterioration every 12 months and implementation:	déam 💭 Induction de la Parla
epres- intative Image: Construction of the second seco	
epres- intative Image: Ima	
Image:	+
20 Gove tatement of Significance: The item was an integral part of the Evele eing associated with their operation for over 30 years. The item an iterpret from its existing fabric. The item exhibits a high degree of struct onservation Policy: he item is to retained in its present location and be preserved as part o rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ast is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule aspect for physical damage and deterioration every 12 months and imple aspect all external surfaces for rust every 5 years. Where necessary, treated of the section is to every 5 years.	•
eing associated with their operation for over 30 years. The item an interpret from its existing fabric. The item exhibits a high degree of struct onservation Policy: he item is to retained in its present location and be preserved as part of rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ist is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ.	nment Administration
eing associated with their operation for over 30 years. The item an interpret from its existing fabric. The item exhibits a high degree of struct onservation Policy: he item is to retained in its present location and be preserved as part of rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ist is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ.	th Locomotive Workshops
onservation Policy: he item is to retained in its present location and be preserved as part or rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropriation is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule uspect for physical damage and deterioration every 12 months and implementation spect all external surfaces for rust every 5 years. Where necessary, the	
he item is to retained in its present location and be preserved as part or rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ist is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule respect for physical damage and deterioration every 12 months and imple respect all external surfaces for rust every 5 years. Where necessary, the	
he item is to retained in its present location and be preserved as part or rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ist is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule respect for physical damage and deterioration every 12 months and imple respect all external surfaces for rust every 5 years. Where necessary, the	
he item is to retained in its present location and be preserved as part or rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ist is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule respect for physical damage and deterioration every 12 months and imple respect all external surfaces for rust every 5 years. Where necessary, the	-
he item is to retained in its present location and be preserved as part or rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ist is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule respect for physical damage and deterioration every 12 months and imple respect all external surfaces for rust every 5 years. Where necessary, the	
rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ust is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule uspect for physical damage and deterioration every 12 months and imple uspect all external surfaces for rust every 5 years. Where necessary, trees	· · · · · · · · · · · · · · · · · · ·
rane collection to which it belongs. olicy Implementation: Il external surfaces are to be cleaned and degreased using appropria ust is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule uspect for physical damage and deterioration every 12 months and imple uspect all external surfaces for rust every 5 years. Where necessary, trees	the forge assemblage and
Il external surfaces are to be cleaned and degreased using appropria ust is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ.	5 5 5
Il external surfaces are to be cleaned and degreased using appropria ust is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ.	
Il external surfaces are to be cleaned and degreased using appropria ust is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ.	
ust is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule uspect for physical damage and deterioration every 12 months and impli-	
ust is to be removed or treated. All external surfaces are to be treated uch as Shell ENSIS fluid or polycrystalline wax. onserve in situ. laintenance Schedule uspect for physical damage and deterioration every 12 months and impli-	e methods All superficial
onserve in situ. laintenance Schedule ispect for physical damage and deterioration every 12 months and impl ispect all external surfaces for rust every 5 years. Where necessary, th	
laintenance Schedule Ispect for physical damage and deterioration every 12 months and impl Ispect all external surfaces for rust every 5 years. Where necessary, th	
laintenance Schedule Ispect for physical damage and deterioration every 12 months and impl Ispect all external surfaces for rust every 5 years. Where necessary, th	
spect for physical damage and deterioration every 12 months and implies spect all external surfaces for rust every 5 years. Where necessary, the	
spect for physical damage and deterioration every 12 months and implies spect all external surfaces for rust every 5 years. Where necessary, the	
spect for physical damage and deterioration every 12 months and implies spect all external surfaces for rust every 5 years. Where necessary, the	
spect all external surfaces for rust every 5 years. Where necessary, th	
	rith an appropriate sealant
ipienientation section.	rith an appropriate sealant ment repair as necessary.
-	rith an appropriate sealant ment repair as necessary.
	rith an appropriate sealant ment repair as necessary.
A	rith an appropriate sealant ment repair as necessary.
terpretation:	rith an appropriate sealant ment repair as necessary.
	rith an appropriate sealant ment repair as necessary.
	rith an appropriate sealant ment repair as necessary.
	rith an appropriate sealant ment repair as necessary.
	rith an appropriate sealant ment repair as necessary.
	rith an appropriate sealant ment repair as necessary.

Item Name: The Ajax Continuous Forging Machine	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	Item No. 81
Name Plate:		
Associated Items:		
Individual		
Assemblage		
—		
Operational Group		
Description: This massive, cast-iron continuous forging	machine is of the Unive	ersal type. He
inclai rou is inter into the machine which is cut to le	angth un-set and boado	d bofore hair
discharged. A number of different shaped dies can be r	placed in the machine.	The machine i
powered by an electric motor.		
History The item was installed a cooperate		
History: The item was installed in 1922. This was probunknown.	ably its original location a	although that i
JIKNOWN.		
unction and Operation: Hot steel rods are removed		
rom the small furnace adjacent and fed into the machine.	Location: Bay 2 South	11 West
t was used for manufacturing a wide range of rivets, bolts		1
and pins which were used throughout the workshops and	┃	2 3
ne NSW Rail System.		4
ie novi nan bystem.		
		10
	└── ├ ─── / ─── / ──	
		13
		14
	4A 4 3 2	1
hoto: FILM No. 95-169-2-13 Photographed	and inspected Decembe	er 1995
	i i i i i i i i i i i i i i i i i i i	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	~	
		•
	an and a second second	
		4 A.
	F F F	
	702	¥.
	2	
		i.
A state of the second sec		
and the second sec		

1996

Item Name: Ajax Continuous Forging Machine	Item No. 81
--	-------------

Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.

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

Significance Matrix					State Historical Themes:			
	Historical	Aesthetic	Social	Technology/ Research Potential	Category Moveable Item Industrial F		Industrial Relic	
Rare	X	X		X	Themes	13 Transport 15 Utilities		
Repres- entative	X	D		X		16 Industry		
UNILLIU		-	-			 18 Technology 20 Government A 	Administration	

Statement of Significance 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.

Conservation Policy:

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.

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. The machine should be serviced by a qualified engineer.

Conserve in situ.

Maintenance Schedule

Interpretation:

Item Name: Frazing Wheel and Saw	Item No. 8
Name Plate:	
Associated Items:	
Individual 🛛	
Assemblage 🗹 Ajax 79, 80, 81, 82, 100C	
Collection I Frazing Wheels 33, 78, 82, 83, 92	
System	
Operational Group	
Description: This Frazing Wheel was manufactured by the workshops an	d consists of a cast ir
steel name which supports two bearing blocks. The bearing block supports	the main shaft on wh
the frazing wheel and saw were mounted. The shaft was driven by V-be motor mounted on the rear of the frame.	Its from a small elect
motor mounted on the real of the frame.	
History: The frazing wheel was installed in 1946. It may have once been of	trivon from an avert
line shaft. It was certainly mounted in another location before being mounte	d here.
Function and Operation: The frazing wheel was Location: Bay generally used for rough trimming of hot metal and the	2 South 11 West
saw was probably used for trimming hot metal pieces as	····
well.	2
	3
	6 7
	8
	10
	$ X_{$
	13
	¹⁴ 15
4A 4	3 2 1
Photo: FILM No. 95-169-2-14 Photographed and inspected I	December 1995
MADING STATES	
1462	/

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

.

Item Name: Frazing Wheel and Saw

Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.

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

The painted surface of the item is deteriorating.

Significance Matrix

10.9	ounce ma				State Historical Inemes:				
i de la constante de la consta	Historical	Aesthetic	Social	Technology/					
				Research Potential	Category	Moveable Item	Industrial Relic		
Rare	X	X		×	Themes	13 Transport			
Baarra						15 Utilities			
Repres-	E	-				16 Industry			
entative	X	U	4	X		18 Technology			
				_		20 Government	Administration		

Chada Illinda da 1771

Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 60 years. The item is an integral part of the 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.

Conservation Policy:

The item is to 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.

Policy Implementation:

All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.

All heavily rusted surface should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.

Conserve in situ.

Maintenance Schedule

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

Interpretation:

Itom Nomes Francisco			30
Item Name: Frazing a Name Plate:	nd Grinding Wheel	Item No.	83
Associated Items:			
the state of the second se			
	J 7 Course 82 84 85 86 1000		
_	☑ Covmac 83, 84, 85, 86, 100C ☑ Frazing Wheels 33, 78, 82, 83, 92		
- ,			
which holds a frazing w	zing and Grinding Wheel has a cast-iron bed on which is m wheel on one end and a fifteen inch emery wheel on the other.	Two bea	shaft
integrated into the cast	iron frame, support the shaft. A driven wheel is located in th	a middle i	nnya. of the
shaft which is powered	by a series of four V-belts by a one horsepower electric mote	or There	is no
name plate information	on the item but it is believed that it was cast in the Eveleig	h Foundr	v and
that the item has been	produced by the Workshop.		y carro
	f the item is unknown but it is likely that it dates from the time	that this p	art of
the blacksmith's shop h	had the steam hammer installed.	····· · · · · · · ·	
	tion: The Frazing and Grinding Location: Bay 2 South	10 West	
Wheel is used for the r	ough cleaning of items which have		
	ay 2 North. The Frazing Wheel		
	nardened teeth which are parallel to		
	These teeth which have a pitch of		
	or the rough shaping of hot steel as		
it comes from the forge	• ++-	8	
		9	
		1	1
			2 3
			4
	4A 4 3	2 1 ¹	5
Photo: FILM No	95-169-2-15 Photographed and inspected December	er 1995	
······································			
	- 1		
	1.64 •		
5			
a second to be a seco	and the second		
		5. pro 1	

Item No. 83

Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.

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

The painted surface of the item is deteriorating.

Item Name: Frazing Wheel/ Grinder

Significance Matrix State Historical Themes: Historical Aesthetic Social Technology/ Industrial Relic Research Moveable Item Category Potential x Rare × Themes 13 Transport 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 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.

Conservation Policy:

The item is to retained in its present location and be preserved as part of the steam hammer assemblage and frazing wheel collection to which it belongs.

The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.

Policy Implementation:

All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.

All heavily rusted surfaces should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.

Conserve in situ.

Maintenance Schedule

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

Interpretation:

	CWT JIB-C	Jane					Item	No.	84
Name Plate:		<u></u>		<u> </u>					
Associated Item	ns:								-
ndividual									
Assemblage	D,								
Collection	D D	Jib Cranes	30, 45, 46,	50, 55, 5	58, 76, 77	, 80, 84, 18	3, 195		
System						. , .			
Operational Grou	up 🗖								
Description: Th	nis small h	hand operate	ed crane, li	ke other	iib crane	s which are	e located av	vav	fre
ne wall is stayed	d to the ov	erhead cran	ne rail beam	 It cons 	sists of a	universal s	ection kina	post	a
universal section	jib which	is staid by a	twin back-t	o-back a	ngled sec	tion sealed	piece.	•	
listory:		<u>.</u>		·	- <u></u>		<u> </u>		
Function and O	peration:	The crane	was forme	rly fitted	Locatio	n:			
vith a hand oper vas done by hand		k and tackle	and the o	peration	l			٦.	
vas done by ham	ч.							2	
					[3	
								5	
								6	
								8	
							_X	9 10	
								11	
								12	
								13	
								13 14	
							2 1		
					44		2 1	14	
hoto: FiL	.M No. 95	5-169-2-16	Photo	graphed			2 1 ember 199	14 15	
hoto: Fil	.M No. 95	5-169-2-16	Photo	graphed			-	14 15	
hoto: Fil	-M No. 95	5-169-2-16	Photo	graphed			-	14 15	
hoto: FiL	-M No. 95	5-169-2-16	Photo	graphed		ected Dec	ember 199	14 15	
hoto: FiL	.M No. 95	5-169-2-16	Photo	graphed		ected Dec	-	14 15	
	1		Photo	graphed		ected Dec	ember 199	14 15	
	-M No. 95		Photo	graphed		ected Dec	ember 199	14 15	
	1		Photo	graphed		ected Dec	ember 199	14 15	
	1		Photo		and insp	ected Dec	ember 199	14 15	
	1		Photo			ected Dec	ember 199	14 15	
	1		Photo		and insp	ected Dec	ember 199	14 15	
	1		Photo		and insp	ected Dec	ember 199	14 15	
	1		Photo		and insp	ected Dec	ember 199	14 15	
	1		Photo		and insp	ected Dec	ember 199	14 15	
	1		Photo		and insp		ember 199	14 15	
	1		Photo		and insp	ected Dec	ember 199	14 15	
	1		Photo		and insp		ember 199	14 15	
	1		Photo		and insp	Dected Dec	ember 199	14 15	
	1		Photo		and insp	Dected Dec	ember 199	14 15	
	1		Photo		and insp	Dected Dec	ember 199	14 15	
	1		Photo		and insp	Dected Dec	ember 199	14 15	

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

4000

Item N	ame: 10	CWT Jib C	rane			CONSERVATIO	N 1996
Condit	ion:			<u>. </u>			
The ite	m is in goo	od structur	al repair a	and has no ob	vious sign	s of rust.	
Signifi	cance Ma	trix			State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research	Category	Moveable Item	Industrial Relic
Rare				Potential	Themes	13 Transport	
Repres-						15 Utilities	
entative	×			X		16 Industry 18 Technology	
						20 Government A	dministration
exhibits	a high de	gree of str	uctural in	tegrity.	y to interpi	ret from its existing	g fabric. The item
Conser	vation Po	licy:					
The iter which it	n is to rel belongs.	ained in it	s present	t location and	be preser	ved as part of the	crane collection to
Policy I	mplemen	tation:					
rust is to	o be remo	ved or trea	ited. All (ed and degre external surfa talline wax.	ased using ces are to	g appropriate metho be treated with an a	ods. All superficial appropriate sealant
Conserv	/e in situ.						
<u>+</u>							
Mainten	ance Sch	nedule					
Inspect	for physic:	al damage	and dete	rioration ever	y 12 month	ns and implement re	epair as necessary.
Inspect a implement	all externa entation se	al surfaces ection.	for rust e	very 5 years.	Where ne	cessary, treat as re	commended in the
Interpre	tation:	. "				··· , , , <u>, , , , , , , , , , , , , , ,</u>	
							Ĭ

Item Name: The Covmac Continuous Forging Machine		Item No. 85
Name Plate:	<u> </u>	
Associated Items:		
Individual 🛛		
Assemblage I Covmac 83, 84, 85, 86, 100C		
Collection		
System		
Operational Group		
Description: The Covmac Continuous Forging Machine is	a massive cast-iron struc	cture which was
used for producing rivets and bolts from hot metal stock. 1950 and has operated here until present day. This is a un can be placed on rivets, pins and bolts.	The item was installed in	this location in
History: The covmac was installed, probably in this position	n, i n 1950 .	
Function and Operation: The machine is driven by a	Location: Bay 2 South	9 West
stand-alone electric motor. It operates on the inertia		
principle, having a very heavy fly wheel. The hot stock is	<u>_</u>	1 1
fed into the machine where it is cut to size, up-set, headed		3
and injected. It was used for producing a variety of rivets,		
bolts and pins used throughout the workshops in NSW		6
Rail Network.		8
	X_	9
		10
		12
		14
	4A 4 3 2	15
Photo: FILM No. 95-169-2-17 Photographed	and inspected Decemb	er 1995
	agament with	
La Bry Contraction		
		the second se
	and the second second	
TT I I I I I I I I I I I I I I I I I I		

item Nan	ne: Covi	mac Cont	inuous F	Forging Machir	ne			Item No.	1
Conditio	n:				ng <u>.</u> .				
-		n appears I, serviced		-	dition provi	iding power sourc	es ar	re connecte	d
The exter	rnal surfa	ce of the i	tem has	patches of su	perficial ru	st and bare metal			
Significa	ince Mati	rix			State His	storical Themes:	1		
H	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item		Industrial R	e
Rare	X	X		×	Themes	13 Transport			
Repres-						15 Utilities 16 Industry			
entative	X			X		18 Technology	,		
								ninistration	
Stateme	nt of Sig	nificance	The ite	m was an inte	l aral part c	of the Eveleigh Lo	COM	otive Works	;h
						e item is a large,			
						eral engineering			
-					-	ign and detail. T			
	-		•	•	•	early engineering			
exhibits a	ı high deg	gree of stru	uctural in	ntegrity. The it	tem is an ir	ntegral part of the	Covi	mac assem	bl
Conserva	ation Pol	licy:							
		•	present	location and l	be preserv	ved as part of the	Covr	mac assem	 bl
The item	is to reta	ined in its	•	location and l	•	red as part of the	Covr	mac assem	bl
The item	is to reta	ined in its	•		•	red as part of the	Covr	mac assem	 bl
The item	is to reta	ined in its	•		•	ved as part of the	Covr	mac assem	bl
The item	is to reta	ined in its	•		•	ved as part of the	Covr	mac assem	bl
The item	is to reta elongs.	ined in its The item is	•		•	ved as part of the	Covr	mac assem	bl
The item which it b Policy Im	is to reta elongs.	ined in its The item is tation:	s to rema	ain operational	I.				
The item which it b Policy Im All extern	is to reta elongs. T plement nal surfac	ined in its The item is tation: es are to	s to rema	ain operational	ased usin	g appropriate me	thods	s. All supe	rf
The item which it b Policy In All extern rust is to	is to reta elongs plement nal surfac be remov	ined in its The item is tation: es are to red or trea	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy In All extern rust is to	is to reta elongs. plement nal surfac be remov Shell ENS	ined in its The item is tation: es are to red or trea	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me	thods in apj	s. All supe propriate se	rf
The item which it b Policy Im All extern rust is to such as \$ engineer.	is to reta elongs. plement nal surfac be remov Shell ENS	ined in its The item is tation: es are to red or trea	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy Im All extern rust is to such as \$	is to reta elongs. plement nal surfac be remov Shell ENS	ined in its The item is tation: es are to red or trea	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy Im All extern rust is to such as \$ engineer.	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rfi
The item which it b Policy In All extern rust is to such as s engineer. Conserve	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rfi
The item which it b Policy In All extern rust is to such as s engineer. Conserve	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy In All extern rust is to such as s engineer. Conserve	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rfi
The item which it b Policy Im All extern rust is to such as \$ engineer. Conserve Maintena	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy In All extern rust is to such as s engineer. Conserve	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rfi
The item which it b Policy Im All extern rust is to such as \$ engineer. Conserve Maintena	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy Im All extern rust is to such as \$ engineer. Conserve Maintena	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy Im All extern rust is to such as \$ engineer. Conserve Maintena	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rf
The item which it b Policy Im All extern rust is to such as \$ engineer. Conserve Maintena	is to reta elongs. plement hal surfac be remov Shell ENS e in situ.	ined in its The item is tation: es are to red or trea SIS fluid o	s to rema be clear ated. All	ain operational ned and degre external surfa	ased usin	g appropriate me be treated with a	thods in apj	s. All supe propriate se	rfi

1996	
------	--

Item Name: The F	urnace	for the Covmac	Item No. 86
Name Plate:			
Associated Items			
Individual			
Assemblage	Ø	Covmac 83, 84, 85, 86, 100C	
Collection	Ø	Furnaces 47 48 53 56 50 70 80	05 07 00 100 110 110
System		Furnaces 47, 48, 53, 56, 59, 79, 86, 159, 161, 198	95, 97, 99, 106, 110, 111, 129
Operational Group			
Description: The	_	Imace which was dedicated to the S	
is gas-med and is t	equippe	irnace, which was dedicated to the Cogn d with a heavy door on the front which,	besides being equater heles
i to int, also rias a se	nes or	holes and a space to allow longer stock	which was only being beaded to
be placed in the for	ge.		
Liefemu The Lit			
History: The histor	ry of the	e item is unknown.	
Function and Ope	ration:	Lengths of steel were placed Location	on: Bay 2 South 9 West
In the machine for I	heating	It would appear that in some is a	
cases the longer ler	ngths of	bar or rod could be introduced	1
to the machine throi	ugh hol	es in the bottom of the external	
door. Adjacent to	this do	or there was a bracket which	
allowed the rod or b	ar to b	e supported while one end was	
being heated.			7
		F	11 12
			13
Photo: FILM	No. 95	5-169-2-18 Photographed and ins	pected December 1995
			pected December 1995
· ·			
:	,	The second se	
-			
			9 3

1996

Signific	cance Ma	trix	<u> </u>		State Hi	storical Themes:	
- g	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic
Rare					Themes	13 Transport15 Utilities	
Repres- entative	X			X		 16 Industry 18 Technology 20 Government A 	Administration
The iter operatio	n was an In for over	integral p 30 vears.	art of the The iten	e Eveleigh Loo n is an integra	comotive V	Norkshops being as e Covmac assemble	ssociated with their
				n io an intogra		e oovinae assembli	aye.
Conser	vation Po	licy:					
The iten	n is to reta	ained in its	present	location and t	be preserve	ed and retained as	part of the Covmac
00001110	lage and f	furnace co	llection sy	ystem to which	n it belongs	S.	
The ite	m is to	furnace co be preser	llection sy ved by	ystem to which being cleane nedules given	n it belong: d, service	S.	according to the
The ite	m is to	furnace co be preser nd mainter	llection sy ved by	being cleane	n it belong: d, service	S.	
The ite impleme Policy I All exter rust is to	m is to entation ar mplemen mal surface be remo	turnace co be preser nd mainter tation: ces are to ved or trea	llection sy ved by nance sch be clean ated. All	being cleane nedules given 	n it belongs d, service below. ased using	s. ed and maintained	
The ite impleme Policy I All exter rust is to such as All pipes	m is to entation ar mplemen mal surfac be remo Shell ENS s are to be	furnace co be preser nd mainter station: ces are to ved or trea SIS fluid or	be clean	being cleane nedules given ned and degre external surfa talline wax.	n it belongs d, service below. eased using ces are to	s. ed and maintained g appropriate metho be treated with an a	according to the
The ite impleme Policy I All exter rust is to such as All pipes reconne	m is to entation ar mplemen mal surfac be remo Shell ENS s are to be	furnace co be preser nd mainter station: ces are to ved or trea SIS fluid or	be clean	being cleane nedules given ned and degre external surfa talline wax.	n it belongs d, service below. eased using ces are to	s. ed and maintained g appropriate metho be treated with an a	according to the ods. All superficial appropriate sealant
The ite impleme Policy I All exter rust is to such as All pipes reconne Conserv	m is to entation ar mplemen mal surface be remo Shell ENS s are to be cted.	furnace co be preser nd mainter tation: ces are to ved or trea SIS fluid or e disconne	be clean	being cleane nedules given ned and degre external surfa talline wax.	n it belongs d, service below. eased using ces are to	s. ed and maintained g appropriate metho be treated with an a	according to the ods. All superficial appropriate sealant
The ite impleme Policy I All exter rust is to such as All pipes reconne Conserv Mainter	m is to entation an mplemen mal surface be remo Shell ENS s are to be cted. re in situ.	furnace co be preser nd mainter itation: ces are to ved or trea SIS fluid or e disconne nedule al surfaces	llection sy ved by hance sch be clean ated. All polycrys ected, cle	being cleane nedules given ned and degre external surfa talline wax. aned, dried an	n it belongs d, service below. ased using ces are to nd treated	s. ed and maintained g appropriate metho be treated with an a with rust inhibitor.	according to the ods. All superficial appropriate sealant
The ite impleme Policy I All exter rust is to such as All pipes reconne Conserv Mainter	m is to entation an mplemen mal surface o be remo Shell ENS s are to be cted. re in situ. ance Sch all externa	furnace co be preser nd mainter itation: ces are to ved or trea SIS fluid or e disconne nedule al surfaces	llection sy ved by hance sch be clean ated. All polycrys ected, cle	being cleane nedules given ned and degre external surfa talline wax. aned, dried an	n it belongs d, service below. ased using ces are to nd treated	s. ed and maintained g appropriate metho be treated with an a with rust inhibitor.	according to the ods. All superficial appropriate sealant They may then be
The ite impleme Policy I All exter rust is to such as All pipes reconne Conserv Mainter	m is to entation an mplemen mal surface o be remo Shell ENS s are to be cted. re in situ. ance Sch all externa	furnace co be preser nd mainter itation: ces are to ved or trea SIS fluid or e disconne nedule al surfaces	llection sy ved by hance sch be clean ated. All polycrys ected, cle	being cleane nedules given ned and degre external surfa talline wax. aned, dried an	n it belongs d, service below. ased using ces are to nd treated	s. ed and maintained g appropriate metho be treated with an a with rust inhibitor.	according to the ods. All superficial appropriate sealant They may then be

ų

Item Name: The Blacksmiths Forge and Coke Bin		Item No.87
Name Plate:		I
Associated Items:		
Individual		
Assemblage		
Collection D Forges 27A-H, 44, 59, 87, 88, 9	90, 93, 97, 99	
System	••••	
Operational Group		
Description: 4 of the original cast iron blacksmiths furnaces remain stage or frame which holds the cast-iron fire pan. The rear legs exten back plate and support the cast iron hood. The cast iron tuyeres will cooled. Each forge is naturally vented through a vertical stack which p cases, side panels have been added to the forges to contain the heat. volume, low pressure air lines which take air from the route blowers local History: Originally the forges were all connected to a low pitched she height of about 3-4 metres above the ground. This flue ran to two stacl not known where the formes were made but it is balanced that the	about 800mm beyond the fir hich are of the side-heating du asses through the roof of the v The forges are all connected to ated at the south end of Bay 1 to eet metal flue which ran the ler	e pan and hold the esign are all wate vorkshop. In som the sub-floor hig the forges.
originally located outside Bay 4.	are produced in the Eveleigh F	oundry which wa
-unction and Operation: The forges were all used for heating elatively small items to red or white heat for forging by hand by the	Location: Bay 2 South	9 East
Diacksmiths or beneath the four steam hammers still located in Bay 2		L] 1
the torges all used coal or coke as fuel and the air supply was		2
controlled by a lever at the rear of the forge.		
	▶ ► - -	⁵
		8
	X	9
		10 11
		¹² ¹³
	┝╼╾╼┝╼╼╼┝╼╼┿	14
	4A 4 3 2	15
hoto: FILM No. 95-169-2-19 Photographed	and inspected Decemb	- 4005
	and inspected Decemp	er 1995
		ų –
	e e e e e e e e e e e e e e e e e e e	
		-
		<u>مر</u>
		1
		/
		i
	Ň.	
	in the second se	

	GH LOC	ksmith's f	orge				Item No. 87
Conditi							
n gene	ral, the ite	m appear	s to be in	operable con	dition provi	ding power sources are	e connected an
he item	n is cleane	d, service	d and tes	ted.			
T L - 14		t.					
	n exhibits		t in place	S	1		
Signific	ance Mat	Aesthetic	Social	Techecles	State His	storical Themes:	
	nistoricat	Aestrieuc	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic
Rare	×	×		×	Themes	13 Transport	
•						15 Utilities	
Repres-		_	_			16 Industry	
entative				X		18 Technology	
						🛛 20 Government Admi	nistration
Statem	ent of Sig	nificance	· · · · · · · · · · · · · · · · · · ·		I		
The iter operatic	m was an on for over	integral p 100 years	oart of the s.	e Eveleigh Lo team system.	comotive V	Norkshops being asso	ciated with thei
Consor	votion Bo	liou					
	vation Po	•					
		tained in i	ts preser	nt location and	l be prese	rved as part of the for	ge collection to
which it	belongs.						
	<u>_</u>					· .	
Policy I	mplemen	tation:					
rust is to such as and trea cleaned rust sho	b be remo Shell EN ated with r with abra puld be tre	ved or trea SIS fluid o ust inhibito asive blast ated with	ated. All or polycry or. They ting using an inhibit	external surfa stalline wax. may then be a limestone	ces are to All pipes a reconnecte or similar coated with	g appropriate methods be treated with an app are to be disconnected ed. A heavily rusted su abrasive or steel brush n an appropriate sealar	ropriate sealan cleaned, driec rface should be ning. Remnan
lainter	nance Sch	nedule					
mpacte	every 5 ye	ars.					
				-			
				•			
nterpre	tation:						
-							
				·			٠
							•
							٠

Item Name: The Blacksmiths Forge		Itom No.	_
Name Plate:		item No.	88
Associated Items:		·····	
Individual 🔲			
Assemblage			
Collection Ø Forges 27A-H, 44, 59, 87, 88, 90, 93,	97 99		
System	51, 55		
Operational Group 🔲			
Description: 4 of the original cast iron blacksmiths furnaces remain in Dev 2			
stage or frame which holds the cast-iron fire pan. The rear legs extend about 8 back plate and support the cast iron hood. The cast iron hood	South. The Forges co	nsist of a cas	it-iroi
Each forge is naturally vented through a vertical stack which passes through the side panels have been added to the forges to contain the heat. The forges volume, low pressure air lines which take air from the raute block to the forges to contain the heat.			
Interesting and an interesting and interesting the source plowers located at the	ealth and af Day 4 to	Allen Kannen	
• USE J. Upginially the forges were all connected to a low pitched shoet motol	Aliza and the second to be		
not known where the forges were made but it is believed that they were produ- originally located outside Bay 4.	ced in the Eveleigh Fo	oundry which	was
relatively small items to red or white heat for forging by hand by the	ion: Bay 2 South	IU East	
blacksmiths or beneath the four steam hammers still located in Bay 2		1	
The forges all used coal or coke as fuel and the air supply was controlled by a lever at the rear of the forge.		23	
		4	
	╺╺╺┝╼╼╺┢╌┈╸┢╌╴	⁵	
		7	
		9	
	FFF	8 10	
1 5		12	
		13	
		15	
	4A 4 3 2	1	
Photo: FILM No. 95-169-2-20 Photographed and ins	spected Decembe	r 1995	<u> </u>
	ł		
the period			
		•	

1996

	me: bia(cksmith's F	Forge				Item No. 88
Conditio	on:						
n gener	al, the ite	m appears	s to be in	operable con	dition provi	iding power source	es are connected and
he item	is cleane	d, service	d and tes	ted.	•		
The item	n exhibits	heavy rus	t in place	S.			
-	ance Mat Historical	trix Aesthetic	Conici	Technologi	State His	storical Themes:	
	nistoriçai	Aesthetic	Social	Technology/ Research Potential	Category	Moveable item	Industrial Relic
Rare	X	X		X	Themes	13 Transport	
Repres-						☐ 15 Utilities	
entative	SC .			£		C 16 Industry	
		_	—	_		18 Technology	
						20 Government	Administration
stateme	ent of Sig	nificance					
The item	n was an n for over	integral p 100 years	art of the	e Eveleigh Lo	comotive V	Vorkshops being a	associated with their
		•		toom austam			
	i is all EXL	enueu par	t of the S	team system.			
Conserv	ation Po	licy:					
The item	n is to ret	-	ls presen	t location and	l be prese	rved as nart of th	e force collection to
The item vhich it b	i is to ret belongs.	-	ts presen	t location and	i be prese	rved as part of th	e forge collection to
which it b Policy In All exterr	pelongs. nplemen nal surfac	tation:	be clean	ed and degre	ased using	g appropriate met	hods. All superficial
which it b Policy In All extern ust is to such as and treat cleaned n ust shou	nplemen nal surfact be remove Shell EN ted with n with abrauld be treat	tation: tation: ces are to ved or trea SIS fluid o ust inhibito isive blast ated with a	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	·
which it b Policy In All exterr rust is to such as t and treat cleaned to ust shou ENSIS flu	nplemen nal surfact be remove Shell EN ted with n with abrauld be treat	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All extern rust is to such as to such as to such as to such as to such as to such as to such as to s	pelongs. nplemen nal surfac be remov Shell ENS ted with no with abra uld be trea uid or poly	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All exterr rust is to such as t and treat cleaned to ust shou ENSIS flu	pelongs. nplemen nal surfac be remov Shell ENS ted with no with abra uld be trea uid or poly	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All exterr rust is to such as t and treat cleaned to ust shou ENSIS flu	pelongs. nplemen nal surfac be remov Shell ENS ted with no with abra uld be trea uid or poly	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All exterr Tust is to Such as to Such as to Such as to Such as to Such as to S	pelongs. nplemen nal surfac be remov Shell ENS ted with no with abra uld be trea uid or poly	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All exterr Tust is to Such as to Such as to Such as to Such as to Such as to S	pelongs. nplemen nal surfac be remov Shell ENS ted with no with abra uld be trea uid or poly	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All exterr rust is to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to such as to s	pelongs. nplemen nal surfac be remov Shell ENS ted with no with abra uld be trea uid or poly	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All exterr Tust is to Such as to Such as to Such as to Such as to Such as to S	pelongs. nplemen nal surfac be remov Shell ENS ted with no with abra uld be trea uid or poly	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All exterr ust is to such as a and treat leaned to ust shou ENSIS flu	nplemen nal surfac be remov Shell ENS ted with n with abra uid be trea uid or poly ance Sch	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All extern tust is to such as 3 and treat cleaned to tust shou ENSIS flu Maintena	nplemen nal surfac be remov Shell ENS ted with n with abra uid be trea uid or poly ance Sch	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All extern rust is to such as 3 and treat cleaned to ust shou ENSIS flu Maintena	nplemen nal surfac be remov Shell ENS ted with n with abra uid be trea uid or poly ance Sch	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All extern rust is to such as 3 and treat cleaned to ust shou ENSIS flu Maintena	nplemen nal surfac be remov Shell ENS ted with n with abra uid be trea uid or poly ance Sch	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All extern rust is to such as to such as to and treat cleaned to rust shou ENSIS flu	nplemen nal surfac be remov Shell ENS ted with n with abra uid be trea uid or poly ance Sch	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant
which it b Policy In All extern rust is to such as 3 and treat cleaned to rust shou ENSIS flu Maintena	nplemen nal surfac be remov Shell ENS ted with n with abra uid be trea uid or poly ance Sch	tation: tation: ces are to ved or trea SIS fluid o ust inhibito sive blast ated with a ycrystalling	be clean ated. All or polycry or. They ing using an inhibite	ed and degre external surfa stalline wax. may then be i a limestone or and finally o	eased using ces are to All pipes a reconnecte or similar coated with	g appropriate met be treated with an are to be disconne d. A heavily ruste abrasive or steel	hods. All superficial appropriate sealant ected, cleaned, dried ed surface should be brushing. Remnant

EVEL EIGHT (

Item Name: The Bl	OTIVE WORKSHOPS MACHINERY CONSERVATION	1996
Name Plate:	acksmiths Forge	Item No. 90
Associated Items:		
Individual	0	
Assemblage		
Collection	Forges 27A-H, 44, 59, 87, 88, 90, 93, 97, 99	
System		
Operational Group		
	original 9 cast iron blacksmiths furnaces remain in Bay 2 South. The Forge	
the back plate and support cooled. Each forge is na cases, side panels have to volume, low pressure air i History: Originally the height of about 3-4 metre	turally vented through a vertical stack which passes through the roof of the v been added to the forges to contain the heat. The forges are all connected to lines which take air from the route blowers located at the south end of Bay 1 to forges were all connected to a low pitched sheet metal flue which ran the ler s above the ground. This flue can to two stocks which which are of the which the	e fire pan and hold lesign are all water vorkshop. In some o the sub-floor high o the forges. Ingth of the bay at a
not known where the forg priginally located outside i	479 WOLD HINDLE DUL IL IS DEBRYED THAT THAY WATA produced in the Evolution f	oundry which was
Function and Opera relatively small items to r blacksmiths or beneath th The forges all used coa controlled by a lever at the	ation: The forges were all used for heating red or white heat for forging by hand by the le four steam hammers still located in Bay 2. Location: Bay 2 South ation: or white heat for forging by hand by the le four steam hammers still located in Bay 2. Location: Day 2 South ation: or coke as fuel and the air supply was are rear of the forge. Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge. ation: day 2 South Image: Comparison of the forge.	11 East 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1
hoto: FILM N	lo. 95-169-2-22 Photographed and inspected Decemb	er 1995

1996

Item Na	i me: Blac	cksmith's F	Forge				item No. 90
Conditi		<u></u>					
In gener	ral, the ite	m appear	s to be in	operable con	dition provi	iding power source	es are connected and
the item	is cleane	d, service	d and tes	sted.			
The item	n exhibits	heavy rus	t in place	25			
	ance Ma		<u>p.uee</u>		State His	storical Themes:	
-	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic
Rare	53	X		X	Themes	13 Transport	
Repres-						15 Utilities	
entative	<u>ا</u> عا			X		16 Industry	
	-	-		e.,		18 Technology	
<u></u>						20 Government	Administration
Stateme	ent of Sig	nificance	1				
The item operation	n was an n for over	integral p 100 years	art of the s.	e Eveleigh Lo	comotive V	Norkshops being a	associated with their
The item	n is an ext	ended par	t of the s	steam system.			
Concor	vation Po	11		· · · · · · · · · · · · · · · · · ·			
	vation Po						
		-					
The item	n is to ret	ained in its	s present	t location and	be preserv	ved as part of the	furnace collection to
The item	n is to ret	ained in its	s present may rema	t location and ain in use.	be preserv	ved as part of the	furnace collection to
The item	n is to ret	ained in its	s present may rema	t location and ain in use.	be preserv	ved as part of the	furnace collection to
The item	n is to ret	ained in its	s present may rema	t location and ain in use.	be preserv	ved as part of the	furnace collection to
The item	n is to ret	ained in its	s present may rema	t location and ain in use.	be preser∖	ved as part of the	furnace collection to
The iterr which it I	n is to reta belongs.	ained in it: The item i	s present may rema	t location and ain in use.	be preser∖	ved as part of the	furnace collection to
The iterr which it I	n is to ret	ained in it: The item i	s present may rema	t location and ain in use.	be preser∖	ved as part of the	furnace collection to
The item which it I Policy Ir	n is to reta belongs. mplemen	ained in it: The item i tation:	may rem:	t location and ain in use.		ved as part of the	furnace collection to
The item which it I Policy Ir The item	n is to reta belongs. m plemen n is to rem	ained in it: The item i tation:	may rem:	ain in use.		ved as part of the	furnace collection to
The item which it I Policy Ir The item	n is to reta belongs. mplemen	ained in it: The item i tation:	may rem:	ain in use.		ved as part of the	furnace collection to
The item which it I Policy Ir The item	n is to reta belongs. m plemen n is to rem	ained in it: The item i tation:	may rem:	ain in use.		ved as part of the	furnace collection to
The item which it I Policy In The item Conserve	n is to reta belongs. m plemen n is to rem	tation:	may rem:	ain in use.		ved as part of the	furnace collection to
The item which it I Policy Ir The item Conserve Mainten	mis to reta belongs. mplemen n is to rem re in situ. ance Sch	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserve Mainten	mis to reta belongs. mplemen n is to rem re in situ. ance Sch	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserve Mainten	mis to reta belongs. mplemen n is to rem re in situ. ance Sch	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserve Mainten	mis to reta belongs. mplemen n is to rem re in situ. ance Sch	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserve Mainten	mis to reta belongs. mplemen n is to rem re in situ. ance Sch	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserv Mainten The item	n is to reta belongs. mplemen n is to rem re in situ. ance Sch n is to be i	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserve Mainten	n is to reta belongs. mplemen n is to rem re in situ. ance Sch n is to be i	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserv Mainten The item	n is to reta belongs. mplemen n is to rem re in situ. ance Sch n is to be i	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserv Mainten The item	n is to reta belongs. mplemen n is to rem re in situ. ance Sch n is to be i	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserv Mainten The item	n is to reta belongs. mplemen n is to rem re in situ. ance Sch n is to be i	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to
The item which it I Policy Ir The item Conserv Mainten The item	n is to reta belongs. mplemen n is to rem re in situ. ance Sch n is to be i	ained in it: The item i tation: nain in use	and be s	ain in use.	quired.		furnace collection to

1996

	Item Name: The All	en St	riker	Item No. 91
	Name Plate:			
	Associated Items:	_		
ν.	Individual			
	Assemblage	Ø	91	
	Collection			
	System		Compressed Air 91, 92, 94	
l	Operational Group		Strikers 91, 94, 139	
	Description: The A	llen S	Striker is a small example of the helve type, in that the ha	ammor is on the
		is pr	voted on a shaft. The power is applied on both the up a	and down otratio
1	and the force of the s	strike	is controlled by the operator through the foot pedal. The	lever or striker
	is of the wishbone sn	iape '	with the twin bars being attached to the shaft Specially	shaped dies are
	available for both the	STUR	er and for the anvil.	
	History: The Allen	Strike	ers are also known as Oliver Forges. It is believed that	t most of these
	survers were original	у юс	ated in the Oliver shop which is on the opposite side to the	e south road to
L	the workshops. This	рапи	ular striker was installed in the Workshops in 1906	0 00001110000 10
	Function and Opera	tion:	The Oliver or Allen Striker was Location: Bay 2 South	11 East
	the smallest of the p	ower	hammers used at Eveleigh. It	
	was rated at 2CWT	î wh	ich is about 100 kilos. The FF	
+	hammer was used for	or pro	oducing a wide variety of small	3
ſ	items used throughout	ut the	workshops in the New South	
	Wales Rail System.	Th	ere was an adjacent furnace	⁶ ₇
	where the metal wa	is he	ated and it was then formed	8
	beneath plain hamme	ers, f	atters, fullers or swages which	9
	were fitted to the jaw	and t	o the anvil.	11
				12 13
				14
				1 15
┢	Photo: FILM N			
			5-169-2-23 Photographed and inspected Decemb	er 1995
			and a start of the	
			TAN OF TALLA	
		ļ., ,		
L				
				•
L				

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

1996

Item Name: Allen Striker

Item No. 91

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.

Signific	cance Mat	trix			State Historical Themes:			
1 - - -	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic	
Rare	X	X			Themes	13 Transport 15 Utilities		
Repres- entative	X			X		 16 Industry 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 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.

Conservation Policy:

The item is to 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.

Policy Implementation:

The machine is to be stripped, all cylinders cleaned and dried, all bearings and glands repacked, all internal bare metal surfaces are to be dried and greased to prevent rust. All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. All operating surfaces exhibiting a normally bright finish should be suitably polished and coated with an appropriate sealant such as Shell ENSIS fluid or a polycrystalline wax.

Maintenance Schedule

Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section. Every 5 years internal surfaces should be inspected for rust. Any rust or oxidation product must be treated suitably by being removed and coated with an inhibitor and sealant.

Interpretation:

Itom Name: Erector				199	
Item Name: Frazing Name Plate:	and (Item No.	92
Associated Items:			· ·····	·	
Individual					
Assemblage		Electroppoursetie 2014/7 (courte	004 00 00		
Collection	Ø	Electropneumatic 2CWT (south) OZA, 98, 99		
System	L M	Frazing Wheels 33, 78, 82, 83,	02		
Operational Group	2	1 ruzing Wheels 35, 16, 62, 65,	92		
		and Grinding Wheel has a cas	tion had an which is		
which holds a frazing integrated into the ca shaft which is powere name plate information that the item has been History: The history the blacksmith's shop	whee st iror ed by a on on <u>n proc</u> of the had t	I on one end and a fifteen inch e of frame support the shaft. A dri a series of four V-belts by a one the item but it is believed that duced by the Workshop. item is unknown but it is likely t he steam hammer installed. The Frazing and Grinding	mery wheel on the other. ven wheel is located in the horsepower electric mot it was cast in the Eveleig	Two bear ne middle o or. There i gh Foundry that this pa	ings, f the s no and
Wheel is used for the	roug	h cleaning of items which have		II Last	1
been forged in the i consists of a series of the axis of the shaft. about 7mm are used it comes from the forg	Bay 2 harde The for the je.	2 North. The Frazing Wheel ened teeth which are parallel to se teeth which have a pitch of e rough shaping of hot steel as		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1	
Photo: FILM N	io . 95	5-169-2-24 Photographed	and inspected Decemb	er 1995	
			······································		
		REALES OBTAIN SUBFORE WIJS-BE W ESNUSTNOT B	ABLE MAN ORN 0 IO		
		· · · · · · · · · · · · · · · · · · ·			

Item No. 92

Condition:

In general, the item appears to be in operable condition providing power sources are connected and the item is cleaned, serviced and tested.

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

The painted surface of the item is deteriorating.

Item Name: Frazing and Grinding Wheel

Significance Matrix

1 -							
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic
Rare	X				Themes	13 Transport	
						15 Utilities	
Repres-	_	_	_			16 Industry	
entative	X	U		X		18 Technology	
						20 Government /	Administration

State Historical Themes:

Statement of Significance: The item was an integral part of the Eveleigh Locomotive Workshops being associated with their operation for over 60 years. The item is an integral part of the electropneumatic hammer assemblage. The item evidences the versatility of the workshops in the manufacture of tools and machines. The item exhibits a high degree of structural integrity.

Conservation Policy:

The item is to retained in its present location and be preserved as part of the 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.

Policy Implementation:

All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax.

A heavily rusted surface should be cleaned with abrasive blasting using a limestone or similar abrasive or steel brushing. Remnant rust should be treated with an inhibitor and finally coated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. Conserve in situ.

Maintenance Schedule

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

Interpretation:

Item Name: The Blacksn	niths Forge	· · · · · · · · · · · · · · · · · · ·	1996
Name Plate:			Item No. 93
Associated Items:			
I mathatal			
	Former 074 11 44 50 07 00		
	Forges 27A-H, 44, 59, 87, 88,	90, 93, 97, 99	
• –			
Operational Group			
the back plate and support the cooled. Each forge is naturally cases, side panels have been a volume, low pressure air lines w	al 9 cast iron blacksmiths furnaces remains the cast-iron fire pan. The rear legs end cast iron hood. The cast iron twears we vented through a vertical stack which p dded to the forges to contain the heat. which take air from the route blowers locat	extend about 800mm beyond the which are of the side-heating do basses through the roof of the w The forges are all connected to ated at the south end of Bay 1 to	e fire pan and hold lesign are all water vorkshop. In some o the sub-floor high o the forges.
megne of about 3-4 metres abov	were all connected to a low pitched sh re the ground. To this flue was supplied forges were made but it is believed t side Bay 4.	d two stacks which personal these	
Function and Operation:	The former literation		
relatively small items to red or	The forges were all used for heating white heat for forging by hand by the	Location: Bay 2 South	12 East
blacksmiths or beneath the e	lectro-pneumatic hammers or Oliver	·	2
Strikers. The forges all used or	oal or coke as fuel and the air supply		3
was controlled by a lever at the r	ear of the forge.		5
			⁶ 7
			8
			9 10
			11
			13
		 - - - - - - - -------------	14
Photo: FILM No. 9	- 400.0 07	4A 4 3 2	1
Photo: FILM No. 9	5-169-2-25 Photographed	and inspected Decemb	er 1995

		cksmith's				CONSERVATION	1996 Item No. 93
Conditi	on:						
In gener	ral, the ite	m appear	s to be in	operable con	dition provi	ding power sources are	e connected and
the item	is cleane	d, service	d and tes	ted.			
The iten	n exhibits	heavy rus	t in place	S			
Signific	ance Mai Historical	trix Aesthetic	Social	Technology/ Research	State His Category	storical Themes:	Industrial Relic
Rare	X	X		Potential	Themes	13 Transport 15 Utilities	
Repres- entative	X			×		 16 Industry 16 Industry 18 Technology 20 Government Administration 	
Stateme	nt of Sig	nificance					
The item	n was an		art of the	Eveleigh Loo	comotive V	Vorkshops being assoc	ciated with their
The item	is an ext	ended par	t of the st	eam system.			
Conserv	ation Po						. <u> </u>
	is to reta	•	present	location and t	be preserve	ed as part of the furnad	ce collection, to
Policy In	nplemen	tation:	,,,,,,,		··		
ust is to such as a and treat cleaned s ust shou	be remove Shell ENS ed with ru with abra Ild be treat	ved or trea SIS fluid o ust inhibito sive blasti ated with a	ited. All e r polycrys r. They r ing using an inhibito	external surfaces stalline wax. may then be r a limestone	ces are to l All pipes a econnecte or similar a coated with	appropriate methods. be treated with an appr re to be disconnected, d. A heavily rusted sur abrasive or steel brush an appropriate sealan	opriate sealant cleaned, dried face should be ing Remnant
	ance Sch	edule					
laintena							
laintena							
laintena							
laintena	·						
laintena	·			• •			
/laintena nterpret	ation:						
	ation:						
	ation:						

tem Name: The	Allen Striker		996
······		Item No	. 94
Name Plate:			
Associated Item	S:		
ndividual			
Assemblage			
Collection	□ Strikers 91, 94, 139		
System	Compressed Air 91, 92, 94		
Operational Grou			
Description: The	Allen Striker is a small hearth of the helve type, in that the ham	mer is on th	e en
	Provide on a shall. The power is applied on both the up and do	ND atraka a	سالة أسره
orce of the suike	is colliplied by the operator through the foot pedal. The lower of	an otellion in	- # 11-
visitione shape	with the twin bars being attached to the shaft. Especially the striker and for the anvil.	shaped die	s ar
	ale striker and for the anvil.		
listory: The All	en Strikers are also known as Oliver Forges. It is believed th		
orges were origin	ally located in the Oliver shop which was on the opposite side to	at most of	thes
ne workshops. T	his particular striker was installed in the Workshops in 1916.	the south ro	bad t
unction and Op	eration: The Oliver or Allen Striker was Location: Bay 2 Sour	th 11 East	
ne smallest of the	e power hammers used at Eveleigh. It i	1	
as rated at 2cwt	which is about 100 kilos. The hammer	2	
as used for prod	ucing a wide variety of small items used		
roughout the wo	orkshops in the New South Wales Rail	5	
ystem. There wa	as an adjacent furnace where the metal:	7	
as neated and	it was then formed beneath plain	8	
ammers, natters,	fullers or swages which were fitted to	1	D
e jaw and to the		X 1	
			-
		1	
hoto: FILI	M No. 95-169-2-26 Photographed and inspected Decem	2 1	_
	r notographed and inspected Decem	Der 1995	
		•	
		÷	
	and the second se	•	
4			
			·
tota and			

1996

Item Name: Allen Striker 1899

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.

- A.Aume	ance Mat	trix			State Historical Themes:		
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic
Rare	X	X		X	Themes	13 Transport 15 Utilities	
Repres- entative	R	۵		X		 16 Industry 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 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.

Conservation Policy:

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.

Policy Implementation:

The machine is to be stripped, all cylinders cleaned and dried, all bearings and glands repacked, all internal bare metal surfaces are to be dried and greased to prevent rust. All external surfaces are to be cleaned and degreased using appropriate methods. All superficial rust is to be removed or treated. All external surfaces are to be treated with an appropriate sealant such as Shell ENSIS fluid or polycrystalline wax. All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. All operating surfaces exhibiting a normally bright finish should be suitably polished and coated with an appropriate sealant such as Shell ENSIS fluid or a polycrystalline wax.

Maintenance Schedule

Inspect all external surfaces for rust every 12 months. Where necessary, coat as recommended in the implementation section. Every 5 years internal surfaces should be inspected for rust. Any rust or oxidation product must be treated suitably by being removed and coated with an inhibitor and sealant.

Interpretation:

Item Name: Small Furnace	Item No. 95
Name Plate:	
Associated Items:	<u></u>
Individual Assemblage I Allen Striker 82, 91, 94, 95	
Assemblage 2 Allen Striker 82, 91, 94, 95	
Collection 2 Furnaces 47, 48, 53, 56, 59, 79, 86, 95, 97, 99, 106	6, 110, 111, 129,
System	
Operational Group D	
Description: This small gas-fired furnace consists of a sheet metal and plate frame based and plate frame base	me 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	y 70mm.
History: The history of the item is unknown but it is believed to have been man. World War II.	ufactured prior to
Function and Operation: The furnace was used for Location: Bay 2 Sout	h 13 East
heating small articles which were worked either by hand or by Allen Striker.	
	3
	5
	67
	8
	11
	13
-┽╌┥┥	
4A 4 3	2 1
Photo: FILM No. 95-169-2-27 Photographed and inspected Decem	ber 1995
	······································
	· · · ·

1996

Conditi connect							Item No. 95
connect	on: In ge	eneral, the	item ap	pears to be in	operable	condition providing po	wer sources are
	ed and th	e item is c	leaned, s	serviced and t	ested. The	e item will need some i	renair. The item
	heavy ru	st in place	s. The c	ondition of the	e power so	urce is unknown and th	ne power source
nas proi	Dably bee	n disconne	ected.				
Signific	ance Ma				State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	Industrial Relic
Rare					Themes	13 Transport	
Bamma						15 Utilities	
Repres- entative	×			×		16 Industry	
CILLAUVE						18 Technology	
						20 Government Admi	nistration
Stateme	ent of Sig	nificance		<u> </u>	L		
The iten	n was an	integral p	art of the	e Eveleigh Loo	comotive V	Vorkshops being asso	ciated with their
operatio	n for over	30 years.	The iter	n is an integra	I part of the	e hydraulic press asser	nblage.
							-
Conser	vation Po	licy:					
		•					
The item Striker a	n is to ret issemblag	ained in it ie and furn	s presen ace colle	t location and ection to which	be preser it belongs	ved and retained as p	part of the Allen
The iter	n is to l	be preser	ved bv	beina cleane	d. service	d and maintained ac	cording to the
impleme	ntation ar	nd mainten	ance sch	nedules given	below.		isonaling to the f
				Ū.			1
Policy Ir	nplemen	tation:				· · · · · · · · · · · · · · · · · · ·	
	nplemen			<u>, </u>			
All exter	nal surfac	es are to	be clear	ed and degre	ased using	g appropriate methods	All superficial
All extern rust is to	nal surfac	es are to ved or trea	ited. All	external surface	ces are to	g appropriate methods be treated with an app	All superficial ropriate sealant
All exter rust is to	nal surfac	es are to ved or trea	ited. All	ed and degre external surfac talline wax. C	ces are to	be treated with an app	All superficial ropriate sealant
All exter rust is to	nal surfac	es are to ved or trea	ited. All	external surface	ces are to	be treated with an app	All superficial ropriate sealant
All exter rust is to such as	nal surfac be remo Shell ENS	es are to ved or trea SIS fluid or	ited. All	external surface	ces are to	be treated with an app	. All superficial ropriate sealant
All extern rust is to such as	nal surfac	es are to ved or trea SIS fluid or	ited. All	external surface	ces are to	be treated with an app	All superficial ropriate sealant
All extern rust is to such as Mainten	nal surfac be remo Shell ENS ance Sch	es are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a	nal surfac be remo Shell ENS ance Sch all externa	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app	ropriate sealant
All extern rust is to such as Mainten Inspect a	nal surfac be remo Shell ENS ance Sch	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a	nal surfac be remo Shell ENS ance Sch all externa	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a	nal surfac be remo Shell ENS ance Sch all externa	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a	nal surfac be remo Shell ENS ance Sch all externa	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a implemen	nal surface be remove Shell ENS ance Sch all externa ntation se	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a implemen	nal surface be remove Shell ENS ance Sch all externa ntation se	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a impleme	nal surface be remove Shell ENS ance Sch all externa ntation se	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a	nal surface be remove Shell ENS ance Sch all externa ntation se	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a implemen	nal surface be remove Shell ENS ance Sch all externa ntation se	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant
All extern rust is to such as Mainten Inspect a implemen	nal surface be remove Shell ENS ance Sch all externa ntation se	tes are to ved or trea SIS fluid or redule	ited. All polycrys	external surfaction surfaction to the surfaction of the surfaction	ces are to conserve in	be treated with an app situ.	ropriate sealant

	Item No.	96
Name Plate:		<u> </u>
Associated Items:		
Individual 🔲		
Assemblage 🛛 🗹 Electropneumatic 2cwt (north) 9	5-97 1024 02	
Collection	0 01, 102A, 32.	
System 🖸		
Operational Group		
Description: The 2CWT electro-pneumatic hammer is a s	maller version of the hammore in D	
a simple	C Soction with the state	
and any to the axis of the machines the nowler for the m	achina ia produced by an all is	
Poraling an all compression cylinder bening the main cylin	dor of the hommon. The last the state	
the the lorde of the blow is controlled by a toot-ring which	is operated by the blacksmith. In	thi
case the hammer requires a single operator.		
listory: The item was installed in 1028 and has seen to		
listory: The item was installed in 1938 and has remained i	n this location since then.	
unction and Operation: The electro-pneumatic	Location: Bay 2 South 13 East	
ammer has the advantage over the small Oliver in that	Location: Bay 2 South 13 East	
he blows are delivered perpendicular to the work Again		
he nammer may be used with swages, fullers and flatters	3	
Dies may also be fitted to both the ram and the anvil.		
	6 7	
	8	
· · · · · · · · · · · · · · · · · · ·		
	15	
	4A 4 3 2 1	
hoto: FILM No. 95-169-2-28 Photographed a	and inspected December 1995	

Item N	ame: Mas	ssey 2CW	Γ Pneum	atic Hammer			Item No. 96
Condition:							
The ite	m is in goo	od/excellen	nt operati	ng condition.			
				-			
Signifi	cance Ma	trix			State His	storical Themes:	
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	C Moveable Item	Industrial Relic
Rare					Themes	13 Transport 15 Utilities	
Repres-	_		_	_		16 Industry	
entative	X		X	×		18 Technology	
						20 Government Adm	ninistration
Statem	ent of Sig	Inificance			A		
		integral p 50 years.	art of the	e Eveleigh Lo	comotive V	Vorkshops being asso	ociated with their
The iter	m is an inte	egral part o	of the ele	ctro-pneumati	c assembl	age.	
The iter	m and its o	operation is	s easy to	interpret from	its existing	g fabric.	
The iter	m exhibits	a high deg	ree of st	ructural integr	ity.		
Conser	vation Po	olicy:					l,
The iter	n is to ren	nain operat	tional.				1
Dellera							
Policy	Implemen	itation:					
The iter	n is to ren	nain operat	tional.				
Conser	ve in situ.						
Mainte	nance Scl	nedule					
Inspect	for physic	al damage	and det	erioration ever	y 12 montl	hs and implement repa	air as necessary.
Interpr	etation:	-				···· ··· · · ·	
							ļ
							1

1996	
------	--

Vorkshops has a steel sheet and pla bunter-weighted door, it is gas-fired ar kers.
Vorkshops has a steel sheet and pla ounter-weighted door, it is gas-fired ar kers. Location: Bay 2 South 13 East
Vorkshops has a steel sheet and pla ounter-weighted door, it is gas-fired ar kers. Location: Bay 2 South 13 East
Vorkshops has a steel sheet and pla ounter-weighted door, it is gas-fired ar kers. Location: Bay 2 South 13 East
Vorkshops has a steel sheet and pla ounter-weighted door, it is gas-fired ar kers. Location: Bay 2 South 13 East
Vorkshops has a steel sheet and pla ounter-weighted door, it is gas-fired ar kers. Location: Bay 2 South 13 East
Location: Bay 2 South 13 East
Location: Bay 2 South 13 East
Location: Bay 2 South 13 East
Location: Bay 2 South 13 East
Location: Bay 2 South 13 East
5
6 ₇
8
9 10
4A 4 3 2 1 15
4A 4 3 2 1
and inspected December 1995
-
21
(10 B).

1996

Item Name: Furnace Item No. 97								
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 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 prol	heavy ru	n disconne	s. The c	condition of the	e power so	urce is unknown and th	ne power source	
Signific	ance Mat	t rix Aesthetic	Social	Technology	State His	storical Themes:		
	instorioar	Aestienc	SOCIAI	Technology/ Research Potential	Category	Moveable Item	Industrial Relic	
Rare					Themes	13 Transport		
Repres-						15 Utilities		
entative	X			×		16 Industry		
					1	18 Technology		
Statema					[20 Government Admin		
	-	nificance						
The iten associat assembl	ed with th	n integral leir operati	part of t on for ov	the Eveleigh ver 30 years.	Locomotive The item is	e Workshops believed s an integral part of the	to have been hydraulic press	
Conserv	ation Po	licy:		<u></u>				
The item assembl	n is to ret y and furr	ained in its nace collec	s presen tion syst	t location and em to which it	be preser belongs.	ved and retained as p	art of the forge	
The iter impleme	n is to l ntation ar	be presen nd mainten	ved by ance sch	being cleane nedules given	d, service below.	d and maintained ac	cording to the	
Policy Ir	nplemen	tation:						
rust is to	be remo	ved or trea	ted. All	ed and degre external surfa talline wax.	eased using ces are to	g appropriate methods. be treated with an app	All superficial ropriate sealant	
All pipes are to be disconnected, cleaned, dried and treated with rust inhibitor. They may then be reconnected. Conserve in situ.								
Maintenance Schedule								
Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.								
Interpretation:								
I,								

.

Name Plate: Associated Items: Individual Assemblage Electropneumatic 2CWT (south) 62A, 98, 99 Collection System Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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. Function and Operation: The electro-pneumatic in this location since then. Function and Operation: The electro-pneumatic hammer in the blows are delivered perpendicular to the work. Again, he 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 14 East Image: Addition of the low of the ram and the anvil. Image: Addition of the addit addition of the addition of the addit additi	Assemblage Collection System Operational Group Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a seeing set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the 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.	CONSERVATION	199	6
Associated Items: Individual Assemblage Electropneumatic 2CWT (south) 62A, 98, 99 Collection System Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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 he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. Dies may also be fitted to both the ram and the anvil.	Associated Items: Individual Assemblage Collection System Operational Group Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a seeing set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in 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.	r	Item No.	98
Individual Assemblage Electropneumatic 2CWT (south) 62A, 98, 99 Collection Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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 may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. Location: Bay 2 South 14 East	Individual Assemblage Collection System Operational Group Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a se being set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the 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.		<u> </u>	
Assemblage Electropneumatic 2CWT (south) 62A, 98, 99 Collection Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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 he 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 14 East 4A + 3 = 2 = 1	Assemblage Collection System Operational Group Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a seing set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the function and Operation: The electro-pneumatic hammer is 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.			
Assemblage Electropneumatic 2CWT (south) 62A, 98, 99 Collection Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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 he 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 14 East 44 4 3 2 1 15	Assemblage Collection System Operational Group Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a seeing set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the 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.			
Collection System Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The electric motor operating an air compression cylinder behind the main cylinder of the hammer. The electric motor operating an air compression cylinder behind the main cylinder of the hammer. The electric motor operating an air compression cylinder behind the main cylinder of the hammer. The blows 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. Function and Operation: The electro-pneumatic hammer has the advantage over the small Oliver in that he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil.	Collection System Operational Group Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a significant is being set obliquely to the access of the machines. The power electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in 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.	24 98 99		
Operational GroupImage: ConstructionDescription: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 peing 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 ength of blow and the force of the blow is controlled by a foot-ring which is operated by the oblacksmith. 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 he electro-pneumatic he 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 14 East $\frac{12}{34}$ $\frac{13}{15}$ $\frac{12}{44}$ $\frac{1}{3}$ $\frac{1}{15}$	Operational Group Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a s being set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the 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.	inn, 50, 55		
Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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 he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. 4 4 4 4 4 4 4 4	Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a s being set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the 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.			
Description: The 2CWT weight electro-pneumatic hammer is a smaller version of the hammer in Bay 1 South. The construction is basically in cast iron in a simple C-Section with the slide path being set obliquely to the access of the machines. The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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 he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. 4 4 4 4 4 4 4 4	Description: The 2CWT weight electro-pneumatic hammer is Bay 1 South. The construction is basically in cast iron in a s being set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the 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.			
bay i 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 ength 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 he blows are delivered perpendicular to the work. Again, he 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 14 East 4A + 3 = 2 1	Bay 1 South. The construction is basically in cast iron in a s being set obliquely to the access of the machines. The powe electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the 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.	is a smaller version of	the home	
The power for the machine is produced by an electric motor operating an air compression cylinder behind the main cylinder of the hammer. The ength 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 nammer has the advantage over the small Oliver in that he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. 4A + 4 = 3 = 2 1	electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the Function and Operation: The electro-pneumatic Lo 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.	a simple C-Section with	the slide i	aath
The ength 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 he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. 4A + 3 = 2 1	electric motor operating an air compression cylinder behind the length of blow and the force of the blow is controlled by a blacksmith. In this case the hammer requires a single operator History: The item was installed in 1938 and has remained in the Function and Operation: The electro-pneumatic Lo 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.	ver for the machine is r	produced by	(20
engin 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 he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. 4A + 3 = 2 1	History: The item was installed in 1938 and has remained in 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.	the main cylinder of the	hammer	The
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 he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. Dies may also be fitted to both the ram and the anvil. 4A + 3 = 2	History: The item was installed in 1938 and has remained in the Function and Operation: The electro-pneumatic Lo 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.	a foot-ring which is or	perated by	the
Function and Operation: The electro-pneumatic nammer has the advantage over the small Oliver in that he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. Dies may also be fitted to both the ram and the anvil. $4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 12 \\ 12 \\ 12 \\ 12 \\ 12$	Function and Operation: The electro-pneumatic Lo 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.	or.	····,	
Function and Operation: The electro-pneumatic nammer has the advantage over the small Oliver in that he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. Dies may also be fitted to both the ram and the anvil. $4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 12 \\ 12 \\ 12 \\ 12 \\ 12$	Function and Operation: The electro-pneumatic Lo 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.	this leasting since they		
hammer has the advantage over the small Oliver in that he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. 4 4 4 4 4 4 4 4 4 3 2 1 1 2 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 12 3 4 5 6 7 8 9 10 11 12 12 12 13 14 15 16 16 16 16 16 16 16 16	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.		•	
he blows are delivered perpendicular to the work. Again, he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil.	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.	ocation: Bay 2 South	14 East	<u>-</u>
he hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil. 4 4 4 4 4 4 4 4 4 4	the hammer may be used with swages, fullers and flatters. Dies may also be fitted to both the ram and the anvil.		1	
Dies may also be fitted to both the ram and the anvil. 4A 4 3 2 $14A$ 4 3 2 $14A$ 4 3 2 1	Dies may also be fitted to both the ram and the anvil.		2	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		 	4	
8 9 10 11 12 13 14 15	Photo: FILM No. 95-169-2-30 Photographed and		6	
9 10 11 12 13 14 4A 4 3 2 1 4A 4 3 2 1	Photo: FILM No. 95-169-2-30 Photographed and			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Photo: FILM No. 95-169-2-30 Photographed and		and the second se	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Photo: FILM No. 95-169-2-30 Photographed and			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Photo: FILM No. 95-169-2-30 Photographed and		12	
4A 4 3 2 1	Photo: FILM No. 95-169-2-30 Photographed and			
Photo: FILM No. 95-169-2-30 Photographed and inspected December 1995	Photo: FILM No. 95-169-2-30 Photographed and	4A 4 3 2	1 15	
		nd inspected Decemb	or 1005	
		id mspected December		
			ŧ,	
		۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲. ۲		1
		et la Bi	n an	
		A A A A A A A A A A A A A A A A A A A	12	
			7. 	
		J.t.		
the second s		· · · · · · · · · · · · · · · · · · ·		
		A CONTRACT		

				atic Hammer				tem No. 98
Conditio	on:						L	
The item	ı is in good	l/exceller	nt operati	ng condition.				
			•	0				
Signific	ance Matr	ix			State His	storical Themes:		
	Historical	Aesthetic	Social	Technology/ Research Potential	Category	Moveable Item	🖬 Ir	dustrial Relic
Rare					Themes	13 Transport		
Repres-						15 Utilities		
entative	×			x		16 Industry		
						18 Technology		
						20 Government A	dmini	stration
	nt of Sign							
The item operation	was an ir for over 5	ntegral p 50 years.	art of the	e Eveleigh Loo	comotive V	Vorkshops being as	ssocia	ited with thei
The item	is an integ	gral part o	of the ele	ctro-pneumati	c assembla	age.		
The item	and its op	eration is	easy to	interpret from	its existing	fabric.		
				uctural integri				
		000	,					
Conserva	ation Poli	cy:	<u></u>					····
	is to remai	•	ional					
		in operat	ional.					
Policy Im	plementa	tion:		<u></u>	<u></u>			· · · · · · · · · · · · · · · · · · ·
The item	is to remai	in operat	ional.					
Conserve	in situ.							
			·					
Maintena	nce Sche	dule			·			
		-	• • •					
inspect to	r physical	aamage	and dete	rioration every	12 month	s and implement re	pair a	s necessary.
nterpreta	ation:					· · · · · · · · · · · · · · · · · · ·		

Item Name: Furnace		1990	
		Item No. 9	1 9
Name Plate:		<u> </u>	
Associated Items:			
Assemblage Ø Electropneumatic 2CWT (south	ו) 62A, 98, 99		
Collection 🛛 Forges 27A-H, 44, 59, 87, 88,	90, 93, 97, 99		
System			
Operational Group			
Description: This small furnace which was built in the W	orkshops is a steel sheet a	and plate fra	m
standing on angled section legs. It is gas-fired and used hammers and Allen Strikers. The former door which was o	In conjunction with the al-		
History: Its history is unknown.			
Function and Operation: A simple gas-fired furnace.	Location: Bay 2 South	14 West	
	2		
		2	
		5	
		6 7	
		8	
		⁹ 10	
		11	
		12	
	│	14 15	
	4A 4 3 2	1	
Photo: FILM No. 95-169-2-31 Photographed	and inspected Decembe	er 1995	
	I S I G AM		

Item Nar	me: Furr	nace		· · · · · · · · · · · · · · · · · · ·			Item No. 99	
Condition: 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.								
Signific	anco Ma	triv			State His	torical Themes		
Significance Matrix Historical Aesthetic Social Technology/ Research Potential Category D Moveable Item D Industrial Relic								
Rare					Themes	13 Transport 15 Utilities		
Repres- entative	<u>92</u>			X	2	16 Industry 18 Technology		
						20 Government /	Administration	
The item	n was an n for ov						ssociated with their pneumatic hammer	
Conserv	vation Po	olicy:				0 000 0 000 0 000 0 000 0 000 0 000 0 000 0		
			•	t location and em to which it	,	ved and retained a	as part of the forge	
	The item is to be preserved by being cleaned, serviced and maintained according to the implementation and maintenance schedules given below.							
Policy Ir	mplemer	ntation:					u	
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.								
		bb - 1 -						
Mainten	ance Sc	neaule						
Inspect all external surfaces for rust every 5 years. Where necessary, treat as recommended in the implementation section.								
Interpretation:								