

ATP S170 Register

Bay 4

152	Craven Brothers Spring Disassembler	4N 9W
156	Hydraulic Press and Spring Tester	4N 11W
158	Fielding & Platt Spring Buckling Press	4N 11C
160	Rice & Co. Hydraulic Spring Buckling Press	4N 12W
180	6' plate rollers	4N 15E
196	Arrol Overhead Travelling Crane L6	4S 1C
197	Craven Overhead Travelling Crane L5	4N 9C
492	Smith & Coventry Spring Coiler 1	4N 11C
493	Smith & Coventry Spring Coiler 2	4N 11C

Total number of items: 9

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Name plate: 'CRAVEN BROTHERS / 16 TONS / 1884' (oval plate, S). 'L.5 LOAD NOT TO EXCEED. 16.TONS' (plate, S). 'CRAVEN BROS LTD / LOAD 16 TONS // 1914' (on hoist).

Cast-iron riveted twin-beam overhead travelling crane with a timber platform carriage spanning Bay 4. It has an upper carriage to hold the cable and motor for the hoist. Power cables (now disconnected from the power supply) run along the western beam. The crane is 3.8m wide.

Significance:

This Craven Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the



Name plate: 'SMITH & COVENTRY Ltd / MANCHESTER No. [no number]'.

NSWG inventory ID: 'No. 972 / NSWGR / Class L'.

Small belt-driven lathe with six gears converted to a spring coiler to wind light springs. It measures 135cm (L) x 75cm (W) x 130cm (H). The working bed is 75cm long.

Significance:

This spring coiler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and is one of two coilers adapted from a Smith & Coventry lathe. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.



Name plate: NSWG / CRAVEN BROS. / MANCHESTER.

NSWG inventory ID: 651 / NSWGR / Class SP.

Large cast-iron triangular base with hydraulic ram and tension loading. A grill screen is riveted to the north side. It measures 230cm (L) x 230cm (W) x 90cm (H; 140cm H to top of screen).

Significance:

This Spring Disassembler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the workshops when they opened in 1887 and one of the important elements of the Spring Shop assemblage. It was manufactured by English engineers Craven Brothers who supplied many important machines to the workshops in the first decades of the workshop's operation. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.



Name plate: 'SMITH & COVENTRY Ltd / MANCHESTER 11920 // COOPER'S PATENT'.

NSWG inventory ID: 'No. 333 / NSWGR / Class LT' // 'NSWG'.

Small belt-driven lathe with eight gears converted to a spring coiler to wind light springs. It measures 160cm (L) x 110cm (W) x 125cm (H). The working bed is 90cm long.

Significance:

This spring coiler is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and is one of two coilers adapted from a Smith & Coventry lathe. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.

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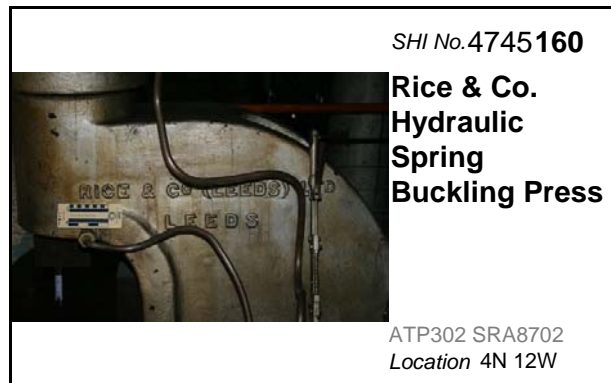
Name plate: TWEDDELLS / SYSTEM / FIELDING & PLATT CO / GLOUCESTER / ENGLAND.

NSWG inventory ID: 'No. 650 / NSWGR / Class [P]'.
'DO NOT SCRAP / PROP. OF / NATIONAL TRUST'.

This spring buckling press comprises a C-arch body with bracketed heads driven by vertical and horizontal hydraulic rams which allowed the assembling of the springs and the forcing of the collars or buckles on to the coupled springs. A support table is adhered to the north side. It measures 210cm (L) x 170cm (W) x 210cm (H).

Significance:

The Fielding & Platt Spring Buckling Press is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and



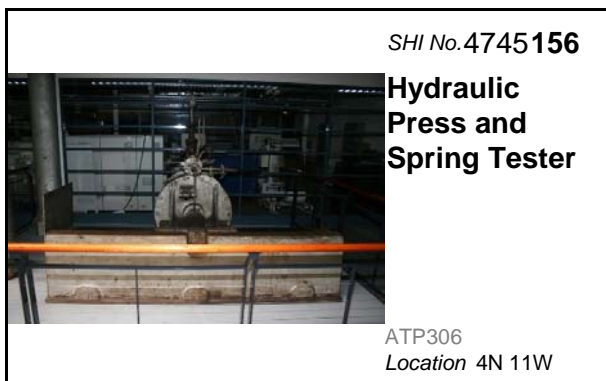
Name plate: 'RICE & CO (LEEDS) LTD / LEEDS'.

NSWG inventory ID: 'No. 655 / NSWGR / Class SP'.

This specialist hydraulic spring buckling press was used for the buckling or the placing of collars on leaf springs. Like the Tweddells press (item no. 4745158) it has been modified to allow the removal of collars or buckles. The machine consists of several hydraulic rams which allow the assembling of the springs and the forcing of the collars or buckles on to the coupled springs. The operation of the item was through the manipulation of hydraulic valves which admitted high pressure water from the hydraulic system into the rams which brought pressure to bear on the springs and buckles as appropriate. The press measures 2.9cm (L) x 2.2cm (W) x 150cm (H).

Significance:

This item is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many



NSWG inventory ID: 'NSWTD / PH-816 / SO [blank] // 'No. 816 / NSWGR / Class PH'.

This small press has been adapted by the workshops from a true press to a spring testing machine. It consists of a massive, cast-iron holding bed and a large high-pressure cylinder and ram which faces the testing bed, along with associated pipe work and guards. It measures 280cm (L) x 200cm (W) x 210cm (H: to the top of the pipe work).

Significance:

This press and spring tester is one of the component machines of the Eveleigh Railway Workshops Machinery Collection. It is primarily significant as one of the few surviving machines installed in the Spring Shop in the early 20th century and like many others was specially modified for the manipulation of railway springs. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.



Name plate: '11858 / MW'.

NSWG inventory ID: 'No. 782 / NSWGR / Class RH'.

This set of plate rollers measuring 310cm (L) x 80cm (W) x 160cm (H) have an effective length of 6 feet or 1.8 metres. The rollers are adjusted manually at either end and were used for rolling boiler plate up to about 3/8 inch thickness. By adjusting the height of the top roller, the diameter of the sheet or plate being put through the rollers can be altered. A stand-alone electric motor is attached.

Significance:

These plate rollers are one of the component machines of the Eveleigh Railway Workshops Machinery Collection. They are primarily significant as one of the few surviving machines installed in the workshops in 1890s. They demonstrate the operation of the Workshops in the production of locomotives and locomotive components. They are important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops site.



Name plate: 'SIR WILLIAM ARROL AND CO. LTD / PARKHEAD GLASGOW / ORDER 913 LOAD 25 TONS 1916'. 'L6' (on cabin).

Cast-iron riveted twin-beam overhead travelling crane with a 25-ton rating spanning Bay 4. It is a composite lattice and plate girder beam crane which is electrically powered and is driven from an operators cabin slung beneath the beam. It is 4.4m wide.

Significance:

This Arrol Overhead Travelling Crane is one of the component machines of the Eveleigh Railway Workshops Machinery Collection and one of 12 steam- and electric-powered overhead travelling cranes surviving in situ in the Locomotive Workshops building. It is primarily significant as an early example of the first electric cranes installed in the workshops in the early 20th century. It demonstrates the operation of the Workshops in the production of locomotives and locomotive components. The item is important to the understanding and interpretation of the overall Eveleigh Locomotive Workshops