

### **Bow Drawings List**

**Description:** The collection consists of 809 drawings, representing a small sample of the original output from the Bow Road Works drawing office.

**System of Arrangement:** The original order of the collection is not known but has been based on internal evidence of an alphanumerical sequence of drawing identifiers. This classification is derived from Miscellaneous drawing 03, one of the items in the collection (please note that part of the drawing is missing so the scheme below may not be comprehensive). Where drawings from the collection do not show evidence of any such identifier they have been listed in a separate table of miscellaneous and un-numbered drawings.

A General Arrangements of Locos N.L.R.

B Boiler Arrangements N.L.R. & Foreign.

C Boiler Details.

D Motion Arrangements and Details.

E Brake Arrangements and Details.

F Springs and Sprung Gear.

G Frames, Framing Details, Footplating and Footsteps.

H Splashers, Sand-boxes and Gear, Tool-boxes and Details.

J Wheels, Tyres, Crank Pins, Axles, Axle-boxes and Hornblocks.

K Tanks, Cabs, Coal-boxes, Cover-plates and Chimneys,.

L Injectors, Lubricators, Regulators, Cocks and Loco Brass Work.

M Cylinders, Slide Valves, and Blast Pipes.

N Foreign Locomotive Details.

O Foreign Locomotive Arrangements.

P Failures, Diagrams, and Lists.

Q Loco Details, Miscellaneous, All Classes.

R Bogies and Radial Trucks, Loco, N.L.R. and Foreign.

S Fixtures, Fittings, Building Tools, Mortar Mills &c.

T Shop Appliances, Hand Tools, Blocks, Hydc Presses, Templates, Gauges &c.

U Mill Work.

V Cutters, Wood and metal, Milling, Drilling, Rose-bits, Reamers, Punches, Taps &c.

W Metal Cutting Machine Details.

X Metal Cutting Machine Arrangements.

Y Wood Working Machine Details and Arrangements.

Z Crane Arrangements, Hand, Steam and Power.  
AK Crane Details, Hand, Power and Steam.  
BK Hammers, Steam and Others, Hammer Blocks, and Stamping Tools  
CK Carriage and Brake Van Arrangements.  
DK Carriage and Brake Van Details.  
EK Carriage and Brake Van Details.  
FK Wagon and Truck Arrangements.  
GK Wagon and Truck Details.  
HK Foreign Carriage, Wagon and Brake Van Details and Arrangements.  
JK Shop Trucks, Trolleys, and Barrows, Arrangements and Details.  
KK Permanent Way, Tramways, Loading Gauges, Turntables, Weigh Bridges, Gradients.  
LK Furnaces, Foundry, Blowers, &c.  
MK Hydraulic Machinery.  
NK Wells, Water Tanks, Softening Apparatus, Water Cranes, Valves, Pipes and Fire Appliances  
OK Stationary Boilers, Feed Heaters, &c.  
PK Stationary Engines, Pumps, &c. Air Compressors and Apparatus.  
QK Gasholders, Lamps, Meters, Fittings &c.  
RK Plans, various.  
SK Building Arrangements.  
TK Building Details.  
UK Roofs, Girders &c. Arrangements and Details  
VK Testin[g Machines, Specimens and Appliances.]  
AY Hydraulic Cranes and Hoists.

Many of the drawings in this collection bear identical numbers but may be of completely different subjects or variants on components of a main drawing of the same number. It is therefore important to be precise when requesting drawings. When requesting access to or copies from drawings, please provide the following information: Prefix, Number, Suffix (if there is one), date, title and box number

Classes of Locomotives

#### Classes of Locomotives

Outsides - 1-10 class outside cylinder 4-4-0T

Goods - Outside cylinder 0-6-0T

Insides - Classes 43 and 51 inside cylinder 4-4-0T

Passenger - Covers both inside and outside cylinder 4-4-0T locomotives

Standard - Standard passenger locomotives as above

Steam Crane 29a - Steam crane

Terms in square brackets indicate that the drawing is not explicitly marked as such, but that the class indicated has been inferred from the drawing. Other terms should be self-explanatory.

#### Material

MP - Cartridge Paper drawing, usually but not always mounted on a linen backing

Wax Linen - Copy drawing on wax linen

BP - Blue print

Date are given the same format (day/ month/ year) regardless of the varied format used on actual drawings.

**Physical Characteristics:** The majority of drawings are wax linen copies. There are also a large number of drawings on cartridge paper, most of which have been mounted on linen backing and are coloured. These are indicated in the catalogue as 'MP' and may not be copied using scanning or photocopying techniques. They are boxed separately from the wax linen drawings.

**Administrative History:** The North London Railway (NLR) originated in 1846 when it was first incorporated as 'The East and West India Docks and Birmingham Junction Railway', a proposed 8 mile line from the West India Docks at Blackwall to the Camden Town goods station of the London and North Western Railway (LNWR). It was renamed as the NLR in January 1853, but from its inception was under the influence of the LNWR, though not their control. Originally intended to be for goods traffic only, the potential links for suburban passenger traffic were quickly realised and the original line soon expanded into an arc of lines taking in the London suburbs north of the Thames. From 1 February 1909 the NLR was worked by the LNWR and on 1 January 1922 was formally incorporated into the LNWR. The latter was in turn amalgamated the following year into the London, Midland and Scottish Railway.

The Bow Road Works were built on land belonging to George Giles in the parish of St Leonard's Bromley. The decision to build the works was taken in 1854, a contract for construction let to Messrs Hack and Son in April and they became operational by December. By 1863 the Works were self-sufficient for most purposes. By 1902 they had expanded to cover some 31 acres, employing about 750 staff and described by AJ Chisholm as 'a miniature Crewe', with erecting shop, foundry, smithy, lathe shops, and a well –equipped Stores Department. Chisholm remarked on the general cleanliness and tidiness and this is evidenced in contemporary photographs.

At that time the railway was running 118 locomotives either built or modified at the Bow Works. The majority (74) comprised a Standard Class of 4-4-0 Tank engines with outside cylinders for passenger work designed by William Adams, and 29 0-6-0T Goods engines designed by John C Park. There were two smaller classes of 4-4-0T engines, comprising 11 'Old' engines with inside cylinders and 4 other similar engines to a different design. There was also a steam crane tank.

The Locomotive Superintendents in charge of the Bow Road Works were:

1854-1873 William Adams (later of the Great Eastern Railway and the London and South Western Railway)

1873-1893 John Carter Park

1893-1908 Henry J Pryce

In 1909 construction work at Bow ceased when the LNWR took over running of the NLR. Henry Pryce retired. The Works reverted to repair work, with some staff moving to Crewe and Wolverton. On 1 January 1922 the NLR was formally amalgamated with the LNWR. In 1923, as part of the grouping of the railway companies by Act of Parliament the LNWR became part of the London, Midland and Scottish Railway. At that time the Bow Works absorbed repair work from the nearby Plaistow Works of the former London, Tilbury and Southend Railway. Accordingly drawings of vehicles originally built at Bow Road may occasionally be found in the collections of engineering drawings from Crewe and Derby, also held at the National Railway Museum.

The nationalised corporation, British Railways, finally closed the Bow Road Works in December 1959 as part of a major re-organisation of facilities. By then it employed 150 men. The Works were demolished in 1966.

#### Bow Drawings List

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
A	12		MP	5 May 1905	Standard, Goods, 51 Class	Diagram showing positions of lamp irons		02
A	13		MP	19 May 1905	Outsides, Goods, Insides	Diagram showing positions of lamp irons		02
A	42		Wax Linen	nd	All	Weight diagrams		01
A	48	4	Wax Linen	nd	Steam Crane 29A	Arrangement of Cab and Injector		01
A	51		Wax Linen	27 January 1903	Goods/ 75 Class	Weight diagram of Goods Engine No 80		01
A	52		Wax Linen	nd	Outsides	Weight diagram of Outside Cylinder Bogie Tank Engine No 70		01

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
A	54		Wax Linen	nd	1 to 10 Class	Weight diagram of Inside Cylinder Tank Engine No 105	Marked in pencil 'obsolete'. On one sheet with other drawing of same number	01
A	54		Wax Linen	nd	1 to 10 Class	Weight diagram of Outside Cylinder Bogie Tank Engine No 90	On one sheet with other drawing of same number	01
A	60		Wax Linen	nd	[Outsides]	Longitudinal section Passenger Engine		01
A	61		Wax Linen	nd	[Outsides]	Sectional plan Passenger Engine		01
A	62		Wax Linen	nd	[Outsides]	Transverse sections Passenger Engine	Narrow cab, wood roof	01
A	63		Wax Linen	nd	[51]	Longitudinal section Inside Cylinder Engine		01
A	64		Wax Linen	nd	[51]	Sectional plan Inside Cylinder Engine		01
A	65		Wax Linen	nd	[51]	Transverse sections Inside Cylinder Engine		01
A	66		Wax Linen	nd	Goods	Longitudinal section of Goods engine		01
A	66		Wax Linen	5 October 1894	Goods	Injector and clackboxes arrangement		01
A	66		Wax Linen	nd	Goods	Injector and clackboxes arrangement		01
A	66		Wax Linen	22 November 1900	Goods	Injector and clackboxes arrangement		01
A	67		Wax Linen	nd	Goods	Sectional plan of Goods engine		01
A	68		Wax Linen	nd	Goods	Transverse section of Goods engine	Wood roof	01
A	69		Wax Linen	nd	1 to 10	Arrangement of Gresham and Craven's injector Engines 1 to 10 Class		01
A	69		Wax Linen	nd	Outsides	Arrangement of injectors and clackboxes		01
A	71		Wax Linen	nd	Insides	Arrangement of Gresham and Craven's injector Inside Cylinder Engine		01
A	72		Wax Linen	nd	Steam Crane 29A	Diagram showing match wagon and vans	No title on drawing	01
A	74		Wax Linen	November 1900	Goods	Sectional Plan Goods Engine	LNWR Drawing number 27518	01
A	75		Wax Linen	3 January 1901	Goods	Transverse Sections Goods Engine	Metal roof	01
A	76		Wax Linen	nd	Goods	Arrangement for water gauge for tanks - Goods engine		01
A	76		Wax Linen	26 April 1901	Goods	Injector arrangement Goods Engine		01
A	77		Wax Linen	nd	51	General arrangement of carriage heating apparatus	LNWR drawing	01
A	12		Wax Linen	nd	Standard Passenger	Diagram showing positions of lamp irons at Leading and Trailing Ends		01

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
A	52		Wax Linen	nd	Insides/ 51 Class	Weight diagram of Inside Cylinder Bogie Tank Engine No 102		01
A	77		Wax Linen	nd	51	General arrangement of carriage heating apparatus: Elevations	LNWR drawing	01
A	73		MP	9 November 190x	Goods	Goods Engine Longitudinal Section	Coloured. Some peeling of paper from backing. LNWR drawing number 27519	03
A	74		MP	1 November 190x	Goods	Goods Engine Sectional Plan	Coloured. Some peeling of paper from backing. LNWR drawing number 27518	03
A	75		MP	Nov 1900 (?0	Goods	Goods Engine Transverse Sections	Coloured. Some peeling of paper from backing. LNWR drawing number 27029	03
B	10		Wax Linen	25 January 1894	Outsides	Passenger engine boiler - old outsides		07
B	10		MP	6 June 1875	Outsides	Boiler Standard Engines	Coloured drawing. 193 Tubes, 2in foundation ring	04
B	12		Wax Linen	15 December 1892	Goods	Boiler - Old goods engine		07
B	13		Wax Linen	nd	51 Class Old	Boiler for Passenger Engines Inside Cylinders	2" foundation ring	07
B	13		Wax Linen	4 February 1909	Insides	Boiler for New Insides		07
B	13		MP	14 February 1882	51 Class, Old	Boiler	Coloured drawing. (192 tubes - amended to show dome moved)	04
B	13		Blueprint	13 May 1909	51 Class	Front tubeplates	LNWR drawing. 3 in foundation ring.	07
B	13		Blueprint	13 May 1909	51 Class	Firebox tubeplates	LNWR drawing. 3 in foundation ring.	07
B	15		MP	24 August 1882	43 Class	Boiler Loco 49	Coloured Drawing. (193 Tubes)	04
B	16		MP	5 July 1888	Outsides	Boiler 1 to 10 Class	Coloured Drawing. (186 Tubes, 2 in foundation ring)	04
B	17		Wax Linen	May 1894	Outsides	New boiler for outsides		07
B	18		Wax Linen	May 1894	Outsides	Boiler for Outsides (1 to 10 Class)		07
B	18		Blueprint	26 April 1894	51 and Outsides	Firebox	(3 in foundation ring and 190 tubes). Corner torn.	07
B	18		MP	16 April 1894	51 and Outsides	Firebox - Outsides and Insides - 51 Class	Coloured Drawing. LNWR 27862	05
B	19		Wax Linen	August 1894	Goods	New Boiler-Goods		07

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
B	19		MP	July 1894	Goods	Boiler-Goods	LNWR drawing number 18181	05
B	20		Wax Linen	June 1894	Goods	Firebox - New Goods	(3in water space)	07
B	20		MP	May 1894	Goods	Firebox	Coloured Drawing	05
B	21		Wax Linen	31 August 1908	Steam Crane 29A	Arrangement of boiler Loco 29a (Steam Crane)		07
B	22		MP	nd	51	Boiler 51 Class Inside Cylinder Engine	Pencil Draft	06
B	23		MP	20 July 1909	Inside No 109	Details of boiler lagging and holes for mountings. NL Side Tank Engine	LNWR drawing 17900	06
B	23		Wax Linen	20 July 1909	51	Details of boiler lagging and holes for mountings. NL Side Tank Insides 51 Class No 109 engine	LNWR drawing H 563	07
B	25		Wax Linen	10 December 1910	Outsides	Details of lagging for boilers. NLR Side Tank Passenger Engines	LNWR drawing	07
B	25		Wax Linen	20 December 1910	Outsides	Details of lagging for boilers. NLR Side Tank Passenger Engines	LNWR drawing 18362. Marked ' Office Copy'	06
B	26		Wax Linen	4 January 1911	Goods	NLR Side Tank Goods Engines. Details of lagging for boilers	LNWR drawing	07
B	17		MP	16 April 1894	51 and Outsides	Firebox	Coloured Drawing. LNWR drawing 27862	05
B	26		MP	1 January 1911	Goods	Details of lagging for boilers. NLR Side Tank Goods Engines	LNWR drawing 18377	06
C	5		MP	4 December 1873	43	Copper firebox plates		10
C	7		MP	9 July 1878	Outsides	Firebox plates		10
C	31	32	Wax Linen	nd	Goods	Slide bar bracket	Engines Nos 104, 111, 116 & 121	08
C	43	A	Wax Linen	25 November 1914	All	Standard firehole shield	Crewe drawing	08
C	63	A	Wax Linen	nd	Goods	Firebox tubeplates		08
C	65	A	Wax Linen	June 1906	Goods	Firebox tubeplates Goods	Copper blanks from the manufacturer	08
C	8		Wax Linen	27 January 1908	Steam crane 29A	Copper firebox tubeplate	Shows 90 No 1 3/4 in tubes	08
C	8		Wax Linen	27 January 1908	Steam crane 29A	Copper firebox backplate	To LNWR Specification	08
C	11		MP	December 1885	Outsides	Standard boiler joint straps		10
C	12		Wax Linen	29 October 1906	Standard	Rolled section of roof bar		08

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
C	14		Wax Linen	23 December 1901	Standard	Sling stays for Standard Engines - old boilers		08
C	14		MP	15 July 1875	Outsides	Sling stays, longitudinal stays, etc		10
G	16		Wax Linen	17 September 1894	Outsides	Alteration to motion plates - old outsides		38
C	16		MP	24 September 1875	Outsides	Boiler details	Handrail brackets, lamp brackets etc	10
G	17		Wax Linen	28 June 1894	Outsides	Righthand outside motion plate		38
C	23		Wax Linen	1 May 1909	All	Dome cover Outsides		08
C	24		MP	14 June 1881	Outsides	Dome cover	Inner	11
C	26		Wax Linen	2 September 1908	Steam Crane 29A	Supports for longitudinal stays		08
C	26		Wax Linen	31 January 1908	Steam Crane 29A	New tubeplates - front end		08
C	28		MP	9 September 1874	All	Domes		11
C	31		Wax Linen	nd	All	Mild steel engine boiler tubes, specification 8		08
C	31		Wax Linen	nd	All	Mild steel engine boiler tubes, specification 8		08
C	36		Wax Linen	14 May 1902	Insides	Expansion bracket for new boilers with 3in water space		08
C	36		MP	6 December 1884	Insides	Expansion bracket	For firebox	11
C	37		Wax Linen	20 July 1908	Steam Crane 29A	Roof stay slings		08
C	37		Wax Linen	24 July 1908	Steam Crane 29A	Wrought iron seating for ejector steam valve on dome		08
C	37		Wax Linen	2 June 1908	Steam Crane 29A	Expansion bracket and roof stay		08
C	40		MP	15 May 1885	51 and Outsides	Firebars		11



Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
C	41		Wax Linen	September 1908	Steam Crane 29A	Fire bar arrangement and details		08
C	43		Wax Linen	24 April 1906	All	Firehole ring and shield		08
C	44		Wax Linen	19 August 1895	All	Diagram of firedoor gear		08
C	44		MP	18 October 1875	All	Firehole door		11
C	46		Wax Linen	nd	Steam Crane 29A	Ashpan and damper gear		08
C	47		Wax Linen	3 August 1892	Passenger	Foundation ring - Outsides and Insides		08
C	47		MP	21 January 1885	1-10 and 51	Foundation ring	2 in	11
C	47		Wax Linen	3 August 1892	Goods	Plan of foundation ring corner (2½in)	Not found	08
C	48		Wax Linen	4 December 1885	Engines 75-80	Foundation ring Shunting Engines 75 to 80 Only	Retraced by LNWR 25 July 1919	08
C	49		Wax Linen	8 April 1908	Steam Crane 29A	Cast steel dome seating		08
C	49		Wax Linen	6 July 1908	Steam Crane 29A	Firebox		08
C	49		Wax Linen	7 March 1908	Steam Crane 29A	Foundation ring for 29A		08
C	50		Wax Linen	nd	All	Smokebox lamp irons		08
C	51		MP	28 April 1882	Outsides	Arrangement of ashpan		12
C	52		MP	1 May 1882	51 and Outsides	Details of ashpan		12
C	53		MP	19 May 1885	51 and Outsides	Arrangement of ashpan and firebars	2 in water space	12
C	54		MP	3 December 1877	Goods Shunting Engine	Arrangement of ashpan		12
C	55		Wax Linen	nd	Goods	Details of Ashpan		08
C	57		Wax Linen	15 August 1896	Goods	Wrought Iron bracket on front cab plate No 115 Engine		08
C	57		Wax Linen	nd	All	Boiler blocks		08
C	60		MP	9 July 1888	Outsides	Boiler joints		13
C	61		Wax Linen	nd	Outsides	Saddle plate joints		08
C	63		Wax Linen	July 1888	Passenger	Firebox tubeplate		08
C	64		Wax Linen	nd	All	Drifts for firebox stays Nos 1 & 2		08
C	64		Wax Linen	25 August 1891	All	Standard firebox stays		08

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
C	64		Wax Linen	23 June 1890	All	Copper stays for new engines	Signed JC Park	08
C	65	A	Wax Linen	June 1906	Outsides	Firebox tubeplates 1 to 10 Class	Copper blanks from the manufacturer	08
C	66		Wax Linen	13 January 1894	Passenger	3in Foundation ring	For outsides and insides	08
C	67		Wax Linen	nd	All	Lamp irons for inside back cab plate		08
C	68		Wax Linen	21 February 1894	Goods	Foundation ring	LNWR drawing 20600	08
C	69		Wax Linen	28 March 1894	Outsides	Expansion bracket		08
C	69		MP	28 March 1894	Outsides	Expansion bracket	For firebox	13
C	70		Wax Linen	30 April 1894	Outsides	Saddle plate joints		10
C	70		MP	30 April 1894	51 and Outsides	Saddle plate joints		14
C	71		Wax Linen	13 December 1907	All	Sling angles and manhole seating		09
C	71		Wax Linen	nd	Outsides	Arrangement of firebox supports		09
C	71		MP	20 April 1894	51 and Outsides	Arrangement of firebox supports		14
C	72		Wax Linen	18 June 1894	Goods	Expansion bracket		09
C	73		Wax Linen	nd	Goods	Ashpan &c		09
C	73		MP	1894	Goods	Ashpan &c		14
C	73		MP	6 December 1894	Goods (Old)	Arrangement of Ashpan		14
C	74		Wax Linen	7 June 1895	Goods	Ashpan Details		09
C	75		Wax Linen	10 December 1894	Outsides	Arrangement of smokebox details		09
C	75		MP	6 December 1894	All	Arrangement of smokebox fastening &c		15
C	76		Wax Linen	13 March 1895	Outsides	Ashpan		09
C	76		MP	26 July 1895	Outsides	Untitled [sketch of compensation bracket?]		15

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
C	78		Wax Linen	March 1895	Outsides	Fire bars for standard boilers	With 3in water space	09
C	78		MP	March 1895	51 and Outsides	Firebars for standard boiler		15
C	79		Wax Linen	nd	Goods	Firebars for Goods Engine boilers	For boilers with 3in water space	09
C	80		Wax Linen	nd	Outsides	Cover plate		09
C	80		MP	26 July 1895	Outsides	Cover plates for tanks		16
C	81		Wax Linen	15 November 1895	Outsides	Expansion bracket	For firebox	09
C	82		Wax Linen	nd	Passenger	Firebox inspection diagram - form B		09
C	82		Wax Linen	nd	Goods	Firebox inspection diagram - form D		09
C	82		Wax Linen	nd	All	Firebox inspection diagram - forms A, B, C and D		09
C	83		Wax Linen	28 March 1905	All	Mild steel barrel ring and barrel bolt		09
C	83		Wax Linen	7 July 1908	Steam Crane 29A	Barrel stay		09
C	83		Wax Linen	November 1902	All	Standard boilers - details of joints		09
C	83		Wax Linen	nd	Outsides	Smithy boiler - details of boiler joints		09
C	84		Wax Linen	3 December 1903	Outsides; 1 to 10 Class	Alteration to front boiler block		09
C	85		Wax Linen	11 February 1905	Goods	Front and back firebox plates	For boilers with 2½ foundation ring	09
C	86		Wax Linen	13 February 1905	Outsides	Firebox plates		09
C	86		MP	13 February 1905	Outsides	Firebox plates		16
C	87		Wax Linen	16 May 1905	Goods	Copper firebox plates	For boilers with 3in foundation ring	09
C	88		MP	23 June 1906	51 and Outsides	Front tubeplate	Not complete	16
C	89		Wax Linen	9 July 1906	Passenger	Fire door tray		09
C	89		Wax Linen	31 August 1906	Passenger	Arrangement of fire door gear		09

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
C	90		Wax Linen	11 September 1906	All	Catch and pin for fire door flap		09
C	90		Wax Linen	11 July 1906	Passenger	Details of experimental fire door		09
C	90		Wax Linen	nd		Steel plates for fire door		09
C	91		Wax Linen	November 1908	Steam Crane 29A	Arrangement of fire door		09
C	93		Wax Linen	25 April 1911	All	North London Engines: Details of new arrangement of firehole door gear	LNWR drawing 18474a	09
C	81		MP	13 November 1895	Outsides	Expansion bracket		16
D	5		Wax Linen	May 1900	43	Eccentric sheave		17
D	5		MP	2 February 1866	43 and old 51	Eccentric sheave		18
D	7		MP	23 April 1866	51	Motion plate, slide bars, etc		18
D	12		MP	21 September 1869	Outsides	Diagram of cut off and reverse		18
D	13		MP	19 February 1876	Standard	Details of link motion		18
D	13		Wax Linen	17 January 1876	Outsides	Diagram of link motion and table of movements - Standard Engines 1 to 10 Class		17
D	14		Wax Linen	31 March 1885	51	Straight link motion for rebuilt engines - 51 Class		17
D	14		Wax Linen	9 September 1885	Goods	Diagram of link motion and table of movements - Shunting Engines		17
D	14		MP	31 March 1885	51 reb and Goods	Straight link motion	Doubled drawing, folded	18
D	15		MP	8 May 1869	Outsides	Motion		18
D	19		MP	22 December 1873	Outsides	Slide bar		18
D	20		MP	12 November 1867	Outsides	Lifting link		19

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
D	25		MP	7 November 1877	43	Intermediate spindles		19
D	26		MP	3 December 1877	30 and 43	Intermediate spindle guides		19
D	27		MP	27 September 1877	43	Slide bar		19
D	28		MP	12 February 1875	51 and Outsides	Piston rod		19
D	29		MP	8 July 1880	51 and Outsides	Piston rod		19
D	29		Wax Linen	14 November 1895	Outsides and Insides - 51 Class	Piston rod		17
D	30		Wax Linen	nd	Outsides and Insides - 51 Class	Piston and Rod		17
D	30		Wax Linen	4 August 1905	51	Piston and Rod - Outsides and Insides		17
D	30		MP	9 June 1902	51 and Outsides	Piston and rod (17½ in)		20
D	31		Wax Linen	4 December 1907	Outsides	Reversing shaft		17
D	32		MP	30 June 1875	Outsides	Reversing shaft bracket and rod		20
D	32		Wax Linen	nd	Outsides	Long reversing rod		17
D	33		MP	15 July 1875	Outsides	Reversing lever		20
D	34		Wax Linen	24 March 1909	Outsides	Reversing rack		17
D	34		MP	15 July 1875	Outsides	Reversing rack		20
D	36		Wax Linen	March 1897	Standard	Eccentric and rod - Standard Engines		17
D	36		Wax Linen	13 January 1891	All	Eccentric rods - gab ends		17
D	36		MP	nd	All	Eccentric rods		20
D	37		MP	3 October 1881	51, 43 and 30	Catch plate for reversing gear	51 and 30 classes deleted from title	20
D	47		MP	2 July 1877	30 and 43	Coupling rod and crank pins	43 Class engines 105 and 106	21
D	48		Wax Linen	nd	Outsides	Coupling rod		17

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
D	48		MP	3 January 1891	51 and Outsides	Coupling rod		21
D	49		MP	17 July 1877	Goods	Coupling rods		21
D	51		Wax Linen	4 August 1906	Steam Crane 29A	Eccentric rod, strap motion link and intermediate spindle		17
D	52		MP	29 September 1876	43	Slide valve and spindle for new cylinders Engines 105 and 106		21
D	53		MP	7 November 1876	51	Slide valves and spindle for new cylinders		21
D	54		Wax Linen	4 September 1909	All	Slide valves	Separate drawings for Insides and Outsides, including Goods	17
D	55		Wax Linen	nd	Outsides	NLR Standard Outside Cylinder Engine - Valve spindle		17
D	57		Wax Linen	nd	Goods	Valve spindle for Goods Engine		17
D	57		Wax Linen	nd	Goods	Valve spindle crosshead		17
D	58		MP	14 September 1875	Outsides	Intermediate spindle		21
D	58		Wax Linen	nd	Outsides	End for intermediate spindle		17
D	59		MP	6 November 1877	51	Intermediate spindle		21
D	60		MP	21 August 1878	43 and 51	Reversing shaft bracket		22
D	61		MP	26 March 1885	51	Reversing shaft bracket		22
D	62		Wax Linen	20 October 1905	Goods	Reversing rod		17
D	64		MP	3 August 1882	Outsides	Balance weight for motion		22
D	72		Wax Linen	nd	Goods	Crosshead - North London Goods	LNWR drawing 27485. Pencil inscription Derby 19/9/40	17
D	75		Wax Linen	nd	Goods	Steel slide bar		17
D	75		Wax Linen	1 June 1900	Goods	Piston rod		17
D	78		Wax Linen	13 December 1900	Goods	Reversing shaft spring		17

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
D	81		Wax Linen	29 May 1909	Goods	Reversing lever and rack		17
D	86		MP	24 March 1885	51	Reversing shaft		23
D	87		MP	25 March 1885	51	Details of motion		23
D	88		Wax Linen	nd	Insides	Motion Inside Cylinder Engines	17" x 24" cylinders	17
D	88		MP	29 April 1885	51	Motion		23
D	89		MP	28 March 1885	51	Arrangement of sheaves		23
D	90		MP	7 September 1885	Outsides	Intermediate guide		24
D	90		Wax Linen	20 March 1909	All	Cast iron intermediate guide		17
D	91		MP	12 April 1886	51	Index bracket for reversing gear		24
D	92		MP	24 March 1885	51	Reversing screw wheel and bracket		24
D	93		MP	28 May 1886	51	Slide bar and bracket		24
D	94		Wax Linen	nd	Outsides	Quadrant link and brackets	Includes Lifting Links	17
D	94		MP	18 October 1888	Outsides	Quadrant links and brackets		24
D	96		MP	30 October 1888	Outsides	Steel connecting rod		24
D	99		Wax Linen	nd	Outsides	Position of sheaves		17
D	99		MP	15 March 1890	Outsides	Positions of sheaves		24
D	102		MP	27 February 1900	Goods	Connecting rod		25
D	102		Wax Linen	nd	Goods	Connecting rod		17
D	103		Wax Linen	nd	Insides	Connecting rod- Small end		17
D	103		MP	7 February 1893	51	Connecting rod- Small end		25
D	104		MP	7 February 1893	51	Connecting rod- Big end		25
D	105	108	Wax Linen	10 February 1893	Outsides	Connecting rod	Cottered. Combined drawing 105 and 108	17

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
D	105		MP	10 February 1893	Outsides	Connecting rod		25
D	107		Wax Linen	nd	43	Connecting rod for 43 Class engines (Nos 105-6-7-8)	Cottered. For small end see D 103	17
D	107		MP	3 July 1894	43	Connecting rod		25
D	108		Wax Linen	15 January 1895	Outsides	Driving and trailing crank pins		17
D	108		MP	14 January 1895	Outsides	Connecting rod small end and driving and trailing crank pins	LNWR drawing 19720	25
D	109		Wax Linen	13 November 1905	Outsides	Cast steel bridge- Piston crosshead	Pattern No 492C	17
D	109		MP	November 1895	Outsides	Cast iron bridge piston crosshead		25
D	110		Wax Linen	January 1896	Insides	Piston crosshead and Slide block		17
D	110		MP	January 1896	51	Piston crosshead and Slide block		26
D	111		Wax Linen	nd	Outsides	Motion arrangement - 1 to 10 Class Outsides		17
D	111		MP	nd	Outsides	Motion arrangement		26
D	112		Wax Linen	nd	Outsides	Motion arrangement - 1to 10 Class Outsides		17
D	112		MP	January 1897	Outsides	Motion arrangement		26
D	113		Wax Linen	January 1898	Steam Crane 29A	Connecting rod- Big end		17
D	114		Wax Linen	11 January 1898	Steam Crane 29A	Coupling rod - Loco 29A - Mild Steel		17
D	117		Wax Linen	3 February 1908		NLR - Loco. Details equipped with Bangs' covers		17
E	0		Wax Linen	2 October 1906	Steam Crane 29A	Steel plate for brake shaft	No number	27
E	36	1	Wax Linen	8 August 1904	Goods	Piston rod for vacuum cylinder		27
E	43		Wax Linen	22 August 1891	Insides	Stud for steam stop valve		27
E	43	47	Wax Linen	12 December 1896	All	Elbows and tees for vacuum brake pipe		27



Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
E	5		Wax Linen	2 February 1891	105/106/107/108	Brake gear		27
E	11		Wax Linen	24 May 1909	Goods	Brake column		27
E	12		MP	19 November 1897	43	Brake Block engines 105 & 106	Torn in two	29
E	12		Wax Linen	19 November 1907	43	Brake Block for engines nos, 105 and 106		27
E	21		Wax Linen	5 May 1902	Outsides	Brake shaft bush - new engines		27
E	21		MP	27 September 1876	Outsides	Brake details		29
E	26		MP	29 January 1878	51 and Outsides	Brake column		29
E	34		Wax Linen	9 September 1904	Goods	Cast iron bracket for train pipe at trailing buffer beam		27
E	34		Wax Linen	5 February 1901		Cast steel ejector emergency handle for vacuum brake		27
E	35		Wax Linen	nd		No. 40 m/m combination ejector for vacuum automatic brake - left hand ejector		27
E	35		Wax Linen	1 February 1901		Ejector air disc handle		27
E	36		Wax Linen	3 March 1911	All	North London Engines - Details of 21" vacuum brake cylinder	LNWR drawing	27
E	36		Wax Linen	28 March 1893	Engines & Carriages	Piston rod packing box for Engine and Carriage vacuum cylinders		27
E	36		Wax Linen	nd		Ball valve for 21" vacuum cylinders		27
E	36		Wax Linen	nd		Improved packing for piston rods in vacuum cylinders		27
E	36		Wax Linen	28 March 1893	Outsides and 51	Piston rod for 21" engine vacuum cylinder		27
E	37		Wax Linen	nd		1¼" screw stop valve automatic vacuum brake		27
E	37		Wax Linen	nd		Drip tap and valve		27
E	38		Wax Linen	10 May 1898		Drip trap valve		27
E	38		Wax Linen	30 April 1891	All	Gunmetal exhaust elbow for automatic vacuum brake		27

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
E	38		Wax Linen	12 August 1891	Outsides and 51 Class	Brazing metal flange for exhaust pipe in smokebox		27
E	39		Wax Linen	nd	Outsides	Flange for exhaust pipe in smokebox		27
E	42		MP	16 June 1892	43 Class	Brake hanger brackets No 108 engine		30
E	42		Wax Linen	16 June 1892	43 Class	Brake hanger brackets No 108 engine		27
E	42		Wax Linen	28 June 1892	43 Class	Wrought Iron bracket for ejector No 108 engine		27
E	43		Wax Linen	18 August 1891	Insides	Gunmetal ejector bracket on tank		27
E	43		Wax Linen	21 October 1891	Outsides	Elbow for steam stop valve for vacuum brake		27
E	43		Wax Linen	nd	Steam Crane 29A	Dummy bracket for leading end vacuum brake		27
E	43		Wax Linen	nd	Outsides and 51 Class	Cast iron clip on footplate for ejector pipes		27
E	43		Wax Linen	nd	Goods	Stud and elbow for steam stop valve, vacuum brake		27
E	43		Wax Linen	21 July 1908	Engines and vans	Dummy clip for hosepipe vacuum brake		27
E	44		Wax Linen	nd	Outsides	Brake gear details		27
E	44		MP	12 May 1891	Outsides	Brake gear details		30
E	44		Wax Linen	15 August 1893	Passenger	Trailing brake rod		27
E	45		MP	13 May 1891	Outsides	Brake gear details		30
E	45		Wax Linen	10 October 1891	Passenger	Cast iron blocks for train pipe clips (vacuum brake)		27
E	45		Wax Linen	nd	Insides	Brake shaft bracket		27
E	45		Wax Linen	25 September 1891	Outsides	Brake shaft bracket for old type frames		27
E	45		Wax Linen	nd	Outsides	Brake gear details - brake shaft bracket		27
E	45		Wax Linen	25 August 1891	Outsides and Insides	Vacuum brake details (clips)		27
E	45		Wax Linen	12 October 1891	Outsides and Insides	Train pipe clips for vacuum brake		27
E	46		Wax Linen	16 January 1907	51 and Outsides	Brake hangers		27

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
E	46		MP	nd	Outsides	Brake hangers		30
E	47		Wax Linen	nd	Outsides	Trunnion bracket for vacuum cylinder		27
E	47		Wax Linen	nd	All	No title [Vacuum pipes]		27
E	47		Wax Linen	24 September 1891	Insides	Train pipe connection trailing end		27
E	47		Wax Linen	23 June 1904	Goods	Steel elbow for train pipe connection		27
E	47		Wax Linen	5 August 1891	Passenger	Flanges for train pipes		27
E	47		Wax Linen	5 August 1891	Outsides and 51 Class	Flange bracket on trailing buffer beam		27
E	48		Wax Linen	5 August 1891		Cast iron trunnion bracket for vacuum brake (large)		27
E	48		Wax Linen	nd	Outsides and Insides	Shield plate for vacuum cylinders		27
E	49		Wax Linen	25 October 1905	Outsides	Brake block		27
E	49		MP	August 1891	51 and Outsides	Brake blocks and trunnion bracket	LNWR drawing 19645	30
E	49		Wax Linen	13 August 1891	Outsides and Insides	Cast steel brake shaft		27
E	49		Wax Linen	29 September 1891	Outsides	Trunnion bracket for engines with old type frames		27
E	50		Wax Linen	nd	Insides	Arrangement of brake gear - Inside cylinder engines		28
E	50		MP	nd	51 Class	Layout of vacuum brake gear	Pencil drawing	31
E	51		Wax Linen	6 April 1894	Outsides	Arrangement of vacuum brake gear		28
E	51		MP	6 April 1894	Outsides	Arrangement of vacuum brake		31
E	52		MP	nd	Outsides	Layout of vacuum brake gear	Pencil drawing	31
E	56		Wax Linen	15 November 1897	All	Brake handle (wrought iron) for Standard Outside Cylinder Engines		28
E	56		Wax Linen	26 November 1897	Outsides	Stop for brake nut		28
E	56		Wax Linen	10 December 1897	Goods	Stop for brake shaft lever - hand brake		28

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
E	57		Wax Linen	29 December 1897		½" vertical ball valve	Copy of Vacuum Brake Co drawing no 3893	28
E	57		Wax Linen	nd		No title (shows some kind of ball valve)		28
E	58		Wax Linen	23 March 1908	Goods	Details of leading brake gear		28
E	58		Wax Linen	December 1907	Goods	Brake block, hanger, pin and cross stay, leading wheels		28
E	60		Wax Linen	14 May 1909	Goods	Brake gear details		28
E	60		Wax Linen	20 June 1904	Goods	Trailing brake hanger stay		28
E	62		Wax Linen	14 July 1904	Goods	Arrangement of brake gear - vacuum brakes		28
E	62		Wax Linen	nd	Goods	No title [Vacuum Brakes for Old goods engines]		28
E	62		Wax Linen	11 October 1904	Goods	Arrangement of brake gear		28
E	62		Wax Linen	20 June 1904	Goods	Vacuum pipe from ejector to drip trap vacuum brake		28
E	63		Wax Linen	nd	Goods	Vacuum brake details - brake blocks and clips		28
E	63		Wax Linen	nd	Goods	Cast iron bush for brake shaft		28
E	63		Wax Linen	2 September 1904	Goods	Balance weight for vacuum cylinder		28
E	63		Wax Linen	nd	Goods	Cast iron bush for brake shaft		28
E	64		Wax Linen	5 August 1904	Goods	Cast steel brake shaft		28
E	64		Wax Linen	13 June 1904	Goods	Wrought iron brake shaft		28
E	64		Wax Linen	August 1904	Goods	Wrought iron vacuum brake lever and shaft		28
E	64		Wax Linen	nd	Goods	Wrought iron vacuum brake lever for brake shaft		28
E	65		Wax Linen	13 July 1904	Goods	Brake shaft bracket and trailing rail guard		28
E	65		Wax Linen	nd	Goods	Brake nut - vacuum brake		28
E	65		Wax Linen	16 June 1904	Goods	Arrangement of exhaust in smokebox - vacuum brake		28

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
E	65		Wax Linen	15 June 1904	Goods	Plate for ejector		28
E	66		Wax Linen	14 September 1904	Goods	Wrought iron clips for auxiliary pipe - vacuum brake	Includes arrangement of vacuum chamber	28
E	66		Wax Linen	22 June 1904	Goods	Wrought iron clips for train pipe		28
E	66		Wax Linen	22 June 1904	Goods	Wrought iron clips for train pipe - vacuum brake	Clip for dummy for leading hose pipe	28
E	66		Wax Linen	20 June 1904	Goods	Wrought iron straps for vacuum brake chamber		28
E	67		Wax Linen	July 1904	Goods	Wrought iron brake hanger		28
E	68		Wax Linen	13 July 1904	Goods	Brake gear details		28
E	68		Wax Linen	nd	Goods	No title (possibly brake adjustor)		28
E	69		Wax Linen	14 October 1894	Goods	Protection bar - vacuum brake cylinder		28
E	69		Wax Linen	11 January 1922	All	Details of rubber rings for 21" vacuum brake cylinder	LNWR drawing	28
E	70		Wax Linen	17 October 1904	Goods	Cast iron trunion bracket for vacuum brake cylinder		28
E	72		Wax Linen	8 October 1906	Steam Crane 29A	Brackets for vacuum cylinder		28
E	73		MP	13 June 1892	Class 43	Arrangement of brake and vacuum gear No 108 engine		31
E	74		Wax Linen	November 1908	Steam Crane 29A	Cast iron brake block		28
E	74		Wax Linen	November 1908	Steam Crane 29A	Bracket for ejector		28
E	75		Wax Linen	11 December 1908	Steam Crane 29A	Arrangement for exhaust ejector		28
E	76		Wax Linen	20 August 1906	Steam Crane 29A	Wrought iron leading and trailing brake stay		28
E	77		Wax Linen	February 1907	Steam Crane 29A	Wrought iron seating for steam valve - vacuum brake		28
E	77		Wax Linen	20 February 1907	Steam Crane 29A	Hand brake screw nut and links		28
E	77		Wax Linen	nd	Steam Crane 29A	Wrought iron brake hanger bracket		28
E	78		Wax Linen	28 August 1906	Steam Crane 29A	Brake shaft with levers also vacuum lever		28

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
E	79		Wax Linen	30 August 1906	Steam Crane 29A	Wrought iron handbrake lever - vacuum brake		28
E	80		MP	nd	Class 43	Layout of vacuum brake gear - Nos 105 and 106	Pencil drawing	31
E	81		Wax Linen	20 September 1949	Goods	details of standard brake block for Passenger and Goods engines LMS North London Section	British Railways drawing re-traced 20/9/1949 from Office Copy	28
F	17	25	Wax Linen	12 November 1894	Outsides	Wrought iron details of spring gear		32
F	33	A	Wax Linen	12 September 1913	All	North London Railway locomotive springs Sheet 2	LNWR drawing	32
F	4	?	MP	16 February 1867	43	Springs for engines nos 43-50		33
F	6		MP	13 February 1867	51	Springs for engines Nos 51-56		33
F	5		MP	3 October 1877	43	Compensating lever and brackets		33
F	6		Wax Linen	5 April 1909	51	Bogie spring		32
F	8		MP	13 May 1879	51	Compensating lever and brackets		33
F	9		MP	21 May 1884	51 (Rebuilt)	Compensating lever and spring links		33
F	13		Wax Linen	nd	Goods	Spring hanger	PC 20336	32
F	13		Wax Linen	nd	Not specified	Section B		32
F	15		Wax Linen	nd	51 and Outsides	Compensating shaft and bracket		32
F	15		MP	6 April 1875	51 and Outsides	Compensating shaft and lever		34
F	16		Wax Linen	24 February 1903	51 and Outsides	Compensating bracket Passenger Engines		32
F	16		MP	6 April 1875	51 and Outsides	Compensating bracket		34
F	17		MP	6 April 1875	Outsides	Spring bracket links and pins		34
F	19		MP	26 July 1877	Outsides	Old standard driving and trailing springs		34

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
F	20		MP	17 August 1877	51 and Outsides	Spring bracket and link for repairs		35
F	23		MP	22 September 1882	Outsides	Spring bracket for engines with new frames and old axles		35
F	24		MP	7 April 1909	Outsides	Driving and trailing springs 1-10 and 51 Classes		35
F	24		Wax Linen	nd	51 and Outsides	Driving and trailing springs 1 to 10 Class		32
F	24		Wax Linen	10 October 1894	Standards	Spring gear Standard engines		32
F	24		MP	30 November 1887	51 and Outsides	Driving and trailing springs		35
F	25		Wax Linen	27 July 1901	Outsides	Cast iron spring link for engines (outsides)		32
F	25		Wax Linen	23 August 1901	Not specified	Cast iron spring link Spec No 9		32
F	25		MP	2 November 1892	Outsides	Wrought iron details - spring gear		36
F	25		Blueprint	23 August 1901	Not specified	Cast steel spring link Spec No 9	Duplicate	32
F	25		Blueprint	27 July 1901	Outsides	Cast steel spring link for engines	Duplicate	32
F	26		Wax Linen	7 July 1896	?	Bogie spring shackle		32
F	26		Wax Linen	17 July 1903	Outsides	Bogie spring link, washers and nut 1 to 10 Class		32
F	26		Wax Linen	7 July 1896	Outsides	Bogie spring buckle		32
F	26		Wax Linen	16 July 1896	Outsides	Bogie spring for passenger engines		32
F	26		MP	July 1896	Outsides	Bogie spring buckle and link		36
F	26		Blueprint	16 July 1896	Passenger	Bogie spring for passenger engines		32
F	28		Wax Linen	21 September 1901	Passenger	Driving and trailing springs - right and left - standard passenger		32
F	28		MP	21 September 1901	Outsides	Driving and trailing springs		36
F	29		Wax Linen	nd	All	Layout of springing, outside cylinder, inside cylinder, goods	Three drawings	32

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
F	30		Wax Linen	4 October 1910	Outsides	Details for new spring gear - driving and trailing wheels		32
F	30		MP	4 October 1910	Outsides	Details of new spring gear - driving and trailing wheels	LNWR drawing	37
F	31		MP	1 October 1910	Outsides	Alterations to driving wheel springs (spiral)	LNWR drawing	37
F	32		Wax Linen	30 May 1913	1 to 10 Class	North London Railway bogie spring and buckle	LNWR drawing	32
F	32		MP	6 June 1913	Outsides	Bogie spring and buckle	LNWR drawing	37
F	33		Wax Linen	12 September 1913	All	North London Railway locomotive springs	LNWR drawing	32
F	33	A	MP	nd		North London Railway locomotive springs	LNWR drawing 19271	37
F	31		Wax Linen	4 October 1910	Outside 1 to 10 Class	Alteration to springs for driving and trailing wheels	LNWR drawing	32
F	33		Wax Linen	9 September 1913		Locomotive springs (see F33A)	LNWR drawing C19270	32
G	22	A	Wax Linen	9 January 1905	Goods	Steel frame plates - specification 10		38
G	22	A	Wax Linen	6 January 1891	Goods	Mild steel frame plates - specification 10		38
G	57		MP	13 June 1887	All	Cast drawplates and stays and motion plates for outsides		40
G	15		Wax Linen	17 May 1893	Outsides	Cast steel gusset stay - specification 9		38
G	16		Wax Linen	18 May 1897	Old Outsides	Slidebar bracket for improved crossheads		38
G	16		Wax Linen	4 July 1894	Outsides	Left hand motion plate for old outsides		38
G	18		Wax Linen	9 July 1897	Outsides	Cast steel intermediate plate		38
G	19		Wax Linen	28 September 1891	Outsides	Drawplate stay old frames		38
G	19		Wax Linen	10 April 1884	1 to 10	Cast iron drawplate stay		38
G	22		Wax Linen	3 September 1894	Outsides	Steel frame plates - specification 10		38



Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
G	22	&22A	MP	13 December 1877	Outsides & Goods	Frames for Goods numbers 75-80 and old outsides		39
G	23		Wax Linen	27 August 1896	Outsides	Main frame		38
G	23		Wax Linen	Not dated	Outsides	Stiffening plates for frames		38
G	26		Wax Linen	5 November 1891	Outsides	Footplating		38
G	27		MP	28 October 1878	Goods	Footplating and framing angles old type goods Numbers 75-80		39
G	28		Wax Linen	1 December 1906	Goods	Alterations to main frame		38
G	37		Wax Linen	2 July 1915	Goods	Standard footstep	LNWR drawing	38
G	39		Wax Linen	23 May 1890	51	Outside frames engines Nos 101, 102, 113		38
G	43		Wax Linen	Not dated	Outsides	Cast steel framing bracket - specification 9		38
G	45		Wax Linen	Not dated	Goods	Slide bar bracket - specification 9		38
G	46		Wax Linen	1 September 1892	Goods	Motion Plate - specification 9		38
G	46		Wax Linen	7 September 1896	All	Cast steel stay at front of firebox - specification 9		38
G	49		Wax Linen	Not dated	Outsides	Buffer beam plates		38
G	50		Wax Linen	Not dated	Insides	Leading buffer plate		38
G	52		Wax Linen	17 January 1901	Goods	Stiffening plate for leading buffer beam		38
G	55		Wax Linen	February 1900	Goods	Footplating and framing angle irons		38
G	55		MP	6 May 1886	Goods	Footplating and framing angles		40
G	57		Wax Linen	not dated	Outsides & Insides	Stay behind trailing axles - specification 9	Pattern No 5469	38
G	57		Wax Linen	not dated	Outsides & Goods	Stay behind firebox - specification 9		38
G	57		Wax Linen	not dated	Goods	Drawplate	Pattern No 5457	38
G	57		Wax Linen	29 April 1907	Outsides	Cast steel plate for engine no 22		38
G	57		Wax Linen	Not dated	Outsides	Steel drawplate for leading draw gear		38
G	57		Wax Linen	13 August 1896	Outsides	Outside motion plates (left and right)		38

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
G	59		Wax Linen	24 April 1895	Outsides	Outside motion plate - left hand		38
G	59		MP	24 April 1895	Outsides	Motion plate - left hand		41
G	60		Wax Linen	24 April 1895	Outsides	Motion plate - left hand		38
G	60		MP	30 April 1895	Outsides	Motion plate - right hand		41
G	61		Wax Linen	Not dated	Passenger	Standard footstep		38
H	4		Wax Linen	Not dated	Outsides	Front sand box details		42
H	6		Wax Linen	Not dated	51 and Outsides	Trailing sandbox		42
H	18		Wax Linen	7 October 1881	Goods	Leading sandbox	With circular lid and raised bar handle	42
H	20		Wax Linen	4 March 1907	Steam Crane 29A	Trailing sand gear		42
H	23		MP	May 1900	Goods	Trailing sandbox toolbox and splasher		43
G	16		Wax Linen	17 September 1894	Old Outsides	Alteration to Motion Plates		38
G	17		Wax Linen	28 June 1894	Standard Engines & Outsides	Outside Motion Plate (Right Hand)		38
G	47		Wax Linen	3 August 1892	Goods	Main Frame		38
G	56		Wax Linen	Not dated	Goods	Main Frame		38
G	56		MP	1886	Goods	Main frame, showing plates to be ordered	Double-sized drawing, folded	40
H	4		Wax Linen	15 January 1897	1-10 & Outsides	Bracket for Front Sand Lever		42
H	23		Wax Linen	May 1900	Goods	Trailing sand-box, tool-box and splasher combined (right and left)		42
H	23		Wax Linen	June 1900	Goods	Wrought Iron details for trailing sandbox and toolbox (combined)		42
J	44	A	Wax Linen	2 April 1895	43	Cast steel wheel centre Specification 4		45
J	3		MP	1 May 1866	51	Axles and wheels	Drawing much amended	46
J	4		MP	9 March 1877	51	Driving and trailing wheels		46
J	6		MP	18 March 1875	Old Outsides	Driving and trailing wheels		46
J	7		MP	4 August 1876	Outsides	Spare wheels and axles		46
J	8		Wax Linen	not dated	not specified	Standard engine wheel	16 spoke, 4ft 10½ in without tyres	44

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
J	8		MP	3 November 1881	Outsides	Driving and trailing wheels		46
J	9		MP	3 July 1877	Goods	Plain wheels, 14 spokes		46
J	10		MP	24 May 1878	Goods	12 spoke H wheels	Endorsed 'See new design 18/8/1885'	47
J	11		Wax Linen	not dated	Goods	Cast iron wheel centres (H spoke)		44
J	11		MP	18 August 1885	Goods	12 spoke H wheels with solid balance weights		47
J	13		MP	26 February 1878	51 & 43	Crank axles	Drawing torn - not to be produced	47
J	16		Wax Linen	27 March 1895	51	Crank axle		44
J	16		Wax Linen	Not dated	51	Crank axle		44
J	16		Wax Linen	Not dated	51	Axles	With 3 1/4 in x 2 1/4 in hoops	44
J	16		MP	14 January 1879	51	Crank axles (hooped)		47
J	17		Wax Linen	Not dated	Outsides	Bogie, driving and trailing axles		44
J	17		Wax Linen	9 July 1909	Outsides	Bogie axle - specification 2		44
J	17		BP	14 April 1909	Outsides	Driving and trailing axles		44
J	17		MP	10 March 1875	Outsides	Driving and trailing axles		47
J	18		Wax Linen	not dated	Goods	Axles		48
J	19		MP	4 February 1875	Outsides	Driving and trailing crankpins	Endorsed see D 108	47
J	20		MP	21 February 1876	51	Crank Pins		48
J	21		Wax Linen	24 September 1952	Goods	Crank pins	British Railways drawing	44
J	21		Wax Linen	22 December 1905	Goods	Crank pins		44
J	21		Wax Linen	1 December 1897	Goods	Steel crank pins	Annotated ' driving crank pin increased to 5½ inches	44
J	23		Wax Linen	3 April 1909	Outsides & Goods	Axlebox		44

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
J	23		MP	23 February 1875	Outsides & Goods	Driving and trailing axleboxes		48
J	24		MP	8 October 1873	51	Standard driving and trailing axlebox		48
J	25		Wax Linen	1 September 1909	51	Driving and trailing axleboxes		44
J	25		MP	16 July 1884	51	Driving and trailing axleboxes		48
J	26		Wax Linen	30 January 1895	Steam Crane 29A	Driving, leading and trailing axles		44
J	28		MP	15 January 1877	51	Hornblock, axlebox and wedge		48
J	30		MP	9 April 1884	51	Hornblock, wedge and axlebox		49
J	31		MP	8 March 1875	Outsides	Hornblock, wedge and axlebox		49
J	32		Wax Linen	2 June 1905	Outsides	Cast steel hornblocks		44
J	32		Wax Linen	2 June 1892	Outsides	View of hornblock frame side		44
J	32		Wax Linen	30 June 1905	Outsides	Right hand hornblock		44
J	32		Wax Linen	9 June 1892	Outsides	Hornblock	Annotated 'See new tracing June 1905'	44
J	32		BP	3 June 1905	Outsides	Right hand hornblock		44
J	32		MP	19 April 1875	Outsides	Right hand hornblock	Marked 'obsolete' and part covered with a large ink blot	49
J	32		MP	30 June 1905	Outsides	Right hand hornblock		49
J	34		MP	12 August 1882	Outsides	Cast iron hornblock		50
J	36		Wax Linen	Not dated	Goods	Leading and trailing hornblocks		44
J	36		Wax Linen	7 May 1896	Goods	Cast steel hornblocks, front cheek		44
J	37		Wax Linen	Not dated	Goods	Hornblock		44
J	38		MP	12 March 1875	Not specified	Engine tyres		50
J	39		Wax Linen	17 August 1909	Outsides	Driving and trailing tyres		44

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
J	39		Wax Linen	28 February 1896	All	Standard engine tyre showing maximum wear		44
J	39		Wax Linen	1 April 1908	Steam Crane 29A	Driving, leading and radial wheel tyres		44
J	39		Wax Linen	21 August 1904	Not specified	Standard tyre proposed by Mr Churchward with NLR Standard		44
J	39		Wax Linen	30 April 1906	All	Templates for tyres all classes except Goods driving		44
J	39		Wax Linen	Not dated	Goods	Leading and trailing tyres - specification 3		44
J	39		Wax Linen	24 March 1902	43	Bogie tyre, engines 105-108		44
J	39		Wax Linen	Not dated	Outsides	Driving and trailing tyres		44
J	39		Wax Linen	4 November 1892	Outsides	Bogie tyre		44
J	39		Wax Linen	Not dated	Outsides	Section of tyre, leading and trailing - specification 3		44
J	39		Wax Linen	13 April 1897	51	Bogie tyre, rolled section - specification 3		44
J	39		Wax Linen	Not dated	Goods	Driving tyres - rolled section, specification 3		44
J	39		Wax Linen	9 July 1909	Outsides	Bogie tyre		44
J	39		MP	10 July 1879	All	Sections of engine tyres		50
J	40		Wax Linen	2 June 1905	Insides	Horn stay		45
J	40		MP	10 October 1887	51	Arrangement of horns		51
J	41		Wax Linen	14 March 1891	Outsides	Cast steel wheel centres		45
J	41		Wax Linen	31 May 1892	All	Standard engine tyre fastening		45
J	41		MP	13 March 1891	Outsides	Driving and trailing wheels		51
J	42		Wax Linen	10 August 1892	Outsides	Horn stays for old frames		45
J	42		MP	8 August 1892	Outsides	Horn stay for old frames		51
J	44		Wax Linen	21 March 1895	51 Rebuilt	Cast steel wheel centre		45

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
J	44		MP	21 March 1895	51 & 43	Driving and trailing wheels - specification 4		51
J	44		BP	21 March 1895	51	Driving and trailing wheels - specification 4		45
J	45		Wax Linen	February 1898	43	Axles		45
J	45		Wax Linen	29 March 1895	43	Crank axle No 106 engine		45
J	45		MP	4 April 1895	43	Axles		51
J	46		Wax Linen	Not dated	All?	Driving axles		45
J	46		Wax Linen	March 1895	43	Class 1 crank axle new design		45
J	47		Wax Linen	20 April 1895	Outsides	Cast steel wheel centres		45
J	47		BP	20 April 1895	Outsides	Driving and trailing wheels		45
J	46		MP	1 April 1895	All	Crank axles		52
J	47		MP	20 April 1895	Outsides	Cast steel wheel centre		52
J	47		BP	20 April 1895	Outsides	Driving and trailing wheels		45
J	48		Wax Linen	24 February 1898	Not specified	Crank pins		45
J	48		BP	24 February 1898	51 & 43	Crank pins		45
J	48		MP	24 February 1898	51 & 43	Crank pins		52
J	49		Wax Linen	Not dated	Standard	Bogie wheel		45
J	49		Wax Linen	12 December 1905	Standard	Bogie wheel		45
J	49		MP	11 May 1885	Outsides	Steel bogie wheel		52
J	49		MP	7 December 1905	Outsides	Bogie wheels		52

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
J	50		Wax Linen	20 November 1895	Goods	Cast steel horncheeks		45
J	51		Wax Linen	31 August 1897	Steam crane 29A	Driving axleboxes		45
J	52		Wax Linen	September 1897	Steam crane 29A	Cast steel wheel centre	Marked 'not to be made in steel'	45
J	52		Wax Linen	4 January 1898	Steam crane 29A	Leading and driving crankpins		45
J	52		Wax Linen	October 1897	Steam crane 29A	Cast iron wheel centre		45
J	53		MP	8 August 1874	43	Bogie wheels	Cartridge Paper	52
J	54		Wax Linen	24 January 1900	Goods	Driving horn block		45
J	55		Wax Linen	29 January 1900	Goods	Leading and trailing hornblock		45
J	56		Wax Linen	Not dated	Goods	Wheels Leading, driving and trailing wheels		45
J	56		MP	Not dated	Goods	Leading, driving and trailing wheels	Cartridge Paper	52
J	56		BP	Not dated	Goods	Wheels with rectangular spokes	Two copies	45
J	57		Wax Linen	16 May 1900	Carriage	Standard steel disc wheel		45
J	57		Wax Linen	6 July 1900	Goods	Plan of wheel and axle		45
J	58		Wax Linen	8 July 1903	Not specified	Worn tyres made from template		45
J	58		Wax Linen	16 June 1903	All	Tyre sections	Full size showing permissible wear (including carriage and wagon)	45
J	59		Wax Linen	16 November 1912	Outsides & Goods	Steel axlebox		45
J	59		Wax Linen	3 July 1908	All	Diagram of wear on rails, axleboxes, tyres and flanges		45
K	3		MP	23 January 1864	43	Tanks for new engines 46-50		54
K	4		MP	15 March 1867	51	Tanks for new engines 51-56		54
K	6		Wax Linen	Not dated	Outsides	Side Tank (850 gallons)		53
K	6		MP	14 September 1875	Outsides	Side Tank (850 gallons)		54
K	6		Wax Linen	11 January 1899	Outsides	Arrangement of cast iron muffler on tank for vacuum ejector exhaust		53

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
K	7		MP	4 February 1878	Goods	Tanks	Maybe not used	54
K	8		Wax Linen	Not dated	Goods	Side Tank (956 gallons)		53
K	8		MP	5 April 1886	Goods	Tank	Shows number plate moved from 16/07/10	54
K	11		Wax Linen	November 1901	Not specified	Joints for water tank connectors		53
K	11		MP	28 April 1885	51	Tank connecting pipe	Cartridge Paper	55
K	12		Wax Linen	17 February 1894	Outsides & Insides	Pipe connection and exhaust bow for vacuum brake		53
K	12		MP	3 October 1876	Outsides	Arrangement of front tank stay	TORN IN TWO PIECES. Cartridge paper	55
K	12		Wax Linen	16 February 1894	51 and Outsides	Condensing box for vacuum brake		53
K	14		Wax Linen	12 November 1897	Goods	Cover plates (over boiler between tanks)		53
K	16		MP	13 June 1877	Outsides	Window frames for cab	Cartridge Paper	55
K	17		MP	15 June 1877	Outsides	Back windows for cab	Cartridge Paper	55
K	19		MP	Not dated	Outsides	Cab plates front and back	Cartridge Paper	55
K	19		MP	7 October 1879	43 and 51	Front cab plates	Cartridge Paper	55
K	20		MP	28 March 1877	Outsides	Cab		56
K	21		MP	8 June 1885	51	Arrangement of cab	Full width	56
K	22		MP	17 June 1885	51	Cab plates		56
K	24		MP	27 January 1880	Goods	Front and back cab plates		56
K	26		Wax Linen	3 March 1902	Goods	Handrails		53
K	27		MP	21 October 1878	Outsides	Handrails and beading to tank tops, etc		56
K	28		MP	8 January 1878	Goods	Coal box		56



Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
K	29		MP	16 July 1877	Outsides	Coal box		56
K	35		MP	2 May 1876	51 and Outsides	Signal and bracket on chimney		56
K	35		Wax Linen	Not dated	Not specified	Bracket for special signal on engines		53
K	36		Wax Linen	Not dated	All	Standard chimney	No dimensions	53
K	36		MP	17 July 1884	All	Standard chimney		57
K	39		Wax Linen	30 December 1905	All	Cab windows front and back		53
K	39		MP	29 June 1887	Outsides	Cab windows	Note: see new drawing K39 December 1905	57
K	39		Wax Linen	Not dated	Outsides	Front cab window for old engines		53
K	41		Wax Linen	Not dated	Steam crane 29A	Bracket for supporting tank		53
K	42		Wax Linen	June 1900	Goods	Cab plates		53
K	43		Wax Linen	23 February 1893	Outsides	Cab plates		53
K	43		BP	Not dated	Outsides	Front cab plate (wide)		53
K	42		MP	1 June 1900	Goods	Cab plates		57
K	44		Wax Linen	Not dated	Not specified	Cover plates for cab roof and back plate		53
K	45		Wax Linen	13 April 1897	Steam Crane 29A	Cab roof		53
K	46		Wax Linen	7 April 1897	Steam Crane 29A	Cab plates		53
K	47		Wax Linen	15 April 1897	Steam Crane 29A	Arrangement of cab		53
K	48		Wax Linen	12 December 1906	All	Cast iron oak liquor tank		53
K	48		Wax Linen	11 January 1907	All	Cast iron oak liquor tank		53
K	48		Wax Linen	Not dated	Steam Crane 29A	Cast iron liquor tank - alteration of flange to suit		53
K	48		Wax Linen	30 November 1906	All	Gauge glass for oak liquor tank		53
K	48		MP	30 January 1906	All	Cast iron oak liquor tank		57

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
K	50		Wax Linen	12 August 1918	All	Arrangement and details of screen for windows at rear of cab	L&NWR drawing	53
K	11		BP	No date	Goods & Outsides	For tank connection pipe joints	Joint gaskets	53
K	43		BP	No date	Outsides	Cab plates		53
L	7		Wax Linen	14 November 1908	Steam Crane 29A	Regulator		58
L	8		Wax Linen	Not dated	Steam Crane 29A	Regulator		58
L	8		Wax Linen	4 December 1908	Steam Crane 29A	Steam pipe flange on tubeplate		58
L	10		Wax Linen	Not dated	All	Injector suction coupling in tank		58
L	13		Wax Linen	Not dated	Steam Crane 29A	New regulator		58
L	22		Wax Linen	11 April 1902	Not specified	No title	Lubricator connections?	58
L	22		Wax Linen	Goods	17 October 1891	Elbow for lubricator connection for valve faces		58
L	22		Wax Linen	23 June 1896	Not specified	Slide bar lubricator		58
L	22		Wax Linen	6 March 1895	Goods	Cylinder lubricator		58
L	26		Wax Linen	Not dated	Not specified	Valve and handle	Pressure gauge cock?	58
L	33		Wax Linen	28 September 1908	Steam Crane 29A	Safety valve		58
L	33		Wax Linen	Not dated	All	Safety valve		58
L	33		Wax Linen	20 January 1896	All	Standard safety valve spring		58
L	34		Wax Linen	Not dated	All	Blower Valve		58
L	36		Wax Linen	17 May 1901	Not specified	Brass bush nut for blower rod		58
L	36		Wax Linen	18 September 1898	All	Standard blower and connections		58
L	36		Wax Linen	26 April 1901	Not specified	Details for blower connection		58
L	36		Wax Linen	Not dated	Steam Crane 29A	Stuffing box for blower rod		58
L	37		Wax Linen	22 February 1904	All	Pressure Gauges		58
L	40		Wax Linen	Not dated	All	Regulator stuffing box		58

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
L	40		MP	17 August 1875	51 and Outsides	Regulator and stuffing box	Damaged: NOT TO BE PRODUCED	60
L	41		MP	18 August 1881	51 and Outsides	Regulator and stuffing box for repairs	Damaged: NOT TO BE PRODUCED	60
L	42		Wax Linen	8 September 1899	Not specified	Alterations to standard loco regulator		58
L	42		Wax Linen	Not dated	Not specified	Pipe Clip and Coupling Links for Regulator		58
L	42		Wax Linen	Not dated	Not specified	Standard Regulator		58
L	42		MP	17 August 1875	51, Outsides and Goods	Standard old regulator	Damaged: NOT TO BE PRODUCED	60
L	44		MP	1 October 1891	All	Cylinder cocks		58
L	44		Wax Linen	Not dated	All	Cylinder cock and steam chest cock on goods only		58
L	44		Wax Linen	13 December 1888	Not specified	Dewrance patent asbestos packed waste water cocks		58
L	50		Wax Linen	Not dated	Not specified	Injector steam valve		58
L	53		Wax Linen	Not dated	Not specified	Spindle for injector steam valve	Stone's bronze	58
L	53		Wax Linen	27 June 1893	Not specified	Injector steam cock	Obsolete	58
L	53		Wax Linen	11 September 1895	All	Renewable seat for injector steam cock		58
L	53		Wax Linen	16 August 1892	No 108	Steam pipe connection to right Gresham injector		58
L	53		Wax Linen	Not dated	Outsides	Flange for injector steam cock	For boiler with 3in water space	58
L	55		Wax Linen	Not dated	All	Standard whistle		58
L	55		Wax Linen	December 1907	All	Standard whistle		58
L	55		Wax Linen	29 September 1898	All	Standard whistle	'See new tracing'	58
L	56		Wax Linen	Not dated	Passenger	Dewrance asbestos blow off cock		58
L	57		Wax Linen	Not dated	Outsides	Asbestos packed blow off cock		58
L	57		MP	31 July 1889	Outsides	Seating on boiler for blow off cock	Damaged: NOT TO BE PRODUCED	61
L	58		Wax Linen	December 1896	All	Internal cones & automatic valves for Gresham & Craven's No 8 automatic starting injector		58

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
L	58		Wax Linen	Not dated	Outsides	Details of new arrangement of injector (flange pipe)		58
L	60		Wax Linen	7 November 1900	Not specified	Gresham & Craven's automatic restarting and lifting injector		58
L	60		Wax Linen	Not dated	Standard	Arrangement of left and right injectors		58
L	60		MP	9 November 1900	All	Gresham & Craven automatic re-starting and lifting injector		59
L	61		Wax Linen	Not dated	Passenger	Dewrance patent blow off cock on back of firebox		58
L	62		Wax Linen	12 June 1894	Not specified	Neck for slide valve lubricator on outside of smokebox		58
L	62		Wax Linen	22 March 1892	All	Condenser for slide valve lubricator		58
L	62		Wax Linen	8 January 1906	All	Steam chest lubricator		58
L	62		Wax Linen	14 April 1891	Not specified	Slide valve lubricator	Date erased 'Oct 1890'	58
L	63		Wax Linen	Not dated	Outsides	Flanges for steam pipes 17½inches		58
L	63		Wax Linen	Not dated	Not specified	Flanges for steam pipes 17½inches	Different tracing	58
L	63		Wax Linen	12 December 1903	Outsides	Flanges for steam pipes 17½inches	Different tracing	58
L	63		Wax Linen	Not dated	Outsides	Steam pipe joint on cylinder		58
L	63		MP	26 November 1890	Outsides	Flanges for tubeplates	Damaged: NOT TO BE PRODUCED	61
L	65		Wax Linen	25 November 1901	Standard	Water gauge		58
L	65		Wax Linen	22 November 1893	Stationary Boiler	Brass seating for gauge cocks		58
L	65		MP	August 1891	All	Boiler water gauges		59
L	68		Wax Linen	20 June 1893	Standard	Feed and hot water clack valve		58
L	68		Wax Linen	24 July 1894	Not specified	Brazing metal flanges for injector pipes		58
L	68		Wax Linen	Not dated	Not specified	Standard clack valve seating		58

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
L	68		Wax Linen	Not dated	Stationary Boiler	Bracket for pressure gauge		58
L	71		Wax Linen	19 November 1894	Standard	Bronze feed cock		58
L	71		Wax Linen	Not dated	Goods	Handle and guide for injector cock		58
L	71		Wax Linen	Not dated	Not specified	Dewrance patent gun metal balanced feed cock		58
L	73		Wax Linen	15 October 1896	All	Fusible plug		58
L	76		Wax Linen	22 November 1897	Outsides	Dewrance patent sight feed lubricator		58
L	78		Wax Linen	14 January 1896	Standard	Steam valve for sight feed lubricator		58
L	88		Wax Linen	3 November 1905	Standard	Clack box for all classes		58
L	89		Wax Linen	16 November 1905	Standard	Waste water cocks		58
L	90		Wax Linen	13 December 1897	Outsides	Lubricator for piston rod and valve spindle glands		58
L	90		MP	12 December 1907	Outsides	Lubricator for piston rod	Damaged: NOT TO BE PRODUCED	61
L	91		Wax Linen	4 January 1908	Standard	Water gauge with protector		58
L	92		Wax Linen	17 March 1925	Not specified	Schaffer and Budenburg pressure gauge for recording head of water		58
M	15		Wax Linen	Not dated	Not specified	Slide valves		62
M	23		Wax Linen	6 April 1909	All	Piston rod packing		62
M	23		Wax Linen	6 April 1909	All	Valve spindle packing		62
M	53		Wax Linen	February 1899	51	Steam chest covers - 17½in wide faces		62
M	53		Wax Linen	19 December 1895	51	Steam chest covers		62
M	61		Wax Linen	Not dated	Outsides	Top and bottom plates for standard engines		62

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
M	66		Wax Linen	2 November 1894	Goods	Cylinder covers		62
M	66		MP	3 August 1877	Goods	Cylinder covers		63
M	67		Wax Linen	Not dated	Goods	Slide steam chest cover		62
M	68		Wax Linen	31 March 1915	Goods	Details of top and bottom plates for cylinders	LNWR drawing 19758	62
M	69		Wax Linen	25 November 1936	Goods	Cylinder	LMS redraft of NLR drawing	62
M	69		MP	24 February 1880	Goods	Cylinders and slide valves		63
M	72		Wax Linen	14 January 1892	Goods	Front steam chest cover		62
M	81		Wax Linen	February 1899	Insides	Transverse section of new 17½in cylinders, wide faces		62
M	82		Wax Linen	February 1899	51	Back end elevation 17½in cylinders, wide faces		62
M	83		Wax Linen	23 February 1899	Insides	Outside elevation new 17½in cylinders, wide faces		62
M	84		Wax Linen	February 1899	Insides	Sectional plan new 17½in cylinders, wide faces		62
M	85		Wax Linen	February 1899	Insides	Elevation of ports new 17½in cylinders, wide faces		62
M	86		Wax Linen	8 February 1899	51	Front end elevation new 17½in cylinders, wide faces		62
M	87		Wax Linen	February 1899	51	Front and back cylinder covers and pistons 17½		62
M	87		Wax Linen	18 December 1895	Insides	Front cylinder cover and piston 17½		62
M	89		Wax Linen	Not dated	Steam crane 29A	13 in x 17in cylinders		62
M	94		Wax Linen	29 November 1889	Outsides	Blast pipe		62
M	98		Wax Linen	17 May 1909	Outsides	Piston rod gland and bush		62
M	101		Wax Linen	March xxxx (torn)	Passenger	17½in cylinder - general arrangement		62

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
M	103		Wax Linen	Not dated	Outsides	Front face of cylinders		62
M	104		Wax Linen	Not dated	Outsides	Cylinder details		62
M	105		Wax Linen	Not dated	Outsides	Front cover for 17½ in cylinders		62
M	106		Wax Linen	Not dated	Outsides	Back cover for 17½ in cylinders		62
M	109		Wax Linen	Not dated	Goods	Arrangement of blast pipe		62
M	110		Wax Linen	Not dated	Outsides	Side steam chest cover 17½in		62
M	111		Wax Linen	Not dated	Outsides	Front steam chest cover 17½in		62
M	116		Wax Linen	16 November 1895	Outsides	Front cylinder cover and piston		62
M	116		Wax Linen	25 January 1906	Outsides	Front cylinder cover and piston		62
M	117		Wax Linen	December 1895	Outsides	Back cover 17½in cylinders		62
M	118		Wax Linen	December 1895	Outsides	Front cylinder cover 17½in repairs		62
M	119		Wax Linen	October 1896	43	Front cylinder cover and piston 16½in		62
M	121		Wax Linen	31 July 1911	Outsides	Details of metallic packing for piston rod and valve spindle	LNWR drawing	62
M	66		Wax Linen	Not dated	Freight engines	Cylinder covers: NLR Freight Engines	'See new tracing Oct 1936	62
M	109		Wax Linen	Not dated	Goods	Arrangement of blast pipe: NL engines		62
P	37		Wax Linen	Not dated	Not specified	Diagram of rubber and asbestos joints	LNWR Crewe drawing	65
P	38		Wax Linen	Not dated	Not specified	Diagram of rubber springs		65
P	39		Wax Linen	Not dated	Not specified	Diagram sheet of copper tubeplates and firebox plates	LNWR Crewe drawing	65
Q	43		Wax Linen	6 May 1896	Outsides	Steam pipe elbow in smokebox		65
Q	2		Wax Linen	12 December 1905	Standard	Waste water gear		65
Q	3		Wax Linen	October 1898	Not specified	Locomotive bolts and studs		65
Q	4		Wax Linen	October 1898	Not specified	Locomotive bolts and studs		65
Q	4		Wax Linen	29 March 1909	All	Roof stay bolts - 70 to a set		65
Q	5		Wax Linen	November 1898	All	Locomotive bolts and studs		65
Q	6		Wax Linen	Not dated	Not specified	Locomotive bolts and studs		65
Q	12		MP	20 October 1874	All	Standard engine figures	Cartridge Paper	64

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
Q	13		MP	20 October 1874	All	Number Plate	Cartridge Paper	64
Q	13		Wax Linen	1 September 1891	All	Pressure Plate for Engines		65
Q	14		MP	Not dated	All	Number plate	Cartridge paper	64
Q	27		Wax Linen	9 April 1888	All	Engine couplings	Shows a screw coupling and refers to vans	65
Q	27		Wax Linen	14 January 1908	All	Engine couplings	As 9 April 1888 drawing but altered 14 Jan 1908	65
Q	31		Wax Linen	18 September 1891	Insides & 51 Class	Lever for waste water gear		65
Q	33		Wax Linen	2 August 1918	All	Couplings and drawbars	Stamped 'LMS Derby 12 August 1944'	65
Q	33		Wax Linen	12 September 1906	All	Nut for draw bars		65
Q	34		Wax Linen	Not dated	Goods	Copper steam pipe		65
Q	42		Wax Linen	10 December 1888	Not specified	Pedestal and case for model engine		65
Q	43		Wax Linen	6 May 1898	Standards & Outsides	Stud on steam junction in smoke box for sight feed lubricator		65
Q	44		Wax Linen	Not dated	51 Class	Steam pipe elbow in smokebox		65
Q	47		Wax Linen	25 November 1890	Outsides	Steam pipe junction in smokebox		65
Q	58		Wax Linen	June 1900	Goods	Footstep and trailing sandpipe stay		65
Q	59		Wax Linen	2 May 1911	All	NLR screw and link coupling	LNWR Crewe drawing	65
R	28		Wax Linen	18 May 1909	51 Class	Bogie axlebox		66
R	47		Wax Linen	7 April 1909	Outsides	Bogie axlebox		66
R	50		Wax Linen	Not dated	Outsides	Bogie arrangement		66
R	50		Wax Linen	9 January 1905	Outsides	Sketch showing brass liner for repairing bogie slide castings		66
R	50		Wax Linen	13 August 1896	Outsides	Tough steel bogie girder	'Y' pattern No 5463	66
R	51		Wax Linen	Not dated	Outsides	Bogie frame plates		66
R	51		Wax Linen	25 May 1894	Not specified	Iron washers for bogie spring lines		66



Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
R	53		Wax Linen	Not dated	Not specified	India rubber bogie centre pads		66
R	55		Wax Linen	4 September 1891	51 Class	Cast steel bogie centre		66
R	61		Wax Linen	1898	Steam Crane 29A	Radial axlebox		66
R	63		Wax Linen	19 December 1906	Not specified	Casting for bogie spring beam		66
R	63		Wax Linen	16 December 1906	Outsides	Casting for bogie spring beam		66
R	63		Wax Linen	21 December 1906	Not specified	Bogie spring beam		66
R	64		Wax Linen	9 January 1909	Outsides	Cast iron bogie horn cheeks		66
CK	35		Wax Linen	No date	C&W	No title [Diagram of Luggage Van No 3]		67
CK	63		Wax Linen	No date	C&W	Diagram of Composite Carriage - Hammersmith Branch	To accommodate 36 passengers	67
CK	64		Wax Linen	No date	C&W	Diagram of [no title]	Four wheel carriage, 30ft 11ins	67
CK	76		Wax Linen	11 November 1901	C&W	Diagram of old passenger van shewing one third class compartment in place of present gas holder		67
CK	76		Wax Linen	11 November 1901	C&W	Diagram of Passenger Brake Van	Proposed alteration shewing two third compartments	67
CK	76	H	Paper copy	November 1895	C&W	Diagram of New Passenger Brake Van (High roof)	24 foot body	67
CK	76	L	Wax Linen	28 May 1895	C&W	Diagram of New Passenger Brake Van (Low Roof)	24 foot body	67
CK	97		Wax Linen	No date	C&W	Diagram of First Class Carriage (High Roof)	To accommodate 32 passengers	67
CK	97		Wax Linen	No date	C&W	Diagram of Third Class Carriage (High Roof)	To accommodate 50 passengers	67
EK	47		Wax Linen	nd	Steam Crane 29A	Brass stud for vacuum cylinder		67
MK	224		Wax Linen	No date	Pumping Engines, Poplar	Connections for steam reducing valve		68
MK	224		Wax Linen	17 June 1896	Pumping Engines, Poplar	Stud and neck for waste water from cylinder		68
MK	224		Wax Linen	No date	Pumping Engines, Poplar	Connections for sight feed lubricator		68

Prefix	Number	Suffix	Material	Date	Class	Title	Notes	Box No
MK	224		Wax Linen	13 November 1896	Pumping Engines, Poplar	Cast iron reservoir for Intermediate Receiver		68
MK	226		Wax Linen	No date	Pumping Engines, Poplar	Relief valves for steam chest, low pressure cylinder		68
MK	226		Wax Linen	3 June 1908	Pumping Engines, Poplar	Relief valve for turning cylinders, 25 Foot Cranes		68
MK	228		Wax Linen	22 July 1896	Pumping Engines, Poplar	Regent B.O. 198 No 6 Engine, Low and high pressure valves [not title]		68
MK	228		Wax Linen	28 August 1897	Pumping Engines, Poplar	Key for eccentric sheave No 5 engine, low pressure valve		68
MK	228		Wax Linen	30 March 1897	Pumping Engines, Poplar	Key for eccentric sheave No 6 engine, high pressure slide		68
MK	228		Wax Linen	19 December 1898	Pumping Engines, Poplar	Diagram of eccentric key, low pressure valve, No 3 engine		68
MK	228		Wax Linen	4 September 1896	Pumping Engines, Poplar	Diagram of eccentric key, high pressure valve, No 6 engine		68
MK	228		Wax Linen	27 October 1898	Pumping Engines, Poplar	Position of eccentric of low pressure valve, No 1 engine		68
MK	228		Wax Linen	22 July 1896	Pumping Engines, Poplar	Valve diagrams of pumping engines, Poplar (Compounded)		68
MK	229		Wax Linen	30 March 1898	Pumping Engines, Poplar	Stud for indicator gear, high pressure cylinders, compound engines, Poplar		68
MK	230		Wax Linen	2 June 1897	Pumping Engines, Poplar	Brass Pillar for Dewrance's sight feed lubricator		68
MK	230		Wax Linen	11 May 1896	Pumping Engines, Poplar	New spindle and bracket for counter, B.O.198		68
MK	232		Wax Linen	25 January 1899	Pumping Engines, Poplar	Plan showing position of Stop Valve Pit and Hyde Mains, Great Northern Old Shed, Poplar		68
MK	233		Wax Linen	3 June 1898	Pumping Engines, Poplar	Hydraulic and hand-power machinery for draw bridge, Poplar Dock	Water damaged drawing, but serviceable. Very large drawing.	68
MK	234		Wax Linen	30 April 1898	Pumping Engines, Poplar	Widening of Poplar Dock Entrance, Detail of Draw Bridge		68