

Stoke Carriage & Wagon Drawings List

Description: The collection consists mainly of engineering drawings relating to locomotives, carriages and wagons maintained or built at the Stoke Works of the North Staffordshire Railway. There are other drawings from the output of the drawing office relating to machinery, civil engineering and the production of munitions during the First World War.

System of arrangement: The original order of the collection has been difficult to ascertain due to the lack of any specific records of drawing office practice. However, during the course of listing the contents it has become clear that there are three distinct groups of drawings. The Locomotive Works and the Carriage & Wagon Works maintained their own separate numerical sequences for their drawings. This has been restored and the two main sets of drawings sorted into numerical order within these two divisions and listed according to this convention. In each case sequences of previously un-numbered drawings have been added. These have the additional prefix UN and have been allocated artificial numbers by the National Railway Museum in series from 50001 and 60001 respectively. There is a third group of mainly small drawings known as 'sketches' and with a single numerical sequence and a 'SK' prefix. These have also been separately sorted.

Within the Carriage and Wagon sequence there are three further small sets of drawings, but the numbers do not seem to interfere with the normal numbering pattern. To identify these drawings they have been allocated the prefix 'MC' for those drawings originating with Metro-Cammell of Saltley and 'N' for those originating with J Stone & Co. The third sequence of three drawings only have the prefix RCD and appear to be related to War Office production during the Great War. All three sets have been allocated to separate boxes for storage and retrieval purposes, as it is not clear whether the numbering sequence is proper to the Stoke Works.

Physical Characteristics: The vast majority of the drawings are wax linen copies in variable condition, with occasional paper copies and blueprints. Some have been subject to water damage in the past and several drawings have been damaged by oil stains and mould. In these latter instances copying will be virtually impossible and handling will be restricted.

Administrative/Biographical History: The North Staffordshire Railway (NSR) came into being in April 1845. The earliest locomotives were built by outside contractors, among them Sharpe Brothers & Co, Robert Stephenson & Co, Vulcan Foundry, Hudswell Clarke, Kitson's and Neilson & Co.

The NSR opened its own works at Stoke on Trent in 1864. They occupied a 12-acre site near the main line at Stoke Junction, between the canal and the company roundhouse. The location was cramped and difficult to access off the Leek branch line, becoming more difficult as the Works were expanded and developed. At first they were only able to complete repairs and heavy rebuilding. Facilities for new building were completed in 1868. By 1901 the locomotive works employed 450 men and the carriage and wagon works a further 400. Figures for 1914 were 483 and 391 respectively.

The locomotive stock continued to include both contractor and local built stock, and this mixture is reflected in the surviving collection of engineering drawings from the Stoke Works Drawing Office. The North Staffordshire Railway also worked and maintained the Leek & Manifold Valley Light Railway, a 2'6" narrow gauge line opened in 1904. Among the more unusual drawings produced at the Stoke Works are vehicles for this 9-mile line. In common with many railway works the Stoke drawing office was employed to produce drawings for machinery, buildings and other developments as demanded by the company. During the 1914-1918 war they also produced drawings for shells and fuses as part of the war effort, examples of which have survived into the collection.

Responsibility for engineering and the works passed through several hands from 1848 to closure in 1927. The following table lists the names of the men in overall control, but there were separate and subordinate managers for the Locomotive Works and for the Carriage & Wagon Works.

Key Personnel:

- 1848-1865 Engineer J C Forsyth
- 1865-1870 Engineer J Johnson
- 1870-1874 Locomotive Superintendent T W Dodds
- 1874-1875 Locomotive Superintendent R N Angus
- 1876-1882 Locomotive Superintendent C Clare
- 1882-1902 Locomotive, Carriage & Wagon Superintendent L Longbottom
- 1902-1915 Locomotive, Carriage & Wagon Superintendent J H Adams
- 1915-1923 Locomotive, Carriage & Wagon Superintendent J A Hookham

No new locomotives were built after 1923, when the North Staffordshire Railway was absorbed into the London, Midland & Scottish Railway (LMS). The last Works Manager (1919-1927) was H G Ivatt, who later became the CMEE of the LMS.

The Works were officially closed in 1926, finally running down by 1927 when most of the employees transferred to Crewe Locomotive Works. As a consequence it is also possible to find drawings of locomotives originating with the North Staffordshire Railway and the Stoke Works among the Crewe Works collection. Some have also found their way into the Derby Works collection as a result of subsequent rationalisation by the LMS.

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C001	C		12			Brake Safety Loop	F/s		
C001	C		60			Wheel and axle	H/s		Mansell type

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C001	C		68		9	Goods Brake Van, 16' 0" length, 9' 7" wheelbase (10 ton type)	1"	19 October 1888	Signed WWW and L Longbottom
C001	C		101			Third class carriage, 35' underframe	1.5"/1'		Initialed WWW, Diagram 4 GA
C001	C		104			3rd Class Brake, 35' underframe			Signed Luke Longbotom, Initialed WWW
C001	C		132			Underframe for Fatstock Van: 18'3" over headstocks, 10'0" wheelbase, 2'0" buffers		18 August 1891	Initialed "WWW" and signed "L Longbottom"
C001	C		133			Fat Stock Van bearing spring	H/s		
C001	C		144		5	Drawbar and buffer for milk van and PLV	--		
C001	C		146		5	28' 81/2" wood frames	quarter		Drawbar & buffers for 29'3" coaches
C001	C		157			Spring – subject unspecified, 13 leaves, 4' 0" when straight	H/s		Signed L Longbottom "cancelled December 1895"
C001	C		164		5	Spring for bearings, 12 leaves, 3' 2" centres	H/s		
C001	C		167	?		CCT elevations			NSR
C001	C		177			4" bearing spring shoe for new 17'6" traffic wagons	full		D1 wagons, Longbottom type drawing
C001	C		180			First and second composite, 35' underframe			Diagram 1 note in margin, 'one or two still running'
C001	C		189			Twin Timber Truck: plan, cross section of side and bolster		14-Nov-00	Date stamped
C001	C	Plan	202			NSR Proposed loading gauge NSR compared to LNWR Loading gauge	1.5"	1916	
C001	C		364	?		L&MVLR Transportation Car, alteration to hand brake	1"		part copy
C001	C		1034	a		Hopper wagon detail fittings	--		
C001	C		1034			Hopper wagon detail fittings	--	20-Sep-16	
C001	C		1268		5	Brake shaft bracket, 10 ton wagon		14-Apr-01	pattern 822, MI brackets made in place of this April 1917
C001	C		1270			Leaf Spring	H/s		Sgd L Longbottom
C001	C		1315			Carriage axleboxes, radial 8" x 33/4" journals	full	16-Aug-06	axlebox drawings
C001	C		1315	A		Carriage axleboxes, radial 8" x 33/4" journals	full		castings
C002	C		1450			Steel castings, 35' underframe, radial truck dampers			

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C002	C		1451			Steel castings, radial truck hornplates			
C002	C		1452			Radial guides for Webb's Radial carriage axle, 35' stock	3"/1'		
C002	C		1453			Controlling springs, radial axle, 35' carriages	half		
C002	C		1454			Carriage underframe 35', GA	1.5"/1'		Radial truck end marked
C002	C		1455			Headstock for 35' carriage underframe	3"/1'		LMS NSS C&W
C002	C		1456			Buffer arrangement, 35' carriage underframe	3"/1'		shows buffer springs & housings
C002	C		1457			35' carriage underframe, bearing springs & bracketss	full, 3"/1'		brake brackets
C002	C		1458			Wrought iron details, 35' carriage underframe	half		brake hangers, pull rods
C002	C		1460			Radial truck, 35' underframe	3"/1'		GA of radial truck and frames
C002	C		1462			Coupling hooks, wrought iron details for 35' carriages	f/s		
C002	C		1463			Wrought iron detials 35' carriage underframe	half		rods, springs, irons, hornguards
C002	C		1464			Bearing springs, 35' underframe	3"/1'		Note: 2 thus fitted at radial end coach with RT, 2 fitted at centre without RT
C002	C		1465			35' carriage underframe, brake details	half		brake brackets
C002	C		1466			35' underframe, brake arrangement			Vac cylinder & Rod
C002	C		1468			35' Carriage Underframe: step irons, body bolts and train pipe, for third class, third brake and five compt composite carriages	1"	N/d	Note: "for lavatory composite see 1534"
C002	C		1469	A		Step irons	3"/1'		carriage stepirons
C002	C		1469			Step irons, 35' carriage underframe	3"/1'		
C002	C		1470			35' carriage underframe, step boards	1'/1". full		for 3rd, composite and Brake 3rd
C002	C		1473			35' carriage underframe, vacuume brake arrangement			Original diagonal version, signed by J Adams, initialed WWW
C002	C		1492			35' carriage underframe, brake blocks & buffer guide	full		Note on buffer replacement, 26/11/1927
C003	C		1520			Wrought Iron Buffer, 1' 0" diameter head		N/d	
C003	C		1526			1st and 3rd lavatory composite 35' carriage	--		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C003	C		1527		2	Auto vac brake arrangement, 29' carriages			See 1590. Ga Floor and elevation
C003	C		1528			35' carriage underframe, brake gear	1.5"/1'		later version
C003	C		1529			Brake arrangement, radial truck	3"/1'		
C003	C		1530			35' carriage underframe	3"/1'		
C003	C		1531			35' underframe, brake arrangement	3"/1'		One wheel shown
C003	C		1532			36' carriage underframe, brake details	half		brackets, hangers
C003	C		1533			35' carriage underframe, brake details	full, 3"/1'		beam and shoes
C003	C		1534			35' Carriage Underframe: top step board and positions of body bolts for lavatory composite carriage	1"	N/d	
C003	C		1535			35' carriage underframe, details for handbrake countershaft, third brake	half		cranks, rods, links
C003	C		1537			Sections through carriage seats	1.5" and 3"		
C003	C		1538			Buffer for carriage stock with wood frames	3"/1'		milk van, PLV, Horse Box, Carriage truck
C003	C		1540			35' carriage underframe, drwgear springs	3"/1'		
C003	C		1543		1	Cast Steel axleboxes 9"x4"	full		Various Ga's of axleboxes
C003	C		1544			Carriage wheel and axle 9" x 4" journal	H/s and f/s		
C003	C		1545			48'6" Carriage underframe	1.5"		
C003	C		1546			48'6" Carriage underframe, bogie			
C003	C		1547			Headstock detail, bogies	H/s	25-Jul-06	
C003	C		1553			48' carriage underframe	none		Vac cylinder & gear shown
C003	C		1558			48'6" Carriage underframe 3rd B-A, 3rd B B, 3rd C, Comp D, step boards			See 1644 for shaped stepboard end
C004	C		1560			15ton limestone wagon GA, 3pl, 6' 10" high	1.5"		Altered (pencil) to show 6pl high sides
C004	C		1562		5	Bearing spring, 5' 10.5" when straight, and buffing spring, 3' 6" centres	H/s		
C004	C		1563			Buffer, 1' 0" diameter head, for 15 ton limestone wagon	H/s		
C004	C		1564			15ton limestone wagon detail fittings	H/s		
C004	C		1565		1	15 ton bearing for standard loco coal bogie and implement wagons	F/s		
C004	C		1566			15t Limestone Wagon Coupling			
C004	C		1569	A		Subject unspecified – journal?	H/s		
C004	C		1569		1	LMVR carriage axle	H/s		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C004	C		1573		5	1 1/2" amd 1 3/4" buffer shoes	full	22-Aug-05	WWW, ?JWD
C004	C		1574		7	Steel use for coach draw bar hook	full	05-Jan-16	Steel blank, signed WWW
C004	C		1576			Wheel and axle 15 ton wagon, 20T goods brake & 15 ton rail truck			
C004	C		1580			Coupling arrangement, carriage stock	half		shows screw coupling 7 double buffers
C004	C		1581			Coupling arrangement for goods vehicles fitted with AV brake	H/s		Unusual shaped upper link
C004	C		1582		4 or 6	Carriage step boards			35'6", 48'6"
C004	C		1584		3	Cast steel buffer guides	full		WWW, 10"
C004	C		1585	A		Steel casting (axlebox slipper)			signed 28/08/1907 WWW
C004	C		1585		1	Wagon axlebox	F/s		Marked obsolete see 1746
C004	C		1588			15 ton buffer spring, 14 leaves	H/s	24-Jan-06	Signed WWW
C004	C		1589		2	28'81/2" frame brake details	full		shafts, hangers, brackets & links
C004	C		1590		2	Milkvan underframe arrangement	1.5"		For details see 1533 and 1589
C004	C		1592			Wagon Drawbar Coupling	H/s	07-Oct-10	Signed WWW
C004	C		1596			Silk Van, arrangement of brake gear			10' wheelbase
C004	C		1597			Silk Van, underframe ironwork: buffers (1' dia), vee hangers, brake cross shaft, brake lever, etc	3"		
C004	C		1599			Trough for Horse Boxes	Quarter Size	14 May 1906	
C005	C		1600		1	Carriage journal bearings 9"/4"	full	18-May-23	LMS NSS checked ES, revised April 1932
C005	C		1609			Diagram of 367 3rd class brake		26-Jul-06	End view
C005	C		1610			48'6" carriage underframe, brake cylinders & bracket	3"	27-Jul-06	Initialled WWW
C005	C		1611			Train Piping - various pipe sections and angles	3"	04-Sep-06	Signed WWW
C005	C		1617		9	Open Carriage Truck GA	1.5"/1'		
C005	C		1617		9	Carriage truck	1.5"/1'		underframe
C005	C		1619			Bogie composite carriage	1.5"/1'		D27 part elevation and plan
C005	C		1620			48'6" underframe brake gear, brake end	3"		
C005	C		1621			Bogie third class brake	1.5"/1'		Diagram 22

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C005	C		1622			Proposed Special Truck for Cattle: 14'10" animal section, 4'10" attendant's compartment with folding seat & locker	1"		22'0" x 8'0" over body, 5' wide door, wheelbase not shown
C005	C		1622			Special Cattle Truck on Old Frame: 14'3" animal section, 5'0" attendant's compartment			Appears to be slightly longer than previous drawing 1622
C005	C		1627		5	22' carriage truck bearing spring	H/s	24-Jul-10	
C005	C		1628		8	Bogie composite brake	1.5/1'		D25 plan only: Number duplicated
C005	C		1628			Horsebox and milkvan bearing spring	H/s		Number duplicated
C005	C		1631		1	Carriage axleboxes, radial 8" x 33/4" journals, D 1315		10-Nov-07	initialed WWW, axlebox drawings
C005	C		1635		1	10 ton wagon axlebox	F/s		Superseded by 1745
C005	C		1636		5	Spring for bearings, 7 leaves, 3' 2" centres	H/s	18-Jan-07	
C005	C		1637			Axlebox slipper	Full size , 3"/1'		
C005	C		1638			Wagon axlebox, 6" x 3 1/4"	full size		
C005	C		1639		7	LMVR brake blocks	F/s		
C005	C		1642		7	L&MVLR Seats for Flat Wagons, 12 thus	H/s		
C005	C		1643			Wheel & axle for 10 ton wagon	0.25/full		
C005	C		1644			Step boards for 3 compt. frames F, 48'6" carriage underframe		Feb-07	Standard carriage of all 3rd vestibuled
C005	C		1645		1	Wagon bearing	F/s	25-Aug-08	Marked see 2086 for up to date
C005	C		1646			Carriage axles	--		
C005	C		1648			1st class carriage door	F/s		
C006	C		1651			Steel casting	F/s	20-Mar-07	
C006	C		1653		5	Steel casting	full	06-May-07	Bearing spring shoe, see 1996, initialed WWW
C006	C		1654			End stops, bogie carriages	F/s	17-May-07	Initialed WWW
C006	C		1655		1	Oil axlebox 10 ton wagon	F/s	27-May-07	Marked not made
C006	C		1656			Handbrake for milk trucks on old frames	--		
C006	C		1657		5	Spring – subject unspecified, 8 leaves, 4' 0" when straight	H/s	04-Jul-07	Signed WWW
C006	C		1659			Split spoke 2'9" diameter wagon wheel	half		
C006	C		1661		8	Third Class Brake Diagram H	1.5"/1'		Diagram 29

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C006	C		1662			Step boards for 3rd class bogie frames, H	1" and f/s		
C006	C		1663		5	Screw coupling	half	01-Sep-07	This drawing must not be worked to, slight alteration to be made
C006	C		1666			8 ton wagon bearing spring, 13 leaves, 3' 2" centres	H/s	14-Oct-07	Signed WWW
C006	C		1667		2	Cast brackets	full	20-Oct-07	
C007	C		1671			Bogie composite brake	1.5"/1'	09-Jan-08	GA interior 7 ends, Diagram 28
C007	C		1672			Coach doors	3" and f/s	17-Jan-08	
C007	C		1673		5	Wagon 10 ton bearing spring, 9 leaves	H/s	01-Feb-08	Signed WWW
C007	C		1674		9	Goods brake van (20t van)	1.5"/1'	19-Feb-08	Initialled WWW
C007	C		1675			Spring for buffers, 12 leaves	H/s	28-Feb-07	Signed WWW
C007	C		1678	part		Third class lavatory, floor plan for D30			NS C&W stamp
C007	C		1678			Diagram 30, 3rd class carriage floor plan		09-Mar-08	
C007	C		1679			Stepboards 48'6" underframe, frame K	1.25"	10-Mar-08	Initialled WWW
C007	C		1682			48' 6" Carriage Underframe - frame K brake piping. (one end marked "this end to trail to Stoke")	1"	10-Mar-08	Signed WWW. (does not state carriage type)
C007	C		1688		5	Bearing spring shoe	full	29-Jun-08	Initialled WWW
C007	C		1689			Quarry tip wagon detail fittings	F/s and h/s		
C007	C		1690			Coach wheel	F/s		
C007	C		1691		8	proposed third class bogie saloons			6types
C007	C		1692	A		20 Ton Goods Brake Details (brake block hanger, four per set)	H/s		
C007	C		1692			Goods Brake: iron fittings (including drawbar hook, faceplate, brake hangers, brakeblocks, brake shaft and vee hangers)		17-Jul-08	Signed WWW
C007	C		1693			Goods Brake: ironwork, brackets and buffer (1' 0" diameter head). Notes also needed: 15 ton axleboxes, 15 ton axleguards, 4 x 1" tierods 6' 11.75" between nut, 4 x 1" tierods 6' 10" between nuts, brakebeams and pullrods "same as carriage".	3" & h/s	20-Jul-08	Signed WWW
C007	C		1694		8	Frame L, 3rd Class Saloon to Diagram L		27-Jul-08	Diagram 31 GA and part plan
C007	C		1695			Frame M, third class saloon D32		27-Jul-08	Initialled WWW

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C007	C		1699			Silk Van, arrangement of brake gear		21-Sep-08	10' wheelbase
C008	C		1702			Roofs of 3rd class Saloons		20-Oct-08	Initialed WWW, Cant rail and roof sticks
C008	C		1703			Wheel profile	F/s	16-Oct-08	
C008	C		1705			48' 6" Carriage Underframe - frames L and M. (footstep toeplate spacing suggests frames for Saloons D31 and D32 respectively; ascending steps end marked "this end to lead to Stoke")	1"	04-Nov-08	Signed WWW. Marked "two of each"
C008	C		1706			Train composition plan		20-Oct-08	Initialed WWW, signed by Adams
C008	C		1707			Third class saloons		08-Dec-08	
C008	C		1708			Goods Brake: underframe (showing one quarter of underframe and all fittings) (18' 0" length, 7' 8.5" width, 10' 0" wheelbase, 8'8" over stepboards, solebars 12' 0" deep)	3"		
C008	C		1709	part		Third brake, floor plan Diagram 22		16-Mar-09	NS C&W stamp
C008	C		1709		8	Third brake bogie, Diagram A	1.5"/1'		Diagram 22
C008	C		1711			48' 6" Carriage Underframe - frame B (footstep spacing suggests frame for a 3333B D22 with 2 sets luggage doors)	1"	04-Jan-09	Signed WWW. Drawn on paper.
C008	C		1711	H		48' 6" Carriage Underframe - frame H (footstep spacing suggests frame for a 33B D29)	1	04-Jan-09	Signed WWW. Drawn on paper.
C008	C		1711	A		48' 6" Carriage Underframe - frame (footstep spacing suggests frame for a 3333B D22 with 2 sets luggage doors)	1"	11 January 1909 (stamped)	Blueprint
C008	C		1712			Wrought Iron Buffer, 1' 0" diameter head	F/s	06-Jan-09	Signed WWW
C008	C		1713			Heavy Goods Brake: bearing spring (12 leaves, 4' 9" between eyelets)	H/s	06-Jan-09	Signed WWW
C008	C		1714			Solid steel bogies wheels 49' 2" stock	F/s	13-Jan-09	
C008	C		1716			Goods Brake: weights fixed within and below underframe			
C008	C		1719		8	Bogie lavatory carriages		24-Feb-09	Shows Ds 24/25/28/23/30/31/32
C008	C		1720			Diagram of bogie carriages		28-Sep-08	
C008	C		1722		8	Bogie lavatory composite - roof wiring diagram superimposed	1.5"/1'	03-May-24	Daigram 24 plan

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C008	C		1723	A		Carriage journal bearings 8"x 33/4"		05-Apr-09	Revised April 1932
C008	C		1724			SECR Loading gauge with NSR horse box inset	1.5"	19-Apr-09	
C008	C		1726			LMVR brake rod transporter	F/s	27-Apr-09	
C008	C		1728			Wheel for LMVR transport car	F/s		
C008	C		1729		4	Middle spring for 29 foot coaches	3" and f/s		Marked "cancelled"
C008	C		1735			Arrangement showing Heating Pipes and Connections for 8 compt third class and 2 compt third class brake carriages	1"	N/d	Signed by Adams. Shows pipe layout on 48' 6" frame
C008	C		1736			Arrangement showing Heating Pipes and Connections for 7 compt composite and 4 compt third class brake carriages (bogie 49')	1"	N/d	Shows pipe layout on 48' 6" frame
C008	C		1738	&1739	1	Bearing with white metal insert	F/s	03-Mar-10	See 2086/2087 for up to date
C009	C		1742		9	Parcel Cart (covered)	1.5"	N/d	General Arrangement of horsedrawn van
C009	C		1744			Steam Heating Pipes and Connections, 7compt lavatory third class carriage	1"	29-Mar-10	Signed WWW. Shows pipe layout on 48' 6" frame
C009	C		1745			10 ton wagon cast steel axlebox 8' x 3 3/4"			Other drawings referenced 1637, 2086, 1856
C009	C		1746			15 ton wagon axlebox, 9"x4.5" journal	F/s	10-Apr-10	Initialled WWW. "NSR" on face of axlebox has been erased and "LMS" substituted.
C009	C		1747			Quarry tip wagon wheel and axle	H/s	18-Apr-10	
C009	C		1748			Steam Heating Pipes and Connections for Saloons, numbers 45 and 290, and for numbers 143 and 150	1"	08-May-10	Signed WWW
C009	C		1749			Steam Heating Pipes and Connections, composite carriages numbers 211 and 226	1"	10-May-10	Signed WWW
C009	C		1750		2	Steam heater	full		
C009	C		1751		1	Caps for lurry arms	F/s		
C009	C		1752			Steel casting (axlebox slipper)			signed 7/07/10 WWW, note says bogie
C009	C		1753		1	Wagon journal bearing 8"x 33/4"	f/s	07-Jul-10	Pattern No 536
C009	C		1754			Third Class Carriages		N/d	Illustrations of 4, 6 wheel and bogie 3rd class carriages. C1906?

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C009	C		1756		3	Carriage wheel and axle Mansell's bonded	H/s	26-Sep-10	
C009	C		1758			Wheel profile	F/s	10-Oct-10	
C009	C		1759		12/9	15 ton coal wagon	1.5"/1'	01-Nov-10	Initialed WWW, 7plank wagon
C009	C		1760			Milk Van - underframe	1.5"	N/d	6 wheel underframe
C009	C		1761		12	Brake blocs, buffer guides, 15 ton coal wagon	full	05-Nov-10	WWW, see Dg 2123 for buffer cylinder
C009	C		1762			Drawbar "for wagons built out before 1913"		07-Oct-10	Signed WWW
C009	C		1763			15 ton Coal Wagon: ironwork (including brakelever guide, W iron, diagonal strapping, vee hanger, drawbar plates, door banger plate and horse hook)		06-Nov-10	Signed WWW
C009	C		1765			Milk Van - body	1"	N/d	10' wheelbase, 3 plank side door, diagonal strapping
C009	C		1766			Milk Van - body	1.5"		Side and plan elevation; inside sliding doors
C009	C		1767			Milkvan ironwork details	H/s		
C009	C		1768		14	Milkvan iron castings	F/s		
C010	C		1770			Milkvan auto vacuum brake arrangement	1.5"		For 6 wheel milkvan-shows underframe
C010	C		1771		14	Milkvan details – door runner?	F/s		
C010	C		1773			Milkvan details fittings including axleguard and tierods	3"		
C010	C		1774			Milk van ironwork details	F/s and h/s		
C010	C		1776			Steam heaters and brackets	full		Steam heating apparatus for carriages
C010	C		1779		8	Train composition plan		29-Oct-10	
C010	C		1781			Steam Heating Pipes - frame D	1"	N/d	Shows pipe layout on 48' 6" frame
C010	C		1782			Steam Heating Pipes, frames A, B and C (48' 6" long)	1"	N/d	(does not state carriage type)
C010	C		1785			15 Ton rail or timber wagon	1.5"/1'	02-Apr-11	Six wheel with radial truck - not built
C010	C		1786			15 ton Rail or Timber Wagon, ironwork (including bolster pins, chains and shackles, W irons, side knees, horse hook, washer plates and lashing rings)			
C010	C		1787			15 ton Rail or Timber Wagon, drawbar	F/s	N/d	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C010	C		1787			Diagram showing max height and width of carriage stock when tyres and axles are new	1"/1'	29 July 1898	L Longbottom signed, NSR C&W
C010	C		1789			15 ton Rail or Timber Wagon, buffer (1' 1" diameter head)			for wagons built by Cravens
C010	C		1790			Silk Van	1.5"	13-Jun-11	
C010	C		1791			Silk van coupling hook	f/s and h/s		
C010	C		1792			Silk Van, various ironwork including angleguard and truss tierods, bracing, buffers (1' dia), screw couplings	3", h/s & f/s		
C010	C		1793			Silk Van, brakegear components including lever, guard, safety brackets, brakebeam, etc	3"		
C010	C		1794			Covered Goods and Silk Van, various ironwork including side knees, corner plates, door fastener	3", h/s & f/s		
C010	C		1795			Silk Van: sections through corner and headstock	H/s		
C010	C		1796		8?	Train composition plan		30-Jun-11	
C010	C		1796			Mail axle bush	F/s		
C010	C		1797			Silk van bearing spring, 8 leaves, 5' 0" when straight	H/s		
C010	C		1798		13	Silk van, (buffers & brake blocks)	full, 1/4		Initialled WWW
C011	C		1801			Covered Goods and Silk Van: arrangement of doors, strap hinges and fittings	H/s		
C011	C		1803			Silk Van 1'1" diameter spindle buffer with rubber springs, Alfred G Spencer's patent 364	H/s		
C011	C		1805	A		15 ton Boiler Truck: diagram (showing 4' radius curve cut into bolsters)	1" approx	Apr-18	
C011	C		1805		9	Rail or timber truck 15 tons	--		(shows body arrangement only)
C011	C		1806			Goods Brake: ironwork (includes lamp brackets, W irons, buffer, drawbar spring, drawhook and links)	3" & h/s		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C011	C		1807			Goods Brake: iron fittings (including brake beam, pullrods, brake screw, sandbox, handrails, partition door fasteners and lock, door hinges and coat hooks)		06-Oct-11	Signed WWW. Later stencilled "Cravens"
C011	C		1808			Goods Brake: cast iron weights, types A to M (fit in drawing 1716)		10-Nov-11	Signed WWW
C011	C		1809			Goods Brake: guards door and sections through side muntin, through sidelight, plan, side elevation and section through door	H/s	N/d	
C011	C	3	1810			Electric lighting of trains, Wolverton system adapter terminals & cleats used on type AR regulator and independant lamp resisance	full	Jan-28	
C011	C		1810			Pins for lurry brake work	F/s		
C011	C		1810			Details of ironwork for front brakes	--		
C011	C		1811			Arrangement of brake for light lurry	1.5"		
C011	C		1812			Covered Goods Wagon	1.5"	N/d	9'6" wheelbase
C011	C		1812			Covered Goods Wagon	1.5"	25-Nov-11	10' wheelbase
C011	C		1813			Goods Brake: small fitting (unlabelled)			
C011	C		1815			Covered Goods Wagon, ironwork: W irons, buffers, drawbar hook and protector	3" & f/s	25-Nov-11	Initialled WWW
C011	C		1817			Steam Heating Pipes, Body Bolts and Step, for frame (48' 6" long)	1"	N/d	(does not state carriage type)
C011	C		1818			10 ton Wagon: details of brakework (including brake lever, push rod, brake lever guard, vee hanger, ferrule to vee hanger, block bracket, block link, tumbler, brake block and safety bracket)	H/s & f/s		
C011	C		1819			Covered Goods Wagon: sections through corner and headstock	H/s	07-Dec-11	Initialled WWW
C011	C		1820			Train composition plan		?	
C011	C		1821			Parcel Van Details	H/s	30-Jul-15	Signed ES
C011	C		1822			Parcel Van Details	H/s	N/d	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C011	C		1824			Axle arm and madras nave	F/s		
C011	C		1825			Light lurry wheel	F/s		
C011	C		1828			Steel channel for headstocks, 35' and bogie		06-Mar-12	
C011	C		1829			10 ton Wagon: details of ironwork (including solebar plate, sill plates, brace plates, door hinge, inside washer plates, washer and door stud plates	1.5", 3" & h/s	N/d	
C012	C		1830			Buffer guide	F/s	12-Oct-18	
C012	C		1831			Springs for Parcel Van, front and back	F/s	05-Jan-12	Signed WWW
C012	C		1832		9	Body buffer and drawbar rubbers	F/s		
C012	C		1833			Body buffer and drawbar rubbers	F/s		
C012	C		1834			Details of ironwork for light lurry	F/s		
C012	C		1835			Details of ironwork for light lurry	3" and f/s		
C012	C		1836			Loose bolsters and gorm tree for light lurry	3"		
C012	C		1838			Wagon: details of ironwork (including W irons, buffers, etc)	3"	N/d	
C012	C		1839			Milk truck	--		NSR Stoke works but lettered LMS
C012	C		1840		9	Quarry tip wagon	--		Body of wagon
C012	C		1841		9	Details of ironwork for tip wagon	H/s		
C012	C		1844			Detail of Truss Iron Work for Rail Truck	H/s	N/d	
C012	C		1845			Covered Goods Wagon: section of cornice, door catches and Stones patent hinges	H/s		
C012	C		1846			15 ton Rail or Timber Wagon - general arrangement	1"	01-Oct-12	Signed WWW
C012	C		1849			Sack platform and crate trucks	3"		Marked-cancelled see 2279
C012	C		1851			15ton limestone wagon ironwork details	H/s and f/s		
C012	C		1852			15ton limestone wagon details	H/s and 3"		
C012	C		1857			15 ton Limestone Wagon	1.5"		10' wheelbase
C012	C		1858			Details of ironwork for limestone wagon	3"		
C012	C		1859			Iron castings	full		pulley wheels, brake blocks for road lurry

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C012	C		1860			Bogie underframe, body stops and lamp brackets, frame O	F/s		
C012	C		1861		9	Iron castings, finished sizes	half/full		D1861 buffer guides, shop fittings
C012	C		1862		9	Stove pot castings, finished sizes	half/full		for guard's van
C012	C		1863			Cattle Wagon with removable partition			
C012	C		1864			Ironstone wagon ironwork details	H/s and f/s		
C012	C		1866			10 ton Wagon (solebar and middle bearer joint, floor, etc)	H/s	27-Jun-12	Signed WWW
C012	C		1867			10 ton Wagon (solebar and headstock joint)		27-Jun-12	Signed WWW
C012	C		1868			15 ton hopper wagon plan with curb rail and headstock liner removed	H/s		
C012	C		1869			Lurry madras nave	F/s		
C013	C		1871			Cattle Truck, moveable partition details of ironwork	F/s		
C013	C		1873		1	10 ton wagon axlebox	F/s		Marked not used
C013	C		1876			Train composition plan		Jun-12	
C013	C		1878			Crank Axle Arms for Parcel Vans	F/s	N/d	
C013	C		1879	a		29' carriage springs	3" and f/s		
C013	C		1879			Milkvan end springs	3"	10-Jan-21	
C013	C		1880			Cattle Wagon. "Brake on each side of wagon, levers to be cross-cornered" Provision for vacuum through pipe, but three-link couplings	1.5"	NSR	18'3" x 8'0" over body, 7'0" height inside, 10'0" wheelbase
C013	C		1881			Standard light lurry cap and nut spanner	F/s		
C013	C		1883			Details of ironwork for boards for luries	H/s and f/s		
C013	C		1884			Bottom door fastening bracket	F/s		
C013	C		1885			Wheel	F/s		
C013	C		1886			Cattle Wagon: corner and headstock	H/s	NSR	18'3" x 8'0" over body
C013	C		1887			15 Ton Rail Wagon: ironwork details (including solebar plate, end stanchions, corner plates, buffer rod and head 1' 1" diameter, crossbar truss rod, drawbar cradle, tierods, etc)			

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C013	C		1888			15 ton Rail Wagon: brakework details (includes vee hanger, block hanger bracket, brake tumbler, push rod, brake lever, etc) "for other brakework details see drawing 1887"	3", h/s & f/s	01-Oct-12	Signed WWW
C013	C		1889			15 ton Rail Wagon: headstock corner	H/s	N/d	Signed WWW
C013	C		1890			Madras nave front and cap	F/s		
C013	C		1891			Section of tyre of milk van	F/s	14-Oct-12	
C013	C		1892			Rail Wagon: crossbar and solebar joint	H/s	N/d	
C013	C		1893		5	15 ton wagon bearing spring	H/s		Signed WWW. "working strength 5 tons"
C013	C		1894			Standard light lurry	2"		General arrangement
C013	C		1895			15 ton Rail or Timber Wagon: trussing, wrought iron	3"	N/d	Signed WWW
C013	C		1896			Buffer: 1' 1" diameter head, 15 ton Rail or Timber Truck	H/s	13-Nov-12	Signed WWW
C013	C		1897			Steam heating coupling	F/s	04-Dec-12	
C013	C		1898		9	Arrangement of Underframe for Horseboxes	1.5"	N/d	Signed ES. "For details of ironwork see dwg nos 1899, 1905 and 1907". GA of underframe.
C013	C		1899			Details of Brake ironwork for Horseboxes	3"	N/d	
C013	C		1899			Details of Brake ironwork for Horseboxes	3"	N/d	
C014	C		1902		2	Axleguard	full		finished sizes
C014	C		1904			Wagon Drawbar Hook	F/s		
C014	C		1905			Details of Ironwork for Horsebox Underframe	3"	N/d	Includes axleguards
C014	C		1906			Bearing shoe spring	full	12-Nov-13	WWW, Pattern 1038
C014	C		1907			Horsebox Underframe, details of ironwork	3", h/s and f/s	N/d	
C014	C		1908			10 ton Wagon: corner plates and sheeting plate		N/d	
C014	C		1911			10 ton Wagon	1.5"	01-Jan-13	
C014	C		1912			10 ton Wagon (8' 0" x 17' 11"): (solebar and headstock joint)		14-Feb-13	Signed WWW
C014	C		1913			10 ton Wagon (8' 0" x 17' 11"): (solebar and middle bearer joint, floor, etc)	H/s		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C014	C		1914			10 ton wagon, coupling hook	f/s	15-Feb-18	
C014	C		1914			Crank axles for glass cases	F/s	27-Jun-00	
C014	C		1915			Steam pipe detail for Horsebox	H/s	N/d	
C014	C		1916			10 ton Wagon (17'11" x 8' 0"): ironwork (including W irons, buffers, tierods, horse hook, cradle plate, cradle washer, end inside sheeting plate, Williams patent rope ring, top capping, steel end stanchion, cross truss rod and drawbar plate)	3"	20-Feb-13	Signed WWW
C014	C		1917			Horsebox body details	3" and h/s	N/d	
C014	C		1918			Horsebox Body Details, steps, handrails/lampirons	3"	N/d	
C014	C		1919			Locking Apparatus for Horsebox Luggage Doors	3" and f/s	07-Mar-13	
C014	C		1920			Single and Twin Timber Wagon Bolster (including whole bolster and shackles)	3"	13-Mar-13	Signed WWW
C014	C		1921			Double Bolster Timber Wagon: bolster	3"	13-Mar-13	
C014	C		1922		7	Brake block refill	full		
C014	C		1924			GA of underframe for bogie carriages	3"		Brake gear obsolete see D216, WWW
C014	C		1927			Motor lurry tail door	half		
C014	C		1928			Motor lurry body arrangement			
C015	C		1931			Motor lurry ironwork details	quater/full		links & plates
C015	C		1932			15 ton Coal Wagon	1.5"	N/d	6 wheel, side and plan elevation. To carry 60 milk cans
C015	C		1933			4 wheel parcel barrow	3"		NSR Stoke works but lettered LMS Stone
C015	C		1934			Details of ironwork for 4 wheel parcel barrow	H/s and 3"		
C015	C		1935			4 wheel parcel barrow wheels	F/s		
C015	C		1936		1	Oil axlebox 10 ton wagon	F/s		Marked not made
C015	C		1937		4	Twin timber truck	1.5"/1'?	28-Jul-13	
C015	C		1939		6	Parcel rack, Guard's seat	quater	05-Sep-13	Initialed WWW, expanded metal rack

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C015	C		1940			Twin Bolster Truck and Single Bolster Truck Details (bolster including side pins, shackles and rubbing plates)	H/s	Stamped 16 November 1900, 9 January 1915,	"Checked and corrected November 1928". Initialed ES
C015	C		1941			Motor lurry details of ironwork	half/full		corner plates & capping
C015	C		1943			Platform truck wheel	--		
C015	C		1944			General Arrangement of Parcel Van	1.5"	N/d	General Arrangement of horsedrawn van
C015	C		1945			Back Wheel of Parcel Van class B	F/s	N/d	
C015	C		1946			Horse box GA	1.5"/1'		Detail of interior.
C015	C		1946			Train composition plan		14-Oct-13	Initialed WWW
C015	C		1947			Horse box GA	1.5"/1'		Frame and side view GA
C015	C		1947			Parcel Van class B, details of ironwork	3" and h/s	N/d	
C015	C		1948			Motor lurry hood, ironwork details			
C015	C		1949			Parcel Van class B, front wheel	F/s	N/d	
C015	C		1950			Axe for emergency outfit	F/s		
C015	C		1951			Diagram Q first Class Lav	1'/1"		Initialed ES, plan diagram 37
C015	C		1952			Motor lurry, details of ironwork	full		
C015	C		1953			Arrangement of Steam heating Pipes, Body Bolts and Step, for first class lavatory carriage - frame Q (48' 6" long)	1"	17-Nov-13	Signed WWW. Note: "First class underframe to be sheeted with 0.5" boarding for mattress"
C015	C		1955			Brake screw and nut for timber drug	--		
C015	C		1956		6	Timber truck 14'x8'	1.5"/1'	26-Nov-13	Initialed WWW, single bolster
C015	C		1957			Motor lurry showing cape cart hood		14-Oct-13	NSR C&W
C015	C		1958			Safety Loop for Tumbler End of Brake Push Rod			
C016	C		1960			Ascending step to suit Spencer's double buffers for bogie underframe	F/s	04-Dec-13	
C016	C		1961			Motor lurry details and setting out diagram	quarter		Step irons and part GA
C016	C		1962		7	Brake shaft	full	20-Dec-13	Initialed ES
C016	C		1965			Hand cart ironwork details	H/s and f/s		
C016	C		1966		8	Proposed car for working with small loco as motor	3/8"/1'	26-Jan-14	initialed WWW
C016	C		1967		6	Timber truck 16'x8'	1.5"/1'		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C016	C		1970			Wagon Buffer: (self contained type 1' 6" in length, 1' 0" diameter head)	F/s	12-Feb-14	Signed WWW
C016	C		1971			Valve seating tool for motor lurry	full	14-Feb-14	
C016	C		1972			Wagon axlebox, grease type, "NSRy 1907" cast into front face, 536 pattern		11-Jan-07	Initialed "WWW"
C016	C		1973			Train composition plan		02-Mar-14	
C016	C		1974			Breakdown van	1"/1'	25-Mar-14	
C016	C		1977			Autobrake arrangement, breakdown van	1"/1'	26-Apr-14	Initialed ES, shows brake gear
C016	C		1978			1 Ton Parcel Cart		N/d	General Arrangement of horsedrawn cart
C016	C		1979			Door for breakdown van	half	22-Apr-14	Crew door with droplight, initialed ES
C016	C		1980			Brake swinging bracket, bogies	F/s	23-Apr-14	
C016	C		1981			Breakdown van details	half	24-Apr-14	Ironwork for brake gear, initialed ES
C016	C		1982			Double buffers carriages	H/s	28-Apr-14	Initialed WWW
C016	C		1984			Wheel	F/s	15-May-14	
C016	C		1986			Brake swinging bracket, wood frame	full	May-14	
C016	C		1988			Two wheeled Parcel Cart, details of ironwork	H/s	25-Jul-11	Signed ES
C016	C		1989			Breakdown van interior fittings		06-Jun-14	Initialed ES, sliding door and runners
C016	C		1990			Special brake details for milk truck	--		
C016	C		1991			Parcel Cart, 2 wheeler, ironwork	F/s	01-Jul-14	Signed ES
C016	C		1992		1	10 ton axlebox pattern 630	F/s		Marked not used
C016	C		1993			10 ton axlebox 6'6"x 8" x 3 3/4"	full size		Signed JB, drawing shows 1914 date on box
C016	C		1994			Train composition plan		08-Sep-14	
C016	C		1995			Tub for Mud Cart	3" and f/s	11-Sep-14	Signed ES
C016	C		1996			Castings for Mud Cart	3" and f/s	14-Sep-14	Signed ES
C016	C		1997			Timber drug	--		
C016	C		1998			Timber drug	--	17-Sep-14	
C016	C		1999			Mud Cart	3"	18-Sep-14	Signed ES
C017	C		2000			Mud Cart Details	3" and f/s	09-Oct-14	Signed ES
C017	C		2002	R		Arrangement of Steam Heating Pipes, Body Bolts and Steps - frame R for first/third composite carriage (48'6" long)	1"	Illegible	original drawing 2002R. Metropolitan C&W Blueprint (paper)

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C017	C		2002			Steam Heating Pipes, Body Bolts and Steps - frame R, Lavatory Composite (48' 6" long)	1"	24-Oct-14	Signed WWW. Noted: "correct May 1919"
C017	C		2003			Quarry tip wagon		30-Oct-14	initialed by E Saunders. Av tare + 1.25.
C017	C		2004			Ambulance stretcher	--		
C017	C		2006			Goods Brake: door hinge for interior compartment (1' 6" strap hinge and pins)	F/s	20-Nov-14	Signed ES
C017	C		2007			Mud Cart Details	F/s	24-Nov-14	Signed ES
C017	C		2008		18	Coach roof panels	--	25-Nov-14	
C017	C		2009			Contour of carriage roof	1.5" and f/s		
C017	C		2011			Milk van cylinder fittings	H/s	15-Dec-14	
C017	C		2011		5	Drawbar hook, carriage stock	full		shows hook with safety chains
C017	C		2013			Quarry tip wagon tip bracket	F/s		
C017	C		2014			Axle bearing LMVR goods wagon	F/s		
C017	C		2015			Quarry tip wagon pedestal	F/s		
C017	C		2016			Steel casting LMVR covered goods and open wagon		26-Jan-15	Initialed WWW. Axlebox
C017	C		2017			Quarry tip wagon body ironwork	--		Cancelled see 2128
C017	C		2018			Bogie pin for LMVR wagon	F/s		
C017	C		2019			Quarry tip wagon break tumbler	H/s		
C017	C		2021		9	Wagon sheet supports			3 types
C017	C		2022			Quarry tip wagon ironwork details	--		
C017	C		2024			Patent "Instanter" Wagon Coupling	F/s	09-Mar-15	
C017	C		2026			Goods Brake: brake details (including pulling rods, adjusting rods for brake beam, brake lever and swinging link)	F/s	25-Mar-15	Signed ES
C017	C		2027			11/2"x45" steam cock, rubber hose pipe fitted with universal coupling fo coaches	F/s and h/s	31-May-15	Initialed WWW
C017	C		2028			Section through light, 3rd class carriage	F/s		
C017	C		2028			Section of 3rd class carriage through light	--		
C018	C		2030		7	Wagon brake block, pattern no 617			Initialed WWW
C018	C		2030		7	Wagon brake block, pattern 617	full	28-Jun-15	CI casting
C018	C		2032		7	Goods brake block pattern 816	full	29-Jun-15	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C018	C		2034	A		Carriage washing brush	F/s		
C018	C		2035		8?	Passenger communication details	full	09-Jul-15	initialed WWW, Details of chain and telltale
C018	C		2036			Light lurry shaft	--		
C018	C		2036			Light lurry shaft 8' 3" long	--		
C018	C		2036		8	Passenger Communication	1"		(shows side elevation & section of 28' 6" six wheel 3rd class carriage)
C018	C		2038			Heavy Lurry shaft	--		
C018	C		2038			Heavy lurry shaft 8' 3" long	--		
C018	C		2040			Proposed directors saloon		22-Jul-15	
C018	C		2044		6	Pattern, buffer guide		23-Sep-15	
C018	C		2045		9	LMVR carriage break block hanger bracket	H/s		
C018	C		2046			Coupling pole tester	1.5"	12-Oct-15	Copy of LYR Drawing 4653
C018	C		2051			Axle for Float	H/s	10-Dec-15	Signed WWW
C018	C		2055			Milkvan brake arrangements	F/s	21-Jan-16	
C018	C		2056			Motor lurry seat	quater	14-Feb-16	
C018	C		2057			Motor Lurry details	half	18-Feb-16	Initialed ES, tool boxes & boards
C018	C		2058			Motor lurry details	quater	24-Feb-16	
C018	C		2059			Snow chain, motor lurry	full	03-Mar-16	
C018	C		2060			Maximum dimensions of coaching stock	1.5"	07-Mar-16	
C018	C		2061			NSR loading gauge with MR coach inset	--	26-Mar-16	
C018	C		2062			Brake Arrangement Milk Van	1"=1Foot	7 April 1916	
C018	C		2065			Metallic fittings for carriages	full	03-May-16	Initialed ES & WWW, locks & handles
C018	C		2066			Metalic fittings for carriages		06-May-16	Initialed ES and WWW, Parcel rack and glass holder
C018	C	W	2067			Metallic fittings for carriages	full	12-May-16	Initialed ES & WWW, Lock, ash holders and plates
C018	C		2068			Metallic fittings for carriages	full	22-May-16	initialed ES & WWW, handles & plates
C018	C		2069			Cross sections bogie carriages	1.5"/1'	06-Jul-16	Initialled ES & WWW
C019	C		2070		10	15ton hopper wagon GA, 6pl, 8' 7.75" high	1.5"	09-Nov-16	
C019	C		2071			Milk van brake details	3"	20-Jul-16	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C019	C		2073			Wrought Iron Buffer, 1' 1" diameter head, "railtruck, finished drawing 1896"	H/s	25-Sep-16	Signed WWW
C019	C		2074			Quarry tip wagon axle	3"	26-Jul-16	
C019	C		2075			Screw coupling for wagon stock	H/s	24-Jan-17	Initialed ES and WWW
C019	C		2075			Split-spoke wagon wheel	F/s and h/s		Sgd J A Adams
C019	C		2076			Sections of 1st and 3rd Class lavatory stock			Semi elliptical roof stock
C019	C		2080			Starting handle bracket for motor lurry (brass)	full	18-May-16	WWW
C019	C		2082			Boiler Truck: ironwork (including bolster pins and side knees)		05-Nov-16	Signed WWW
C019	C		2082			Steel castings, 35' underframe, R frame dampers	full		Patterns 831, 833
C019	C		2083			Hopper wagon detail fittings	H/s and 3"		
C019	C		2084		12	Hopper wagon corner plate	--		For 6pl hopper wagon
C019	C		2085			Plate glass mirror	F/s		
C019	C		2086			NSR 10 Ton Bearing		26 March 1917	
C019	C		2087			NSR 15 Ton Bearing	Full size	No date	
C019	C		2088			Bars for Wagon Couplings (length of 1.5" diameter steel from which links were made)	H/s & f/s	Stamped 21 April 1917, 20 September 1917	Signed WWW
C019	C		2089			Buffer cylinder	full		
C019	C		2090			Springs, motor lurry	full		
C019	C		2091			Maximum dimensions of present standard carriages	¼" and ½"		
C019	C		2092			Cross section of present standard carriage with ordinary compartments	1.5"		
C019	C		2094			Parcel Rack, third class compartment	?		Expanded metal rack
C019	C		2096		3	Wheel and axle for bogie carriages	F/s and 3"		
C019	C		2097			Flexible shaft for motor lurry (Halley)		12-Nov-17	WWW
C019	C		2098			Wheel and axle for carriages	F/s and 3"		
C019	C		2099			Spring plate motor lurry		26-Nov-17	WWW
C020	C		2100		18	NSR Loading gauge			
C020	C		2101			Bolster for 31' 0" Boiler Truck	3"	21-Mar-18	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C020	C		2102			15 ton Wagon Drawbar Arrangement	3"	25-Mar-18	
C020	C		2103		4	18" Hardy cylinder	half		Vacuum cylinder
C020	C		2104			L&MVR Transport Car for Milk Vans	Half size	No date	
C020	C		2105			Bars for Wagon Couplings, "Instantor" (length of steel from which links were made)	H/s & f/s	12-Sep-18	Signed WWW
C020	C		2107			29' Milkvan altered brake gear		02-Jan-19	
C020	C		2108			10 ton wagon axle	half		Initialed WWW
C020	C		2109			Bogie castings (spares)		31-Jan-19	Signed WWW, bolster rubbing plate/horn blocks
C020	C		2110		3	Forged steel buffer guide	full	16-Feb-19	WWW, from Cox & Danks drwg.
C020	C		2112		3	12 ton implement wagon wheel	half/full		
C020	C		2114			Splicing of bottom side and cantrail, third class brake carriage	H/s	12-May-19	
C020	C		2115			Implement wagon, brake gear	half size and 3"/1'		Traced from MR Dg 3824 HHH 12/5/19
C020	C		2116			12 Ton implement wagon, shackle for springs			May 16th 1919, signed JB
C020	C		2118			12 Ton implement wagon, spring			Signed JB, no date
C020	C		2120			Flooring for luggage compartment	1.5" and h/s		
C020	C		2121			3rd class carriage door	F/s		Cross section
C020	C		2122			Cart and Lurry Shafts (Lancewood and Hickory)	3"	N/d	
C020	C		2123		8	Buffer guides, 10 Ton wagon	full		
C020	C		2124			Guard's door handrail	half?		
C020	C		2125			Implement wagon, bracket			
C020	C		2126			Net Rod bracket			Luggage racks, 2nd & 3rd Class
C020	C		2127			Implement wagon, drawhook	full size		signed JB 26/8/19
C020	C		2128			Quarry tip wagon detail fittings	F/s		
C020	C		2129			Runway in saw mill	¼"		
C021	C		2130			Bracket for runway in sawmill	3"		
C021	C		2131			Implement wagon, brake block	full size		
C021	C		2132			Saw for emergency boxes	F/s		
C021	C		2133			10 ton Wagon: (solebar and middle bearer joint)		28-Oct-19	Signed WWW
C021	C		2135			Carriage with radial truck, ironwork		08-Dec-19	
C021	C		2136			Quarry tip wagons	--	22-Dec-19	GA of wagon

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C021	C		2143			LMVR transportation car details	3" and f/s		
C021	C		2144			Axleguard stay, implement wagon			Signed WWW
C021	C		2146			Rubbing pad	full	18-Jan-26	WWW, finished size - radial truck
C021	C		2153			Runway wagon shop	½"		
C021	C		2154			Headstock, implement wagon	half size		
C021	C		2155			Runway new wagon shop	½"		
C021	C		2156			Brackets for runway in wagon shop	2"		
C021	C		2157			Brackets for new runway in wagon shop	2"		
C021	C		2158			Pulleys for A.E.Co Speedometer	full		
C021	C		2159			Brackets and plates for new runway in wagon shop	2"		
C021	C		2162			headstock, implement wagon	3"/1'		
C021	C		2162			Tyre sections coach wheels	F/s		
C021	C		2164			Screw coupling for coaches	F/s		
C021	C		2165			Wheel & axle, 12 ton wagon	full, half	30-Mar-20	
C021	C		2167			Implement wagon, spring detail			
C021	C		2167			25 ton trolley wagon bogie	3"		
C021	C		2168		5	Light goods break bearing spring, 13 leaves, 4' 0" when straight	H/s		
C021	C		2169			Ambulance stretcher	--	06-May-20	
C021	C		2170			Quadrant Bearer and Circular Headstock (oak sections)	H/s	14-May-20	Signed WWW
C021	C		2171			10-15Ton axlebox front and back	full size		Signed WWW 17/5/20. Note: supercedes 1856. Please return to programme office, LMS label
C021	C		2172			Drawbars for Wagon Stock, four types, "see also NS 2172 for carriage drawbars"	3"	12-Dec-21	Originally 2172A, altered to 2172B on 30 June 1938
C021	C		2172			Drawbars for Coaching Stock, six types, "for wagon stock see NS 2172B"	3"		
C021	C		2173			Proposed seating with three ply perforated boarding 3rd class	--		
C021	C		2174			30 ton trolley wagon framing details	H/s		
C022	C		2175			30 ton trolley wagon bogie centre and framing details	H/s		
C022	C		2175	A		30 ton trolley wagon framing details	H/s		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C022	C		2176			30 ton trolley wagon drawbar and intermediate drop bar	H/s		
C022	C		2177			30 ton trolley wagon detail plan and side view	3"		
C022	C		2178			30 ton trolley wagon wheel and axle	3" and f/s		
C022	C		2179			30 ton trolley wagon cast steel axlebox	F/s		
C022	C		2180			Trolley wagon side and end view			
C022	C		2181			30 ton trolley wagon details	--		
C022	C		2182			30 ton trolley wagon buffer spring	H/s		
C022	C		2183			30 ton trolley wagon brake details	F/s		
C022	C		2184			30 ton trolley wagon brake arrangement	H/s		
C022	C		2185			30 ton trolley wagon brake details	H/s		
C022	C		2187			Roof panels	F/s		
C022	C		2188		17	Buffer for bogie carriages			For renewal use LNW BF6, WHFB 29/12/1927
C022	C		2189		17	Buffer for bogie carriages			Note for renewals use LNW BF6 WB 29/12/27
C022	C		2190			Buffer for bogie carriages	half		Note for renewal use LNW BF6, WHFB 29/12/1927
C022	C		2191		17	Single and twin timber wagon bolster	H/s and 3"		(bolster and fittings)
C022	C		2194		6	Lifting rod for rolling rubber vacuume cylinder	full		
C022	C		2195			Proposed trailer for steam roller	3"		
C022	C		2196	A		Drawbar plates for steam roller trailer	----		
C022	C		2196			Iron details for steam roller trailer	H/s and f/s		
C022	C		2196	B		Details for steam roller trailer	--		
C022	C		2197			25 ton well truck framing details	H/s		
C022	C		2198			25 ton well truck general arrangement	1"	22-Dec-20	
C022	C		2199			25 ton well truck drawbar and buffer arrangement	3"		
C023	C		2129	a		Implement wagon GA			Stoke Drawing signed JB
C023	C		2200		17	Engineers' ballast brake van	1"/1'		GA of ballast brake
C023	C		2201			LMVR carriage drawgear and buffing gear	3"	10-Jan-21	
C023	C		2203			Gauges for LMVR rolling stock wheels	H/s ?		LMS

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C023	C		2204			L&MVLR Composite & Third Class Carriages: bogies, side plan and end section	2"		
C023	C		2205			L&MVLR Underframe and bogie brake equipment	0.75"		
C023	C		2206		14	Milkvan door arrangement	F/s and h/s		
C023	C		2208			25 ton and 30 ton trolley wagon spring arrangements	F/s		
C023	C		2209		14	Door roller for milk van	full		8 to a set, CI roller
C023	C		2212		1	Axlebox dust sheild, papier mache	half size		
C023	C		2213		3	Coach wheel and axle	H/s	10-Mar-21	Supercedes 1641 but not issued
C023	C		2214			25 ton well truck and 30 ton trolley wagon buffer guide	F/s	10-Mar-26	
C023	C		2215		14	Milkvan underframe details including hornblocks and other iron fittings	--		
C023	C		2216			Arrangement of bogie, 48'6" underframe	3"	22-Nov-21	Bogie GA
C023	C		2218			25 ton well truck baulk and transom ends	3"		
C023	C		2219	A		Angle Iron for baulk and transom arrangement			
C023	C		2219			25 ton well truck baulk and transom arrangement	1"		
C023	C		2221			Axlebox bearing spring slipper for the elimination of radial trucks on 35' coaches		26-Nov-25	LMS NSS, Drawn WHB, traced CW
C023	C		2222			Duncan's patent door light lifter	H/s and f/s		Includes drawing of carriage window and ventilator
C023	C		2223			25 ton well truck trestle for carrying propellors	1"		
C023	C		2224			Crank Axle Arms for Parcel Vans	F/s	29-Oct-21	
C023	C		2225			Binding chain for 25 Ton well truck	h/s	29-Oct-21	\Initilaed WWW
C023	C		2226			Profile of wheel tread	F/s		
C023	C		2229			Ironwork details for Ford motor lurry	full	27-Mar-25	LMS NSS
C024	C		2230			GA Ford motor Lurry	1.5"/1'		
C024	C		2231			Body details, Ford motor Lurry	quater		
C024	C		2232			Trailer details, Ford motor lurry	quater/full		
C024	C		2233			Ford motor lurry changes & brackets	half/full		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C024	C		2234			Steel castings list no 1, 48'6" carriage underframe	F/s	22-Nov-19	Spring clips and washers
C024	C		2235			Steel castings sheet no 2, 48'6" carriage underframe	F/s	22-Nov-21	Superseded by dg 1550 Metropolitan drawing 18928
C024	C		2236			48'6" carriage underframe, brake details sheet No 1		22-Nov-21	Ironwork and brake block
C024	C		2237			Brake details sheet No 2, 48'6" carriage underframe		22-Nov-21	Pull rods and hand brake chain
C024	C		2238			48'6" underframe, brake details, handbrake details sheet no 1	F/s	22-Nov-21	pulleys, links, spindle
C024	C		2239			48'6" underframe, brake details, handbrake details sheet no 2	F/s	22-Nov-21	Brake shaft rod, pins, superseded 2025A, 1625, 1554, 2047
C024	C		2240			48'6" carriage underframe details		22-Nov-21	Drawhooks and side chains
C024	C		2241			48'6" Carriage underframe ironwork details	F/s and 3"	22-Jan-21	truss roads & buffers
C024	C		2242			Arrangement of buffing gear and details of headstock 48'6" carriage underframe	H/s	22-Nov-21	Headstocks and double buffers, superseded by Dg 1959
C024	C		2243			48' 6" carriage underframe springs	H/s	22-Nov-21	
C024	C		2244			Centre pivots, cast steel, 48'6" underframe	F/s	22-Nov-21	superseded by Dg 1550
C024	C	C&W	2245		8	Lavatory flush valve and detail, push type	full		plunger flush mechanism
C024	C	C&W	2246			Details of pipe fitting to lavatory flush valve, push type	full		
C024	C		2247		12	6' 3" centres wheels fitted to standard 10 ton wagon	3"		
C024	C		2248			Electric light coupling between carriages	3"/1' full		
C024	C		2250			Hand cart shaft	--		
C024	C		2250			Hand cart shaft	--		
C024	C		2251			Double Bolster Timber Wagon: bolster storing arrangement (showing capping and crib rail cut away to allow bolster to be detached and let into the floor) "these details general to all trucks with swing bolsters"		N/d	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C024	C		2252			Rail unloading appliance, for twin and single truck	3"		
C024	C		2253			LMVR bogie center plates goods wagon			
C024	C		2254		2	Arrangement of automatic steam heater with passenger control	3"/1'		LMS NSS C&W
C024	C		2257			Diagram showing rolling stock that comes within 2 " of the loading gauge	3"		
C024	C		2258		6	Pedestal for 26 cwt tip wagon	F/s	19-Jun-23	LMS
C024	C		2259		12	Top bevel plank for wagon doors	3"	25-Jun-23	LMS
C025	C		2260		2	Arrangement of brackets for steam heating hose	half	29-Jun-23	LMS NSS C7W
C025	C		2262		12	Standard 12 ton Wagon, copied from RCH drawing 1002, April 1923		LMS	
C025	C		2271		9	Milk churn slide	¼"	15-Jan-24	LMS (NS) Section
C025	C		2272		4	Ambulance box for guards van	H/s		
C025	C		2273		8	Saloon body for engineers inspection car	1.5"/1'		GA of car body
C025	C		2274			Suspension of D Dynamos under bogie coaches, details of brackets etc.	half	05-Apr-24	
C025	C		2275		8	Arrangement of new saloon body for engineers inspection car	3"/1'	30-Jan-24	LMS NSS
C025	C		2276			Arrangement of wee waye hook and details	F/s		
C025	C		2278			Lavatory shute	--		
C025	C		2279			Suspension of Lilliput Dynamos under bogie coaches (details of ironwork)	full	16-May-24	
C025	C		2280			Alteration and stiffening of inside bogie headstocks on bogie brakes fitted with Lilliput and D dynamos		02-Jun-24	LMS NSS C&W
C025	C		2282			Arrangement of Lilliput dynamos under bogie coaches		24-Jun-24	
C025	C		2285		9	Adjustable sheet trestle for open wagons	--	29-Jul-24	LMS, Drawn by WHB
C025	C		2286			21 plate train lighting accumulator box lid	full	13-Oct-24	
C025	C		2287			Pritchard & Goulds 15 plate accumulator box lid	full		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C025	C		2288			Arrangement of D and DZ dynamo under bogie coaches	3"/1'	11-Sep-24	
C025	C		2289			20" dynamo driving axle pulley, cast iron	full	16-Oct-24	
C025	C		2290			Alteration to Top Capping on All Wagons, "for renewals supercedes all capping drawings"	3"	16-Oct-24	Drawn by WHB, traced by WHB, checked by ES
C025	C		2294			LMVR wheel and axle for transportation car	F/s and h/s		
C025	C		2296			Horn plate for radial truck, 35' coaches	3"/1'	02-Apr-25	LMS NSS C&W
C025	C		2297			Crate truck arrangement and details	3"		LMS Carriage and Wagon NS Section
C026	C		2300			Details of ironwork for D dynamos under converted underframe	half	23-Jun-25	
C026	C		2301			Details of Ironwork for suspension of D Dynamos under 35 Foot Coaches		22 July 1925	
C026	C		2304			Standard shaft chain on drays	3"		LMS
C026	C		2305			Details of Lock on Horse Box Swing Doors	Half size	3 Dec 1925	
C026	C		2306			D size, CR size, AR size dynamos	3"/1'		
C026	C		2307			General dimensions of Stones 'C' type patent train lighting dynamo	3"/1'		
C026	C		2308			ironwork details for dynamo suspension under 6 wheeled saloons		13-Jan-26	
C026	C		2309			Detail of ironwork for suspension of AR dynamos under bogie saloons		13-Jan-26	
C026	C		2310			Outline arangement end view for T35 Lilliput Dynamo	full		
C026	C		2311			Outline arrangement end views of Lilliput T50 dynamo	full	16-Oct-24	
C026	C		2312			Outline arrangement of T50 Lilliput Dynamo	Full		
C026	C		2313			Manger Trough and Lid for Horse Boxes	Full Size	No date	
C026	C		2315			Arrangement of Midland Railway Pattern Trough in Ex-NS Horse Box	3"=1Ft	20 April 1926	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C026	C		2317			10 Ton Goods Brake: details of brakework (including brakeblock hanger brackets, pushrod safety brackets, stays for block hangers, brak shaft bracket)		10 June 1926 (LMS C&W)	Drawn by CW, traced by SY, checked by WYB
C026	C		2322			L&MVLR Transportation Car - seats, 4 per car	H/s	01-May-06	Signed WWW
C026	C		2893			Castings for demountable trays for electric motor lurry	F/s		
C026	C		2894			Drum and gear wheel for electric motor lurry	F/s		
C026	C		2895			Details for Garratt chassis fitting to take demountable tray	H/s		
C026	C		2895			Details for electric lurry	3" and f/s		
C026	C		2896			Loose Tray arrangement for electric lurry	1.5"		
C026	C		2897			Details for loose tray electric lurry	F/s		
C026	C		2899			Garratt chassis fitted to take demountable tray	1.5"		
C026	C		2900			Seat hood and dashboard for electric lurry	1.5" and h/s		
C026	C		2901			Light lurry fitted up as tender for working with demountable trays	3" and 1.5"		
C026	C		2902			Details of tender for working demountable trays	3" and h/s		
C026	C		2905			Woodwork details for light lurry	F/s		
C026	C		3052			Alteration to chassis for working demountable trays	1.5"		
C026	C		3649			L&MVLR Transportation Car, alteration to hand brake	1"		Two Copies
C027	C	RCD	11078	A		Stretcher-ambulance Mk2	3"	20-Feb-06	
C027	C	RCD	11078	A		Stretcher-ambulance Mk 2	F/s and h/s	23-Jul-15	
C027	C	RCD	11079	A		Stretcher sling Mk4	H/s	29-Jul-15	
C028	C	MC	2981	6311/7861		Locking apparatus for luggage van doors	3"/1'		
C028	C	MC	3069	6311		Cross section and end view of 1/2 Composite and tricomposite lavatories	1.5"/1'		Order 7861, altered to new roof profile

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C028	C	MC	3277	6311/7861		Metallic fittings for carriages	full		door handles and stops
C028	C	MC	3969	7861		Underframe diagram, tricomposite lavatory carriage (copy)	1.5"/1'?		plan, section, end view
C028	C	MC	4389	7861		GA Diagram 28 tricomposite lavatory bogie coach			Very detailed GA
C028	C	MC	4390	7861		Cross section bogie tricomposite carriage	1.5"/1'		3rd class, luggage and corridor sections
C028	C	MC	4390	7861		Cross section bogie tricomposite carriage (copy)	1.5"/1'		3rd class, luggage and corridor sections
C028	C	MC	4391	7861		Door detail	3"/1'		Corridor & lavatory door detail
C028	C	MC	4392	7861		Bogie tricomposite carriage, body ironwork	full?		Metropolitan Saltley contractors roll. 4392/7861. Diagram 28 Carriage
C028	C	MC	4393	7861		Metallic fittings	full		Doorhinges, bag hook, shelf chains etc
C028	C	MC	4394	7861		lavatory light	half?		etched window with monogram and knot border
C028	C	MC	4395	7861		Bogie tricomposite, bottomside splice	full		Woodwork splice
C028	C	MC	4400	7861		Bogie tricomposite lavatory carriage	?		GA Diagram 28 Nos 247, 248 built 1908
C028	C	MC	4404	7861		Cross section of bogie tricomposite carriage			GA cross section of D28
C028	C	MC	4405	7861		Lavatory water tank	full, 3"/1'		For 1/2 and 3rd class lavs
C028	C	MC	4407	7861		Galvanised closet shoot	full		Shoot details
C028	C	MC	4408	7861		Bogie tricomposite lavatory carriage metallic fittings			Parcel rack etc
C028	C	MC	4409	7861		Bogie tricomposite carriage metallic fittings	full		handles & plates
C028	C	MC	4410	7861		Underframe diagram, tricomposite lavatory carriage	1.5"/1'?		plan, section, end view
C029	C	UN	60001			Electric train lighting equipment on NS section coaching stock LMS railway C&W department, Stoke			List of all electrically fitted stock
C029	C	UN	60002			Vehicles fitted with dynamos		13-Jul-26	
C029	C	UN	60003			Table of rolled steel sections used in carriages			
C029	C	UN	60004		5	Table of springs for carriage and wagon department			
C029	C	UN	60005			1924 Age of carriage stock table		31-Dec-24	LMS NSS
C029	C	UN	60006			1923 age of carriage stock table		31-Dec-23	LMS NSS

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C029	C	UN	60007			1922 age of coaching stock table		31-Dec-22	paper copy annotated with new LMS numbers
C029	C	UN	60008			1921 age of carriage stock table		31-Dec-21	
C029	C	UN	60009			1920 age of carriage stock table		31-Dec-20	
C029	C	UN	60010			1920 age of carriage stock table		31.12.20	see also 60009
C029	C	UN	60011			1919 age of coaching stock table		31-Dec-19	
C029	C	UN	60012			1919 age of carriage stock table			
C029	C	UN	60013			1918 age of coaching stock table		31-Dec-18	
C029	C	UN	60014			1917 age of coaching stock table		31-Dec-17	
C029	C	UN	60015			1916 age of coaching stock table		31-Dec-16	Note: first diagram made
C029	C	UN	60016			List of details of ironwork for breakdown van		Mar-14	Table
C029	C	UN	60017			Quarry tip wagon bolt list			
C029	C	UN	60018			List of wagon drawbars	--		
C029	C	UN	60019			Index of wagon stock	--		Title and index pages of NSR Wagon Diagram Book
C029	C	UN	60020			Implement wagon - untitled			part of headstock?
C030	C	UN	60021			Proposed strenghtening of D size dynamo resistance cover	full	06-May-07	
C030	C	UN	60022			Proposed alteration to train lighting axle pulley	3"/1'		
C030	C	UN	60023		8	Diagram of plans, bogie stock to D22, 23, 24, 26			Cross ref to D1709
C030	C	UN	60024			Bogie Composite brake D28			part GA, non brake end
C030	C	UN	60025		8	Director's Saloon 35'6"			Elevation and plan (Pencil: Engineer's Saloon?)
C030	C	UN	60026			Lavatory Composite		03-Jun-09	
C030	C	UN	60027			Diagram 5 35'6" Brake third carriage, brake end plan			
C030	C	UN	60028			NSR Cattle Truck, proposed alterations for cleansing.		N/d	Side elevation of cattle truck. Pencil sketches indicate diagonal ironwork was to be moved upwards.
C030	C	UN	60029			Fatstock Van. For underframe see 132			18'3" x 8'0" over body, 10' wheelbase
C030	C	UN	60030			Standard Cattle Truck (shows vacuum pipe at ends but does not show any running gear)	1"	N/d	16'0" x 7'11" over body, 7'0" height inside, 5'0" doorway
C030	C	UN	60031		8	Diagram of hot water system for carriage lavatories			Note, see railway engineer Feb 1914

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C030	C	UN	60032			Motor lurry, clutch fork lever		22-Sep-19	NSR C&W stamp
C030	C	UN	60033			Motor lurry, pulley wheel		24-Mar-19	
C030	C	UN	60034			P+F91 arcel van body on 2 ton Austin chassis	3/2"/1'		2 Ton van
C030	C	UN	60035			Aluminium fan or blower as air intake			Air intake for van?
C030	C	UN	60036			Gauntree carrier, A.E.C. Lurry	full	10-Sep-19	
C030	C	UN	60037			Fire Bar for motor garage heating furnace	full	19-Dec-13	ES
C030	C	UN	60038			Motor lurry (Halley's) foot brake drum			
C030	C	UN	60039			Lubrication diagram for Halley Chassis	1.5"/1'?		GA of Lurry frame
C030	C	UN	60040			NPCS diagram book sheet			NPCS diagrams
C030	C	UN	60041			Six wheel passenger stock diagram book sheet			
C030	C	UN	60042			Diagrams of 49' bogie carriages			D24
C030	C	UN	60043			Train composition plan		23-Dec-04	Signed by Adams and Phillips, 24/12/1904
C030	C	UN	60044			Train composition plan		n/d	see also 60043
C031	C	UN	60045			Metal fitting for railmotor	half		BP drawing (blueprint)
C031	C	UN	60046			Hinges, strap, handle			Rail motor, BP blueprint
C031	C	UN	60047			Luggage door fittings	half		Rail motor, BP blueprint
C031	C	UN	60048			Pipe carriers & parts	full		DG 66647/66880 Order 9281 (82)
C031	C	UN	60049			Stays & links	3"/1', full	26-Jul-05	66649 (84)
C031	C	UN	60050			Brass furniture		26-Jul-05	No number
C031	C	UN	60051			Drawhooks	full	26-Jul-05	66540 (85)
C031	C	UN	60052			Brake screw handwheel (detail)	full		66644 (81)
C031	C	UN	60053			Brass furniture, Rail motor	half		
C031	C	UN	60054			Guard Irons, Railmotor		20-Jul-05	66652
C031	C	UN	60055			Sandpipe flanges	full	20-Jul-05	66651 (87)
C031	C	UN	60056			Sand gear	3"/1'	20-Jul-05	66650 (86)
C031	C	UN	60057			Brake pull rods & brackets	full/ 3"/1'	20-Jul-05	66643 (80)
C031	C	UN	60058			Details of luggage door fastenings, Railmotor		20-Jul-05	
C031	C	UN	60059			Folding hind footstep arrangement	1.5"/1', full		Rail motor, marked obsolete. 66648 (83)
C031	C	UN	60060			Underframe, Rail motor	1.5"/1'	05-Jun-05	Bayer Peacock stamp, no number
C031	C	UN	60061			Side & floor framing, Rail motor	1.5"/1'		Bayer Peacock drawing, no stamp or number
C031	C	UN	60062			25 ton trolley wagon	1"		Marked in pencil-not made like this

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C031	C	UN	60063			41 feet bogie rail truck to carry 30 tons	--		Side and plan view
C031	C	UN	60064		6/0	Proposed tipping wagons for Limestone Quarries	1.5"/1'		Capacity 1 cubic yard or 20 cwt limestone
C031	C	UN	60065			Directors Saloon		21-Mar-16	plan & end sections of proposed bogie saloon - not built
C031	C	UN	60066			Parcel Van Nave	F/s	26-Sep-13	Signed ES
C031	C	UN	60067			Hind Lamp Bracket, Parcel Van	F/s	05-Jan-16	Signed WWW
C031	C	UN	60068			Lamp Bracket for Parcel Van	F/s	27-Jun-16	Signed ES
C031	C	UN	60069			Toothed Wheel (purpose unknown), cast iron, dia 10.75" to centre of teeth	F/s	07-Sep-14	Date stamped
C032	C	UN	60070			Diagram showing centres of holes for brake lever			
C032	C	UN	60071			48'6" carriage underframe GA		12-Apr-26	Pencil note: 'This drawing is the most correct of those similar in existence and shows the brakework correctly. WHB 1.26'
C032	C	UN	60072			Handle for platform truck	--	16-Jan-13	
C032	C	UN	60073			Details of ironwork for milk truck	H/s and 3"		
C032	C	UN	60074			Demountable loading details of ironwork	H/s		blueprint
C032	C	UN	60075			No 5 electric wagon arrangement of chassis	1.5"		Garratt
C032	C	UN	60076			No 5 electric wagon arrangement of spring gear and frame	1.5"		Garratt
C032	C	UN	60077			2 and 4 ton electric luries fitted for working demountable flats	1.5"		
C032	C	UN	60078			65 cwt trolley fitted as tender trolley for working with demountable flats	1.5"		
C032	C	UN	60079			Frame and details for demountable trays on motor luries	3"and f/s		
C032	C	UN	60080			Arrangment of middle axle box and axle guard slipper for elimination of radial trucks on 35' coaches	F/s	12-Jun-25	LMS
C032	C	UN	60081			Door bolt for sliding doors	--		
C032	C	UN	60082			Buffer guide LMVR	3"	20-Oct-04	
C032	C	UN	60083			LMVR portable stop block	3"		Pencil sketch
C032	C	UN	60084			LMVR pressed steel wagon bogie	--		
C032	C	UN	60085			LMVR brake hanger bracket			

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C032	C	UN	60086			LMVR extension of car for carrying milk van		24-Jun-18	Shows 6 wheel milk van on transporter wagon. "Proposed" is crossed out.
C032	C	UN	60087			Loading gauge for vehicles on LMVR transportation car no 6	----		Small blueprint
C032	C	UN	60088			LYR Standardisation of carriages			LYR Drawing
C032	C	UN	60089			LMVR bogie coach loaded on 25T well truck	3/8"	20-Feb-25	Pencil sketch
C032	C	UN	60090			Diagram of largest carriage		10 November 1897	End view
C032	C	UN	60091			Details for breakdown van	half?		Roof irons, scroll irons, springs - sketches
C033	C	UN	60092		8	Proposed trailer car for 'Terriers'	3/8"/1'	12-Mar-06	initialed WWW, 58' over buffers compo coach, vestibuled wth railmotor type roundel on panelling
C033	C	UN	60093		8	Diagram of motor car and trailer	3/8"/1'		Railmotor GA and trailer all 3rds
C033	C	UN	60094			Carriage axleboxes, GA Railmotor	full		Number 89, bottom lhc, Not used Dg 66357 MO 9281, Beyer Peacock drawing
C033	C	UN	60095			Diagram book sheet, NPCS			NPCS Diagrams 1-10
C033	C	UN	60096			Carriages bogie and radial six wheel diagram book sheet			
C033	C	UN	60097			Wagons, diagram book sheet			
C033	C	UN	60098			Railmotor underframe - brake arrangement	1.5"/1'	26-Jul-05	Beyer Peacock 66307 (79)
C033	C	UN	60099			18" 'C' cylinder			Copy of Vac Brake Co's drawing 1139
C033	C	UN	60100		17	Cylinder diaphragm plates, 18" cylinder			The Consolidated Brake & Engineering Co Ltd
C033	C	UN	60101			Quarry tip wagon? With end door	--		
C033	C	UN	60102			3rd class carriage lavatory light	--		
C033	C	UN	60103			Mansell type carriage wheel	3"		
C033	C	UN	60104		12	15 ton altered hopper, metal fittings	--		For 6pl hopper wagon
C033	C	UN	60105			Proposed steel hopper for limestone wagon	1.5"	22-Jun-16	
C033	C	UN	60106			Bottom door fastening limestone wagon	3"	11-Jul-16	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C033	C	UN	60107			Aeroplane van, coach conversion, ironwork	3"/1'		
C033	C	UN	60108			Method of securing fire snow type fire extinguisher in passenger brake vans, (NS section)	half		LMS NSS, C&W, modified for later model
C033	C	UN	60109			FW Webs' radial truck for carriages, details of radial castings	full	10 August 1890	Signed L. Longbottom, LNW Mechanical engineers stamp,
C033	C	UN	60110			FW Webs' radial truck for carriages, details of controlling springs	half		Signed L Longbottom
C033	C	UN	60111			F.W. Webb's radial truck for carriages, details of radial castings	full	10 September 1890	Signed L. Longbottom, LNWR drawing
C033	C	UN	60112			Drawbar for 35' coach		25 October 1889	Initialed WWW
C033	C	UN	60113			Dampers, radial underframe			LNWR drawing, signed L Longbottom
C033	C	UN	60114			Stepboards, 35' coaches			LNW type drawing, signed by L. Longbottom
C033	C	UN	60115			Tail lamp bracket	F/s	07-Oct-13	
C033	C	UN	60116			Timetable board	--		
C033	C	UN	60117			Subject unknown			
C033	C	UN	60118			Subject unknown			
C033	C	UN	60119			Lurry brakes	--		
C033	C	UN	60120			Subject unknown	--		
C033	C	UN	60121			Small brass plate to be carefully handled	--		
C033	C	UN	60122			Details of ironwork for light lurry	F/s		
C033	C	UN	60123			Runner bar for sliding doors	--		
C033	C	UN	60124			Unspecified runway	--		
C033	C	UN	60125		17	Oak trestle for conveyance of wheels of up to 10' diameter	1"		
C033	C	UN	60126			Lamp brackets for Hand Carts etc.			
C033	C	UN	60127			Platform Truck with Brake			Longbottom's signature
C033	C	UN	60128			Hand Brake for Milk Truck at Madeley Road			
C034	C	N	405			J Stones lighting system, diagram of connecting double battery system		31-Dec-01	
C034	C	N	406	3499		C I axle pulley			
C034	C	N	406	840		CI axle pulley	half	22-Jun-10	

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
C034	C	N	406	2594		CI axle pulley	half	19-Oct-12	
C034	C	N	942			Detail of bath required for electrical charging and repair shops	11/2"/1'	24-Feb-10	
C034	C	N	2735	539		Method of suspending dynamo for shop use			
C034	C	N	2963			General arrangement of dynamo test arm	3"/1'		
C034	C	N	3209	b		Diagram of connection for battery change over switch			Also marked 3024
C034	C	N	3246			Cell accumulator box and fittings with inspection door	3"/1'		
C034	C	N	3642			Special wastage resistance		Jan-13	
C034	C	N	3660			Stones electric ight installations for railway carriages. Details of D2 size ball bearing dynamo		05-Jan-11	
C034	C	N	3660			Details of D2 size ball bearing dynamo		17-Nov-xx	
C034	C	N	4979			20"x51/2" Dynamo Pulley	Full		
C034	C	N	5690			V.S.R. Cell	half	26-Apr-05	
C034	C	N	6120	2		Outline arrangement end view for T35 Lilliput Dynamo	full	17-May-24	
C034	C	N	6120	2		Outline arrangement of T35 Lilliput Dynamo	full	17-May-24	
C034	C	N	6524	6524A		Outline arrangement (end view) of T50 lilliput Dynamo	full	17-May-24	
C034	C	N	6524	4		Outline arrangement of T50 lilliput Dynamo		15-Dec-21	
C035	C		201	NS		Dorman Long & Co Ltd: Springs for 25 Ton Flat Top Trucks		13 May 1931	Ex-Charles Roberts 597-N
C035	C		206	NS		The Gas Light & Coke Company tar and Ammonia Products Works (Spring for Drawbar; Bearing Spring)		14 July 1931	Ex-Charles Roberts 604-N
C035	C		210	NS		Manchester Collieries Ltd: Volute Spring for Self-Contained Buffer		no date	Ex-Charles Roberts 609-N
C035	C		212	NS		Pease & Partners Ltd, Skinningrove Iron Works: Draw Bar Springs		10 Oct 1931	Ex-Charles Roberts 616-N
C035	C		218	NS		12" x 14" Loco Bearing Spring		7 April 1932	Ex-Charles Roberts 623-N
SK11	C	Sk	403			Carriage Door Hinge	F/s		

Roll	L or C	Prefix	Drawing No.	Suffix	Tin No.	Title	Scale/ Additional Detail	Date	Other Information
SK4	C	Sk	130			Wagon axle			
SK4	C	Sk	131			Wagon axle			
SK5	C	Sk	170			Carriage Axles, two for journals at 6'4" centres, one for 6'6" centres		04-Jul-07	
SK5	C	Sk	171			Wagon Axles, 6, 8/10, 10 and 15 ton	3"	04-Jul-07	