

## THE GERS DUPEN COLLECTION OF STRATFORD WORKS DRAWINGS

### LOCOMOTIVES Part I Dg Nos 1855 to 26000

Dg No	Title of Drawing	Description	Date	Year	Order No	Class/ Diagram	Dg Type	Roll No	Cd
1855	Standard Blow Off Cocks	Full size details of two types of cock Endorsed: traced from Dg Nos 1835 and 6167; Dg No 1835 deleted from title My note: Dg No 1855 has large round flange, No 6167 rectangular flange	- .6.01	1901	-	-	PT	D 073	-
2610 Ren	Hornblock for Engines	Full size elevation and plan of hornblock for springs arranged above	31.1.96	1896	-	-	PT	D 035	-
2736 Part	Steel Axles	3" to 1' elevation of axle 5'8¾" long My comment: Stores Ordering drawing	14.3.84	1884	K9 E10 X13	-	PT	D 021	-
2760 Ren	Engines Types J65-J69 & F7-Valve Rod, Expansion Link and Block and Suspension Link	Full size elevations and plans of 6 components	17.3.30	1930	-	J65 J66 J67 J68 J-69 F7	PT	D 073	-
2760 Ren	Motion Details	Full size details of valve spindle, links, die block, etc.	- .8.39	1939	-	F7 J65 J66 J67 J68 J69	PT	D 076	-
2774 Ren	Valve Spindle Guide	Full size details of guide My comment: original drawing c. 1868 possibly for Ruston & Proctor Nos 204 to 208	- .12.31	1931	-	F7 J65 J66 J67 J68 J69	PT	D 060	-
3201 Ren	Driving Axlebox	Full size elevations, section and plan of axlebox; also for J15 leading and trailing Endorsed: alterations to 6.45	- .2.17	1917	Y14 O18 P55	J15 F4	PT	D 079	-
3364	(Buffer)	Full size elevation, section and plan of buffer with rubbers shown with round and square shank Endorsed: Spencer's Patent No 13 cylinders	31.8.82	1882	-	-	PT	D 074	-
3364 -A	Buffer Plunger	Full size elevation, section and plan of buffer Endorsed: for cast steel plungers see Dg No 19422 My note: Stores Ordering drawing	-	1912	-	-	PT	D 035	-
3364	Buffer Casings	Full size elevation, section and plan of casing	31.1.12	1912	-	-	PT	D	-

-B		Endorsed: cancelled see Dg No 18499						006	
3364 -2	(Buffer)	Full size elevation, section and plan of buffer with volute spring Endorsed: altered 12.83, 3.84 and 11.84	- .8.82	1882	-	-	PT	D 078	-
3476	Standard Train Staff Holder	Full size cast iron component mounted on inside of engine cab My note: tracing water stained	9.11.98	1898	-	-	PT	D 027	-
3507	Standard Mud Doors and Plug	Full size elevations and plans of two types of doors Endorsed: G58 and L77 added to title; altered 22.8.07, 29.10.14, etc.; superseded see drawing dated 5.19	6.8.90	1890	-	-	PT	D 088	-
3507	Mud Door and Plugs	Full size elevation and section of door in firebox side and washout plugs My note: tracing water stained	6.8.90	1890	S46	D14	PT	D 050	-
3507 Ren	Mud Door for G.E. Type Engines	Full size elevations and plan of mud door and table of quantity required for GE classes Endorsed: supersedes previous drawing same number	3.10.52	1952	-	-	PT	D 088	-
3507 -I	Boilers for No 1 and 51 Class Engines-Mud Doors and Mud Plugs	Full size elevations and plans of door and plug My note: tracing badly water stained	- .2.20	1920	I 61	-	PT	D 063	-
3507 Part	Sketch Showing Proposed Alteration to Mud door	Full size details of proposal Endorsed: see renewal drawing same number dated 10.52	-	1950	-	-	PT	D 066	-
3507 Att	Mud Plug, Etc for Engines S46 Class	Full size elevation and plan of plug for various classes Endorsed: numerous alterations My note: Stores Ordering drawing	- .1.00	1900	S46	D14	PT	D 066	-
3509 -I	Steel Axle	3" to 1' elevation of trailing driving axle Endorsed: superseded by new drawing same number 11.31 My note: Stores Ordering drawing	- .8.29	1929	T19	D13	PT	D 018	-
3509 -I	Steel Axle	3" to 1' elevation of trailing driving axle My note: Stores Ordering drawing; tracing water damaged	- .11.31	1931	T19	D13	PT	D 018	-
3541 Part	Cast Steel Bogie Hornblocks	6" to 1' elevation, section and plan of hornblock My note: Stores Ordering drawing; originally drawn for G16 class?	- .6.98	1898	S44	G4	PT	D 061	-
3589 Ren	Steam Pipe Elbow	Full size elevations and plan of cast iron elbow for J65 to J69 Classes	11.7.51	1951	-	J65 J66 J67 J68 J69	PT	D 063	-
3622	Springs	Full size half elevation and section of two 18 plate springs 4'0" centres loaded My note: Stores Ordering drawing	31.3.84	1884	-	-	PT	D 033	-
3712 Part	Furness Lubricators	Full size outline elevation and plan of lubricator	- .7.97	1897	-	-	PT	D 076	-
3907 Ren	Cylinders	3" to 1' elevations, sections and plan of cylinders 17½" diameter and 24" stroke for engines Nos 76-80, 170-184 and 221-225 My note: original tracing dated 10.79	- .5.01	1901	61	-	PT	D 070	-
3933 Ren	Fire Hole Door	6" to 1' elevation, section and plan of door, protection rings and shelf	- .10.29	1929	-	E4 F3 J15 J65	PT	D 078	-

						J66 J67			
4476	Six Wheels Coupled and Bogie Tanks-Leading and Driving Springs	Full size half elevation and section of 12 plate spring 2' 11 1/4" centres Endorsed: altered 2.11.84 My note: Stores Ordering drawing	11.9.82	1882	X13	-	PT	D 014	-
4476 Part	(Leading and Driving Axle Spring)	Full size half elevation and section of 12 plate spring Endorsed: altered 1.1.83 and 2.4.84 My note: small tear at bottom	- .9.82	1882	E10	-	PT	D 032	-
4624	Standard Regulator	Full size arrangement and details of regulator with slide valves	- .8.82	1882	Y14 K15	J15	PT	D 075	-
4786	Valve Spindle	Full size elevation and plan of spindle Endorsed: cancelled-work to Dg No 19873 for new valve spindles	- .1.08	1908	61 Y14 P55	- J15 F4	PT	D 074	-
4962	Standard Gauge Cock	Full size elevation, section and plan of water level cock	- .4.79	1879	-	-	PT	D 073	-
5466 -A15	Class D Steel Tyres to Gauge Nos 22A, 29A	Full size sections of tyres 4'11" engine and 4'1" for tender Endorsed: superseded by later tracing same number My note: Stores Ordering drawing	- .9.25	1925	Y14 N31 F48 S44	J15 J14 J16 G4	PT	D 075	-
5466 -A15	Class D Steel Tyres to Gauge Nos 22A, 29A	Full size sections of tyres 4'11" engine and 4'1" for tender My note: Stores Ordering drawing	2.3.28	1928	Y14	J15	PT	D 025	-
5466 -A16	Class D Steel Tyres to Gauge Nos 3, 21A, 22A, 24, 25, 29A, 62A, 64, 118A and 125,	Full size sections of tyres for various classes My note: Stores Ordering drawing	- .9.25	1925	-	-	PT	D 064	-
5466 -A18	Steel Tyres to Gauge Nos 2A, 12A and 125	Full size sections of tyres	- .5.06	1906	-	-	PT	D 077	-
5466 -A23	Steel Tyres to Gauge Nos 31 and 33	Full size sections of tyres	- .11.26	1926	-	-	PT	D 077	-
5540	Details of New Brake Work-Tank Engines E10, R10, O11, F13 and Part Details for Nos 542-551	3" to 1' details of components Endorsed: see new shop copy same number for alterations 26.3.08	-	1880	E10 R10 O11 F13	-	PT	D 074	-
5626	Standard Brake Blocks for Engines and Tenders	6" to 1' elevations and plan of brake block No 21 for engines and No 3 for tenders Endorsed: for engine brake blocks for S69 see Dg No 17250 9.8.11; altered for L77 class 12.11.14	- .4.10	1910	-	-	PT	D 073	-
5626 -3	Cast iron Tender Brake Blocks (No 3)	Full size elevation and plan of tender brake block	- .12.19	1919	-	-	PT	D 063	-
5626 -21	Cast Iron Engine and Tender Brake Block (No 21)	Full size elevation and plan of brake block Endorsed: cancelled, see new drawing same number	30.3.81	1881	-	-	PT	D 063	-
5626 -21	Cast Iron Engine Brake Blocks (No 21)	Full size elevation and plan of engine brake block Endorsed: noted as Standard Engine Brake block	- .5.10	1910	-	-	PT	D 078	-
5630	Inside Leading Spring for Express Engines Class W- Nos 276-290 and 292-304	Full size half elevation and section of 13 plate spring 2'11 1/2" centres	- .4.81	1881	W	-	PT	D 060	-
5680	Six Wheels Coupled Goods Engines Nos 552-561-,	Full size part elevations and plan of connecting rod 5'11 1/4" centres	- .12.03	1903	255	-	PT	D	-

	37-41, 119-124, 592-599, Y14 & P55-Connecting Rod	Endorsed: several alterations up to 22.12.48			Y14 P55	J15 F5		075	
5680 Att	Engines Classes Y14, O18 (160 Lbs/Sq Ins B.P.)(Types J15, F4)-Connecting Rod Strap with Wire Trimmed Oil Box	Full size elevation on plan Endorsed: numerous alterations to 23.4.41	- .8.25	1925	Y14 O18	J15 F4	PT	D 079	-
5680 -I	Pairs of Big End Brasses	Full size elevation, section and plan of brasses My note: Stores Ordering drawing	- .6.19	1919	Y14	J15	PT	D 079	-
5680 Att	Alteration to Whitemetal in Connecting Rod Big End Brasses	Full size outline elevation and plan for Y14 with built up crank axles	- .2.20	1920	Y14	J15	PT	D 079	-
5796 Ren	Smokebox Door Details	6" to 1' details of darts, hinges, crossbar, etc and full size details for 4'0" and 4'2" doors	- .7.50	1950	-	E4 F3 F4 F5 F6 J15 J66 J67 J68 J69 Y4	PT	D 079	-
5895 Ren	Safety Chain for Tenders	Full size elevation of 5 link safety chain	- .6.19	1919	S69	B12	PT	D 072	-
5935	Standard Whistle	Full size elevation, sections and plan Endorsed: see Dg No 12781 for Y65 class	- .9.82	1882	-	-	PT	D 078	-
5941	Standard Drawhook and Rubbers for Tenders	Full size elevation and plan of components for various named classes	- .1.82	1882	-	-	PT	D 038	-
5941	Drawhook for Tenders Class T46	Full size elevation and plan of hook Endorsed: reference to prints sent to Beardmore's My note: drawing is applicable to several tender classes including T69	-	1898	T46	-	PT	D 015	-
5942	Standard Shackle and Link for Goods Engines and Tenders	Full size elevation and plan of shackle and two links Endorsed: for drawhook see Dg Nos 5432 and 5941	27.1.82	1882	-	-	PT	D 079	-
5942 Ren	Coupling for Goods Engines and Tenders	Full size elevation and plan of coupling Endorsed: see Dg No 26005 for Group standard 3 link coupling	- .9.19	1919	-	-	PT	D 041	-
5946	Round Window for Cab	Full size elevation and section of window and catch to fit 1' 5¾" hole in cab	- .11.26	1926	-	-	PT	D 082	-
6008	Trailing Springs	Full size half elevation and section of spring My note: Stores Ordering drawing	1.4.82	1882	-	F4 F5 F6	PT	D 050	-
6008 Part	Trailing Spring Hanger and Leading Spring Hanger Bracket	Full size elevations and plans of components	- .8.85	1885	M15	F4	PT	D 068	-
6009	Four Wheels Coupled Express Engines Class G14, A15, X17, T19 Trailing, N31, C32, L&T Axles	Full size elevations of axles Endorsed: numerous alterations for additional locomotive classes	27.6.82	1882	G14 G16 T19	- - D13	PT	D 082	-

					N31 C32 I27 D27	J14 F3 - -			
6009 -2A	Steel Axles (Straight)	3" to 1' elevation of axle for leading and trailing wheels My note: Stores Ordering drawing	- .11.16	1916	F48	J16	PT	D 050	-
6009 -2	Steel Axles	3" to 1' elevation of axle for trailing wheels My note: Stores Ordering drawing	- .2.25	1925	T19	D13	PT	D 053	-
6009 -3	Steel Axles	3" to 1' elevation of axle for trailing wheels My note: Stores Ordering drawing	16.8.27	1927	-	D13	PT	D 026	-
6009 -4	Steel Axles	3" to 1' elevation of axle Endorsed: see Dg No 37586 for axles for classes J17, J19/2, N7/1 to N7/5; weight altered 9.30 My note: Stores Ordering drawing	- .1.29	1929	F48 G58 E72 T77	J16 J17 J18 J19	PT	D 034	-
6012	Engine Springs	Full size half elevation and section of 13 plate spring 3'5¼" centres for leading, driving and trailing axles	5.10.94	1894	C32 D27 M15 N31 P43 S44 T19 T26	F3 - F4 J14 - G4 D13 E4	PT	D 015	-
6017	Cylinder Cover-Front End	Full size elevation and section of cover	15.7.85	1885	A15 G14 M15	F4 - -	PT	D 028	-
6027	Standard Safety Valve	Full size elevations and section and 6" to 1' arrangement of lever Endorsed: several alteration up to 5.22	12.11.08	1908	-	-	PT	D 073	-
6027 -1	Steel safety Valve Springs	Full size elevations of spring Endorsed: superseded by dg No 28597 6.5.29 3" to 1' elevation of axle for trailing wheels My note: Stores Ordering drawing	- .11.24	1924	-	-	PT	D 043	-
6031	Tender for Engines Nos 37-41, 119-124, 592-599 and 562-571-Arrangement of Frame	1½" to 1' elevations and plan of frame Endorsed: altered for goods engines no 37 class; see Dg No 6044 for front platform, Dg No 6045 for hind platform	8.9.82	1882	B15 Z14 L15	-	PT	D 073	-
6032	Firebars	Full size details of bars and slide bars 2'7¼" long	- .5.17	1917	Y14	J15	PT	D 076	-
6035	Standard Boiler Clack Box	Full size elevations and section of box	- .12.956	1895	-	-	PT	D 079	-
6035 -1	Boilers for Engines No 1 and No 51 Classes-Clackbox Seating	Full size details of seating	- .12.19	1919	I 51	- -	PT	D 065	-
6040	General arrangement of Roscoe's and Furness Lubricators	Full size outline arrangement of two lubricators and their position on engines	- .9.82	1882	37	-	PT	D 073	-
6041 Part	Malleable Cast Iron Lamp Holders	Full size details of three different lamp holders to take lamps with tapered cylindrical spigots on base for gauge lamps on boiler	- .10.16	1916	-	-	PT	D 035	-

		backplate Endorsed: prints sent to Messrs. Beardmore & Co							
6041 Part	Six Wheels Coupled Bogie Express Engines Class 1500-Water Gauge and Pressure Gauge Lamp Holders	Full size elevations of holder	16.6.19	1919	S69	B12	PT	D 088	-
6041 Att Part	Lamp Holders	Full size details of two holders for mounting on boiler and cab front plate	- .2.25	1925	-	N7	PT	D 036	-
6042	Tenders Class H14, Z14, B15, L15-Drawbar Guide	Full size elevation, section and plan of guide Endorsed: altered to red 4.5.89 for class S23	- .10.82	1882	H14 Z14 B15 L15 S23	-	PT	D 074	-
6043	Tender Details Class H14, Z14, B15, L15, 37 Class	Full size details of hand rails and 6" to 1' details of brackets	- .10.82	1882	H14 Z14 B15 L15 37	-	PT	D 075	-
6045	Tenders for Engines Class H14, Z14, B15, Y17, L15- Hind Platform	3" to 1' elevations and plan of tender rear and buffing and drawgear Endorsed: altered to red for six coupled engines	- .10.82	1882	H14 Y14 Z14 B15 L15	J15	PT	D 078	-
6078	Cast Steel Wheel	Full size quarter elevation and section of 10 spoke plain wheel 3'6" diameter on rim My note: probably tender wheel about 4'0" on tread	13.6.84	1884	-	-	PT	D 061	-
6079	Engines Types F4 to F6-Leading Spring	Full size half elevation and section of 14 plate spring 3'0" centres loaded Endorsed: altered 1.34	2.8.33	1933	-	F4 F5 F6	PT	D 028	-
6079 Part	Springs	Full size half elevation and section of 14 plate spring 2'11 1/4" centres marked leading E16 My note: Stores Ordering drawing	- .7.84	1884	E16	-	PT	D 057	-
6080	Tenders Classes B15, Z14, L15-Tank	1 1/2" to 1' elevations, plan and section of tender tank for 6 wheel underframe with full size sections of riveting details	5.9.83	1883	B15 Z14 L15	J15	PT	D 073	-
6081	Check Springs for Radial Axlebox-M15	Full size elevation, section and plan of 5 plate double springs 2'6" between centres unloaded Endorsed: altered 27.9.04	- .10.83	1883	M15	F4 F5	PT	D 032	-
6081	Check Springs for Radial Axlebox	Full size half elevation and section of pair of 5 plate springs	- .1.25	1925	-	F4 F5 F6 N7	PT	D 052	-
6084	Thrust pin for Radial Axlebox	Full size elevations of pin	24.7.85	1885	G14 M15	F4 F5	PT	D 023	-

						F6			
6136	New Arrangement of Pipes and Couplings for Westinghouse Brake on Engines and Tenders	3" to 1' arrangement for engines and tenders with iron or wood frames and buffer beams Endorsed: cancelled see Dg No 9438	- .7.82	1882	-	-	PT	D 045	-
6144	Six Wheels Coupled Goods Engines Nos 37-41, 119-124 and 592-599 Y14 & K15-Leading, Driving and Trailing Hornblocks	6" to 1' elevations and plan Endorsed: altered 25.11.86 & 20.10.93	- .8.84	1884	Y14	J15	PT	D 074	-
6145	Six Wheels Coupled Goods Engines-Leading, Driving and Trailing Wheels	Full size quarter elevation and section of 15 spoke wrought iron forged wheel 4'10" diameter without balance weights, original pattern for Sharp, Stewart engines	- .8.82	1882	Y14	J15	PT	D 079	-
6146 Part	Goods Engines Class J15 Centre Spring Hanger	Full size elevations	- .10.41	1941	-	J15	PT	D 076	-
6146 B Part	Cast Steel Spring Link Brackets	Full size elevations of brackets My note: Stores Ordering drawing	21.3.88	1888	R21	J15	PT	D 079	-
6146 A	Cast Steel Spring Link Brackets	Full size elevations of brackets My note: Stores Ordering drawing	- .3.88	1888	R21	J15	PT	D 069	-
6147	Springs (Engine)	Full size half elevation and section of spring 2'11 1/4" centres My note: Stores Ordering drawing	- .1.83	1883	Y14	J15	PT	D 073	-
6153	Six Wheels Coupled Goods Engines-Brake Details	3" to 1' details of brakework for engines built by Sharp, Stewart with outside pull rods and steam brake Endorsed: altered 5.90 and 5.97	- .10.82	1882	Y14	J15	PT	D 078	-
6157	Six Wheels Coupled Goods Engines Nos 37-41, 119-124, 592-599, Y14, K15-Eccentric Sheaves	Full size elevations and section of sheaves	- .9.82	1882	Y14 K15	J15	PT	D 074	-
6159	Cylinder-Longitudinal Section	Full size longitudinal section of half block, made as two halves bolted together Endorsed: for front view of cover see Dg No 6162; see Dg No 6163 for back cover; see Dg No 14993 for piston rod	- .9.82	1882	Y14 K15	J15	PT	D 075	-
6160	Cylinder-Cross Sections	Full size cross sections of half block, made as two halves bolted together	- .9.82	1882	Y14 K15	J15	PT	D 074	-
6162	Six Wheels Coupled Good Engines Nos 37-41, 119-124, 592-599, Y14, K15-Front Cylinder Cover	Full size front elevation of cover	- .9.82	1882	Y14	J15 K15	PT	D 079	-
6163	Six Wheels Coupled Goods Engines Nos 37-41, 119-124, 592-599-Back Cylinder Cover and Piston Rod	Full size sections, elevations and plan of components Endorsed: for front covers see Dg Nos 6159 and 6162, for slidebar see Dg No 6142; altered 30.1.90, 13.7.21 & 18.5.48	- .4.83	1883	Y14 K15	J15	PT	D 074	-
6164	Six Wheels Coupled Goods Engines Nos 37-41, 119-124, 592-599, Y14, K15-Eccentric Straps	Full size elevations and plan of straps Endorsed: for arrangement of motion see Dg No 6156; for eccentric sheaves see Dg No 6157	- .9.82	1882	Y14 K15	J15	PT	D 074	-
6164 Part Ren	Eccentric Rods for Engines with Expansion Links to Dg No 8363 (Twin Trunnion Type)	6" to 1' elevations of right hand forward and back rods Endorsed: redrawn from original tracing on stick-shop copy	- .12.55	1955	-	J15	PT	079	-
6165	Tenders for Six Wheels Coupled Goods Engines Nos 37-41, 119-124 and 592-599-Wheels and Axle	Full size quarter elevation and section of 10 spoke forged wheel 4'0" diameter on tyre for Sharp, Stewart engine tenders and full size elevation of complete wheel and axle	10.10.82	1882	-	-	PT	D 079	-
6166	Expansion Bracket	Full size elevation and section of bracket	-	1898	Y14	J15	PT	D	-

								075	
6167	Standard Blow Off Cocks	See Dg No 1855 for details	-	-	-	-	-	-	-
6167	Standard Blow Off Cocks	See Dg No 1855 for details	-	-	-	-	-	-	-
6167	Blow Off Cock	Full size elevation, section and plan of boiler blow down cock Endorsed: superseded by Dg No 26007 and Attachment 11.8.26 My note: original drawing dated c. 1883	-	-	S46	D14	PT	D 079	-
6172	Blast pipe Engines Nos 37-41, 110-124, 592-599 Y14, K15	Full size sections and plan of pipe	7.11.82	1882	Y14 K15	J15	PT	D 075	-
6174	Six Wheels Coupled Goods Engines Y14-Coupling Rods	Full size elevations and plan of original plain type of rod Endorsed: see Dg No 14828 for driving crank pin; see Dg No 14755 for fluted rods; altered 25.10.48	- .2.20	1920	Y14	J15	PT	D 078	-
6174 Part	Gun Metal Coupling Rod Bushes	Full size details of bushes My note: Stores Ordering drawing	- .11.00	1900	Y14	J15	PT	D 079	-
6175	Six Wheels Coupled Goods Engines-Leading, Driving and Trailing Axlebox	Full size elevations, sections and plan of axlebox for Sharp, Stewart engines	4.9.82	1882	Y14 K15	J15	PT	D 079	-
6178	Steam Brake Valve	Full size details of drivers valve	28.11.82	1882	Y14	J15	PT	D 074	-
6179 Part	Reversing Screw Nut	6" to 1' details of long bronze nut for standard screw reverse	- .5.22	1922	-	-	PT	D 038	-
6179 Att	Reversing Wheel Handle for Engines Fitted with Dreadnought Type Ejector	Full size details of handle Endorsed: drawing not required, handle added to renewal Dg No 6179	- .4.31	1931	-	-	PT	D 075	-
6180	Details of Cylinder Cock and Sand Box Gear	Full size elevations and plan of components Endorsed: altered for compound goods D&P203, No 127	20.12.82	1882	Y14 K15	J15	PT	D 079	-
6183	Cast Steel Roof Bars	6" to 1' elevations and plans of three types of bar My note: possibly a Stores Ordering drawing	- .12.82	1882	Y14	J15	PT	D 075	-
6185	Details of Handrail Pillars, Injector Rods and Brackets and Clothing, Etc	Full size details of components for Sharp, Stewart engines Endorsed: 10 Y14 engines fitted with Friedman's (injectors?); 10 K15 engines are to be fitted with Dixon's injectors 15.11.83	- .1.83	1883	Y14 K15	J15	PT	D 073	-
6189	Six Wheels coupled Goods Engines Nos 37-41, 119- 124 and 592-599-Valve Connecting Rod, Expansion and Sustaining Links	Full size details of motion components Endorsed: originally Dg No 4784, altered 20.1.83; this link and block same as Nos 170-184 and 552-561 and 61 class; altered 20.4.48	- .9.82	1882	Y14 K15	J15	PT	D 074	-
6191 Att	Engines Springs to Dg No 6191-Spring Buckles and Section of Bottom Spring Plate	Full size details Endorsed: altered 1.34	- .3.24	1924	-	J15	PT	D 037	-
6191	Spring	Full size half elevation and section of 13 plate spring 2'11 1/4" centres My note: Stores Ordering drawing	- .8.83	1883	K15	Y15	PT	D 063	-
6191	Leading, Driving and Trailing Springs	Full size half elevation and section of 13 plate spring 2'11 1/4" centres Endorsed: altered 1.34 My note: Stores Ordering drawing	18.12.84	1884	Y14	J15	PT	D 079	-
6191 Part	Spring Buckles	Full size elevation, section and plan of buckle for leading, driving and trailing springs Endorsed: see new tracing Dg No 6191 Attachment 15.2.24 My note: Stores Ordering drawing	- .7.09	1909	Y14	J15	PT	D 076	-
6194	Steam Brake Cylinder for Engines 552 Class, Y14, N31, F48, G58, E72	Full size end elevation, sectional side elevation and plan of cylinder Endorsed: altered 1907	-	c.1883	Y14 N31	J15 -	PT	D 073	-



					F48	J16			
6199	(Spring)	Full size half elevation and section of 19 plate spring 4'0" centres probably for tenders My note: Stores Ordering drawing	-	1883	-	-	PT	D 063	-
6199	Six Wheels Coupled Goods Engines Nos 37-41, 119-124 and 592-599-Centre and Trailing Spring for Tenders	Full size half elevation and section of 19 plate spring 4'0" centres loaded	- .2.83	1883	Z14 B15 L15	-	PT	D 073	-
6204	Brake Details for Tenders and Classes Z14, L15, V20, 305-6	Full size details of components	- .5.83	1883	Z14 L15 V20 305-6	-	PT	D 073	-
6205	Nut for Hand Brake Screw and Rod	6" to 1' details of nut	- .11.31	1931	-	J69	PT	D 056	-
6205 Part	Brake Column for Standard Tenders	6" to 1' elevation, section and plan of column for S23 tenders	- .2.17	1917	S23	-	PT	D 075	-
6205 Part	Tenders Class 1500 Type B12-Brake Column	6" to 1' elevation, section and plan of cast iron column for T69 tenders	24.6.19	1919	T69	-	PT	D 015	-
6206	Brake Details for Tenders Classes Z14, L15, V20, 305-6	Full size elevations and plans of brake components	- .5.83	1883	Z14 L15 V20 305-6	-	PT	D 074	-
6207	Brake Arrangement for Tenders Classes Z14, L15	1½" to 1' outline elevations, section and plan of tender frame showing arrangement of brakework	- ..6.83	1883	Z14 L15	-	PT	D 079	-
6208	No 10 Dixon's Patent Injectors	Full size outline elevation, section and plan of right hand injector	25.7.83	1883	K15	J15	PT	D 073	-
6209	No. 8 Dixon Patent Injectors (Left Hand)	Full size outline of injector	-7.83	1883	K13	-	PT	D 076	-
6217	Safety Valve Casing	Full size elevations and plan of casing to suit 4'2" & 4'4" dia. boiler barrel Endorsed: refers to safety valve Dg No. 11009	12.10.09	1909	-	-	PT	D 015	-
6226 Part	Identification Sketch of Stuffing Box for Low Pressure Boilers	Full size sketch My comment: application unknown	-	c.1940 ?	-	J15	TP	D 076	-
6226 Part	Regulator Handle	Full size elevations of handle, straight, 1'6" long My comment: no indication whether a renewal tracing or a new detail	- .11.48	1948	-	J65 J66 J67/1 J67/2	PT	D 080	-
6237	Standard Blower	Full size elevations and sections of Worsdell pattern	- .6.85	1885	-	-	PT	D 074	-
6237	Blower, Test Cock, etc.	Full size elevations, including handle, of Worsdell blower valve Endorsed: 'No. 37 class to blue' and 'see tracing dated June 9 1885'	- .8.82	1882	Y14	J15	PT	D 069	-
6248 Part	Spring – Leading U13	Full size elevations and section of 13 plate spring, 2'7½" centres, 6" camber, 5½" wide	- .9.82	1882	U13	Y	PT	D 068	-
6248	Spring	Full size elevations and section of 13 plate spring 2'7½" centres unloaded, 6" camber My comment: Stores ordering tracing	26.3.84	1884	-	-	PT	D 061	-

6249	Side Rods for Engines Nos 305 & 306 and Class M15	Full size elevations, section and plan Endorsed: altered 25.8.07, 5.3.41 & 25.10.48	- .9.82	1882	305-6 M15	- F4 F5	PT	D 064	-
6250	Arrangement of Cylinder, Small & Large Reservoir with Details of Push Rods & Pins of Crosshead	1½" to 1' scrap elevation and plans of rear frames, and details of brackets	18.9.82	1882	140	-	PT	D 033	-
6255	Draw Bar Guide Tenders Class 245-254 & 600-609	Full size elevations and plan of guide	30.9.82	1882	245	-	PT	D 027	-
6314 Ren	Tram Engines Class G15, N17-Cylinders	3" to 1' and full size side, end, plan and sections of cylinder castings and details of glands My comment: Dg No. 11663 for metallic packing for piston rods and valve spindle	- .10.08	1908	G15	Y6	PT	D 001	-
6320	Tramway Engines Classes G15 & C53-Axlebox and Hornblocks	Full size side, end and plan views of axlebox and hornblocks	- .3.21	1921	G15 C53	Y6 J70	PT	D 001	-
6321 Ren	Tramway Engines G15, N17, C53-Regulator Pipe and Branch Pipe	Full size elevations and plan of regulator pipe and branch pipe. Endorsed: revisions in red ink for F40 group boilers 3.2.97 and for C53 class	- .2.21	1921	G15 C53	Y6 C53	PT	D 001	-
6322 Ren	Tramway Engines Classes G15, N17, C53-Leading & Driving Axles (and Intermediate C53)	Full size elevations and plans of crank and plain axles plus 3" to 1' drawings of complete axles	- .10.21	1921	G15 C53	Y6 J70	PT	D 001	-
6322 -1	Untitled	3" to 1' elevations of steel crank axle for G15 0-4-0T tram engines	12.8.21	1921	G15	Y6	PT	D 001	-
6322 -2	Untitled	3" to 1' elevation of leading axle for G15 0-4-0T tram engines Endorsed: journal altered to 5½", 14.1.97 My comment: superseded by Dg No 28520-1	-	-	G15	Y6	PT	D 001	-
6338 Ren	Arrangement and Details of Reversing Screws & Regulator Rods	3" to 1' arrangement and full size detail drawings of screw and rods My comment: renewal of original, c.1883; cross reference to Dg No 6339; reversing shaft bracket Dg No 6347; reversing shaft indicator; Dg No 6328; reversing shaft Dg No 6226 standard stuffing box	- .5.38	1938	G15 C53	Y6 J70	PT	D 005	-
6340 Part	Engines Type Y6, J70-Brake Block	Full size elevations and plan of brake block	- .11.47	1947	G15 C53	J70 Y6	PT	D 001	-
6345	Four and Six Wheels Coupled Tramway Engines, Classes G15, C53-Safety Valve Casing	Full size elevations and plan of safety valve casting, casing and lever	- .9.21	1921	G15 C53	Y6 J70	PT	D 001	-
6357 Ren	Tramway Engines Classes G15, N17, C53-Smokebox Door and Details	Full size half front and sectioned side elevations of door and details of hinges and handles and detail changes for C53 class	- .1.16	1916	G15 C53	Y6 J70	PT	D 001	-
6361 Att	Engines Type Y6 (Trams)-Bracket and Pipe Alterations to Suit Gresham & Craven No. 8 Hot Water Injector	1½" to 1' and 3" to 1' scrap view of underside of tank of tank, showing position of injector My comment: see Dg No 8494 for alterations to feedcock	- .1.34	1934	G15	Y6	PT	D 001	-
6633	Standard Drawhook for Passenger and Goods Engines for Classes E4, J15, J17, J66-69	Full size elevation and plan of hook with dimensions for various classes  Endorsed: see Dg No 36582 for F4, F5 and F6 rear drawbar	- .11.06	1906	-	-	PT	D 079	-
6633 Part	Draw-hook	Full size elevations of draw-hook. Endorsed: for B12/3; see Dg No 26000 for future My comment: renewal part drawing made for S69 4-6-0s built by Beardmore, 1920-1	- .6.19	1919	-	-	PT	D 004	-
6661	Four Wheels Coupled Tank Engines M15, P55-Cast	Full size half elevation and section of 10 spoke wheel 3' 9" diameter	- .8.83	1883	M15	F4	PT	D	-

	Steel Wheels (Leading and Trailing)	on tread and 3" to 1' elevation						076	
6661 Ren	Cast Steel Leading and Trailing Wheels	3" to 1' elevations and section of wheels Endorsed: for P43 bogies; see Dg No 33028 for wheel with LNER group standard tyre fastening My comment: Stores ordering tracing	- .1.15	1915	M15 E16 O18 P43 P55	-	PT	D 077	-
6662	Four Wheels Coupled Tank Engines Class M15-Cast Steel Coupled Wheels	Full size part elevation and section of 16 spoke wheel 4'11" diameter and details of crank pin and 1½" to 1' elevation of whole wheel	- .8.83	1883	M15	F4	PT	D 076	-
6663	Four Wheels Coupled Tank Engines Classes M15-Cast Steel Roof Bars	Full size elevation and plan of bar as fitted to firebox and 3" to 1' elevations showing variations	- .12.83	1883	M15	F4	PT	D 076	-
6664	Motion Plate	Full size elevations and plan for Joy gear engines with four bar motion	- .6.85	1885	M15	F4	PT	D 076	-
6665	Four Wheels Coupled Tank Engines Classes M15, E16, O18 (Intermediate)-Hornblock and Axle for Coupled Wheels	6" to 1" elevations, sections and plan of components Endorsed: numerous alterations; for intermediate axlebox and hornblock class P55 see Dg No 16595 7.1.09	- .6.85	1885	M15	F4 F5	PT	D 076	-
6666	Guard Bars for Engines Class M15	1½" to 1' elevations of bars to be stamped out of scrap pieces of M15 frame plates Endorsed: amended for K85 20.4.21	- .4.21	1921	M15 K85	F4 N7	PT	D 081	-
6669 -2 Ren	Steel Axles	Unscaled elevations and plan of intermediate axle for forgings My comment: Stores ordering tracing	- .6.06	1906	M15 P55	F4 F5	PT	D 080	-
6669 -3	Steel Axle	3" to 1' elevations and plan of intermediate axle for forgings Endorsed: superseded by Dg No 29236 30.1.30 My comment: Stores ordering tracing	- .1.11	1911	G69	F6	PT	D 081	-
6671	Four Wheels Coupled Tank Engines Classes M15, E16, O18, P55-Frame Bracket	Full size elevations and plan of bracket	- .12.83	1883	M15 P55	F4 F5	PT	D 015	-
6672	Four Wheels Coupled Tank Engines Class M15-Connecting Rod	Full size elevations, sections and plan of rod 5'11" centres	23.6.85	1885	M15	F4	PT	D 016	-
6677	Four Wheels Coupled Tank Engines Classes M15, E16, O18, P55-Frame Bracket	3" to 1' details of numerous components Endorsed: altered 13.2.11, 3.10.22, 13.7.33 & 28.8.48	15.10.07	1907	M15 P55	F4 F5 F6	PT	D 016	-
6677	Four Wheels Coupled Tank Engines-Details of Westinghouse Brake	3" to 1' elevations and plans of 21 components My comment: cancelled by Dg No 6677 dated 13.6.99; see Dg No 6205 for standard nut for hand brake column; Dg Nos 6303 or 6699 for rod adjusting screw	- .7.85	1885	M15 E16 O18 P55	F4 F5 F6	PT	D 016	-
6678	Four Wheels Coupled Tank Engines Class M15, E16, O18-Westinghouse Brake Details	3" to 1' details of brake shown in relation to outline of engine Endorsed: altered 1953	- .7.85	1885	M15	F4	PT	D 016	-
6680	Four Wheels Coupled Tank Engines Classes M15-Details of Tanks	Full size details of components and fixings with 3" to 1' arrangement of tank connecting pipe Endorsed: superseded, see Dg No 15092	13.7.85	1885	M15 P55	F4 F5	PT	D 013	-
6681	Four Wheels Coupled Tank Engines Classes M15-Diagonal Frame Stay.	3" to 1' elevations and plan of stay Endorsed: altered 16.11.08 and 27.11.47	28.1.84	1884	M15 P55	F4 F5	PT	D 015	-
6681 Ren	Cast Steel Diagonal Frame Stay	3" to 1' elevations and plan of stay My comment: Stores ordering tracing	23.1.03	1903	O18 P55	F4 F5	PT	D 016	-

6682	Four Wheels Coupled Tank Engines Class M15-Spring Details	Full size elevations and plan of 10 components but not the springs	30.7.85	1885	M15	F4	PT	D 016	-
6685 Part	Engines Type F4-Reversing Rod and Details	3" to 1' elevations and plan of rod and full size details of components My comment; see Dg No 6686 for reversing screw; Dg No 8360 for reversing shaft; Dg No 13692 for motion arrangement; Dg No 15011 for tanks	14.8.33	1933	-	F4	PT	D 016	-
6686 Att	Alterations to Reversing Screw Bracket and Index Plate for L77 Class Engines	Full size elevation and plan of bracket Endorsed: altered 10.1.14; for L77 and K85 classes see Dg No 23285	- .9.14	1914	L77 K85	N7	PT	D 033	-
6688	Four Wheels Coupled Tank Engines Classes M15-Ashpan Details	Full size elevations and plans of components	- .8.85	1885	M15 P55	F4 F5	PT	D 041	-
6689 Ren	Driving Sand Box	Full size and 6" to 1' details of sand box Endorsed: see copy dated 7.33	- .8.39	1939	-	F4 F5	PT	D 069	-
6689 Part	Driving Sand Box	6" to 1' elevations and plan of sand box	- .6.12	1912	P55	F5	PT	D 041	-
6690	Four Wheels Coupled Tank Engines Class M15-Steam Pipe Casting	Full size sectional elevations and plan of casting for pipe 4¼" diameter	- .7.84	1884	M15	F4	PT	D 069	-
6691 Ren	Cylinder Cock Details	Full size details of 16 components for linkage from cab to cylinder cocks	- .7.33	1933	M15	F4	PT	D 035	-
6692	Sanding Gear Details	Full size details of rods links and levers, etc.	- .7.33	1933	-	F4 F5	PT	D 066	-
6692 Ren	Sand Gear Details	Full size details of brackets, rods and levers	- .8.39	1939	-	F4 F5	PT	D 069	-
6693 Part	Single Firebars	Full size elevations of firebar	- .8.16	1916	M15	F4 F5 F6	PT	D 031	-
6693 -1	Side Firebars	Full size elevations of firebars	- .11.19	1919	M15	F4	PT	D 069	-
6693 -2	Side Firebars	Full size elevations of firebars			G69	F6			
6697	Footsteps	3" to 1' elevations and plan of leading and cab footsteps My comment: shows leading wheel 'splasher', sandbox, etc	- .7.85	1885	M15	F4	PT	D 060	-
6697 Part	Sketch of Trailing Footstep	1½" to 1' details of footstep	- .6.15	1915	M15	F4	PT	D 069	-
6699	Details of Westinghouse Brake	Full size and 3" to 1' details of exhaust elbow, adjusting nuts, pipe fittings and brake blocks Endorsed: four wheels coupled tank engines	- .7.85	1885	M15	F4	PT	D 066	-
6700 Ren	Strainer for Tank, Injector Rods & Pipe Clips	Full size and 6" to 1' details of parts	- .8.39	1939	-	F4 F5 F6 J65 J66	PT	D 069	-

						J67 J68 J69			
6701	Four Wheels Coupled Engines Class M15, Fours Wheels Coupled Express Engines G14-A15-Spring Link for Leading End of Leading Springs	Full size elevations of link and pin and smokebox profile	7.8.85	1885	M15 G14 A14	F4	PT	D 016	-
6701 Part	Stud to be Fixed Behind Leading Spring Hangers (Front End)	Full size profile of smokebox bottom and stud My comment: carries good T. W. Worsdell signature	27.2.85	1885	G14 A15	-	PT	D 016	-
6703	Four Wheels Coupled Tank Engines M15-Blast Pipe	Full size elevations and section of blast pipe, length 3ft Endorsed: flange on both sides in case feed water heating apparatus should be used	29.7.85	1885	M15	F4 F5	PT	D 016	-
6738	Standard Axlebox for Tenders	Full size sectional elevations and plan of axlebox for 9" x 5" journal	- .11.83	1883	-	-	PT	D 073	-
6754	Four Wheels Coupled Express Engines Class G16	1" to 1' outline elevation and plan of frames of 1" plate	12.12.83	1883	G16	-	PT	D 017	-
6777	Cylinders for Compound Engines Classes G16 & X17	3" to 1' elevations and section of cylinders My comment: see Dg No 6007 for back cylinder cover	- .5.85	1885	G16 X17	-	PT	D 081	-
6778 Part	Bogie Centre	3" to 1' elevation and plan of centre Endorsed: altered to red 1.85; altered to blue for T19 class with G16 bogie 22.11.04	- .1.84	1884	G16 T19	D13	PT	D 050	-
6778 -1	Cast Steel Bogie Stretchers	3" to 1' elevations and plan of stretchers My comment: Stores ordering tracing	10.2.05	1905	T19R G16	D13	PT	D 033	-
6778 -2	Cast Steel Bogie Centres	3" to 1' elevations and plan of centre My comment: Stores ordering tracing	10.10.05	1905	T19R G16	D13	PT	D 033	-
6778 -3	Cast Steel Bogie Slides	3" to 1' elevations and plan of slides My comment: Stores ordering tracing	- .2.05	1905	T19	-	PT	D 048	-
6782	Four Wheels Coupled Bogie Express Engines Class T19	Full size elevation and section of 11 plate bearing springs 3'2" centres for bogie	5.3.84	1884	G16 T19R	D13	PT	D 017	-
6783	Four Wheels Coupled Compound Engine Steam Cock Connectors & Steam Pipe Flanges	Full size elevations and plans of components	23.6.84	1884	G16	-	PT	D 014	-
6809	New Rubbing Pieces for Leading Axlebox of No. 1 Class	3" to 1' part arrangement showing separate hornblocks Endorsed: also to red for No 1 class tenders	- .2.84	1884	1	-	PT	D 063	-
6820	Ball Lubricator for W.H. Brake	Full size elevations, plan and section of brass ball lubricator Endorsed: altered March 1934; for fabricated lubricator see Dg No38098 7.53	21.7.94	1894	-	-	PT	D 039	-
6820 Att	Filter for Ball Lubricator	Full size section of lubricator and detail of filter Endorsed: see Dg No. 6820 for lubricator	7.10.49	1949	-	-	PT	D 088	-
6865	Boiler Tube Setting	Full size section of tube at smokebox and firebox end	26.6.84	1884	-	-	PT	D 028	-
6930 Part	Cast Steel Engine Bogie Wheels	3" to 1' elevations and section of bogie wheels 2'7" dia on centres, eight spoke Endorsed: tank engines F47 & T19 Rebuild LM3967 My comment: Stores ordering tracing	- .4.99	1899	S44 T19R	G4 D13	PT	D 060	-
6936	Details of W.H. Brake for Engines Nos. 81-86 & 11-19	3" to 1' and full size details of components My comment: shows details of reservoirs 6 1/8" dia., brake gear, pull	- .12.84	1884	T7	-	PT	D 044	-

		rods etc.							
6976	Lamp Irons & Disc Brackets	Full size details including bracket for holding discs	- .10.16	1916	-	-	PT	D 078	-
6976 Part	Standard Positions of Lamps on Engines And Tenders	½" to 1' front view of locomotive, rear views of tank engine and tender, showing positions of lamps	-	-	-	-	PT	D 082	-
6976 -1	Malleable Cast Iron Lamp Irons	Full size elevations of lamp irons	17.1.90	1890	-	-	PT	D 079	-
6976 -2	Malleable Cast Iron Lamp Irons (B Pattern)	Full size details of lamp irons My comment: drawing originally dated 1882	- .7.26	1926	-	-	PT	D 072	-
6979	Sketch of Valve Spindle Stuffing Box And Gland – Engs 600 Class (Alteration)	Full size sketch My comment: Bromley 4-2-2, built by Kitson	14.3.85	1885	600	-	PT	D 016	-
6982	Sections of Boilers of Shunting Engines on the GER	1½" to 1' showing outline of 0-4-4 tank	26.3.85	1885	-	-	PT	D 073	-
7021	Tender Spring	3" to 1' elevation and section of 7 plate spring 3'9¾" centres Endorsed: L10	12.3.87	1887	-	-	PT	D 016	-
7040 Part	Wrought Iron Rings	Full size section of W1 ring, 2'9⅝" outside dia., 2'3½" inside dia. Endorsed: superseded by new tracing, same no., 1.12.31 My comment; probably Gibson ring for tyre fitting.	- .6.24	1924	-	-	PT	D 030	-
7042	Four Wheels Coupled Tank Engines Classes M15-Connecting Rod	Full size part elevations, section and plan of rod and 3" to 1' elevation of complete rod	24.11.85	1885	M15	F4	PT	D 028	-
7051	Regulator	Full size arrangement and details of double beat type Endorsed: cancelled, see Dg No 7267	- .12.85	1885	-	-	PT	D 075	-
7051 Ren	Standard 5½" Regulator	Full size arrangement and details for standard pattern jockey and slide-type main valve My comment; see Dg No 31606-E for jockey valve	- .3.17	1917	-	-	PT	D 075	-
7053 Ren	Four Wheels Coupled Tank Engines Type F5-Driving Hornblock	6" to 1' elevations and plan of block Endorsed: hornblock lubrication added -.2.36	- .12.29	1929	-	F5	PT	D 028	-
7053 Part	Pairs Cast Steel Driving Hornblocks, Right & Left Hand	6" to 1' stores ordering drawing for castings Endorsed: dated 4.10.93; renewed 16.5.08; altered 24.7.46; and by BR	18.5.08	1908	O18	F4 F5 F6	PT	D 016	-
7066	Standard Reversing Shaft Bracket	Full size elevations and plan of bracket My comment: S69 (B12) class different dimensions	- .1.17	1917	-	-	PT	D 075	-
7066 -1	Six Wheels Coupled Bogie Express Passenger Engines Class 1500 Type B12-Reversing Shaft Brackets	Full size elevations and plan of bracket	23.7.19	1919	S69	B12	PT	D 021	-
7079	Arrangement for Fastening Eccentric Sheaves on Straight Axles	Full size elevations, section and plan of arrangement My comment; pair of eccentric sheaves fastened close to axlebox journal and fixed by eccentric dia. on axle	- 2.04	1904	-	-	PT	D 069	-
7080	Arrangement for Fastening Eccentric Sheaves on Crank Axles	Full size details Endorsed: pencil date 12.2.04	-	1886	-	-	PT	D 029	-
7083 -1	Steel Crank Axles	3" to 1' ordering drawing for castings Endorsed: in pencil, S44, G4	- .2.16	1916	T19 T26 N31 C32	D13 E4 J14 F3	PT	D 069	-
7083	Steel Crank Axle	3" to 1' stores ordering drawing for forgings	- .4.16	1916	T26	E4	PT	D	-

-1A		Endorsed: 'for new solid L.H. crank axles see part Dg 25599' My comment: for T26, L.H. crank leading						069	
7083 -3 Sheet 1	Steel Crank Axles	3" to 1' forging stores ordering drawing, oval webs My comment: for new solid axles see 25643 Part & 29155	- .9.15	1915	Y14 A60	-	PT	D 078	-
7083 -4	Steel Crank Axles	3" to 1' stores ordering drawing for forgings Endorsed; 'Note re. annealing deleted 2.9.19. Mr. Hill agreed to the deletion, at the suggestion of Mr. Glaze, as the matter is referred to in the B.S. specification'	- .12.15	1915	O18 P55	F4	PT	D 069	-
7083 -6	Steel Crank Axles	3" to 1' stores ordering drawing for forgings 11" throw, 2'4" cylinder centres	- .11.19	1919	R10 (?)	-	PT	D 069	-
7083 -9	Steel Crank Axles	3" to 1' stores ordering drawing for forgings 11" throw, 22" stroke	- .11.95	1895	I	-	PT	D 069	-
7083 -11	Steel Crank Axles	3" to 1' stores ordering drawing for forgings 25" stroke Originally endorsed: 'Single wheel express engines with 25" stroke' My comment; superseded by Dg No 26423 Part 20.10.26	- .12.97	1897	T19 D27	D13	PT	D 069	-
7085 Part	Steel Axles	3" to 1' stores ordering drawing for forgings of tender axle Endorsed: 'See Dg No 7085-1 1.12.24'	- .10.18	1918	-	-	PT	D 069	-
7085 -2	Steel Axles	3" to 1' stores ordering drawing for forgings of tender axle My comment; 9" x 5" journals	- .7.28	1928	-	-	PT	D 069	-
7089 Part	Engines Types E4, J15, F3-Test Cock	Full size sectional elevation	- .2.38	1938	-	E4 J15 F3	PT	D 073	-
7089 Att	Express Engines Class 1500 Type B12 Test Cock	Full size sectional elevation Endorsed: also for Classes K89, N7, D14-D16, J16-J19 types with boiler to Dg No 29803 4.11.31	- .5.19	1919	1500	B12	PT	D 066	-
7090	Arrangement of Jerome Packing	Full size valve spindle and piston rod shown My comment; nature of packing not given	- .2.86	1886	-	-	PT	D 042	-
7091 Ren	Reversing Shaft Spring	Full size elevation of spiral spring bolt attachment	- .2.17	1917	-	-	PT	D 042	-
7091 Part	Reversing Springs	Full size stores ordering drawing for springs My comment; see later Dg, same no., dated 7.2.17	- .3.00	1900	T18 O18 D&P203 D20 U20 J19 P20 D27 T26	-	PT	D 042	-
7093	Standard Palm And Longitudinal Stays	Full size general arrangement of stays	- .10.97	1897	-	-	PT	D 035	-
7108	Steel Crank Axles	3" to 1' stores ordering drawing for forgings My comment; for new solid axles see Dg No 25636 Part 10.7.25	- .3.16	1916	T18	J66	PT	D 069	-
7109	Steel Axles	3" to 1' stores ordering drawing for forgings for leading and trailing straight axle	- .12.15	1915	T18	J66	PT	D 069	-

		Endorsed 'Superseded by tracing Dg No 7109-1 16.3.26'							
7109 -1	Steel Axles	3" to 1' stores ordering drawing for forgings for leading & trailing straight axle. Superseded by Dg No 7109-2 19.5.26	- .3.26	1926	T18	J66	PT	D 069	-
7109 -2	Steel Axles	3" to 1' stores ordering drawing for forgings for leading and trailing axle	-5.26	1926	-	J65 J66 J67 J68 J69	PT	D 068	-
7116	Connecting Rod	Full size detailed arrangement. Endorsed: superseded by Dg No 25926 8.3.26	- .1.20	1920	T18 Y65	J66 J67 J68 J69 F7	PT	D 069	-
7116 Part	Connecting Rod	Full size detail of small end	- .10.95	1895	T18	J66	PT	D 068	-
7116 Part	Big End Strap for 6 Coupled Tank Engines T18 Class	Full size detail of strap	- .4.07	1907	T18	J66 J67 J68 J69	PT	D 069	-
7116 Part	Connecting Rod	Full size details of fluted type My comment: possibly the original type	15.11.00	1900	T18	J66	PT	D 060	-
7116 Part	Gun Metal Bushes for Connecting Rods (Small Ends)	Full size details of bushes	- .11.00	1900	T18 T19 E22 T26 D27 N31 C32 P43	-	PT	D 043	-
7116 -1	Big End Brasses	Full size detail of brasses	- .7.19	1919	T18	J66	PT	D 069	-
7116 -2	Connecting Rod Strap With Wire-Trimmed Oil-Box	Full size scrap view of connecting rod strap. Endorsed: altered in red 21.12.25; superseded by Dg No 25926'	- .7.25	1925	T18 R24 G75 S56 Y65	J66 J67 J68 J69 F7	PT	D 035	-
7117	Six Wheels Coupled Tank Engines Class J66-69- Coupling Rod Crank Pins	Full size elevations of 2 types of pin for leading, trailing and driving wheels	- .2.20	1920	-	J66 J67 J68 J69	PT	D 069	-
7123 Ren	Arrangement and Details of Spring Gear	3" to 1' and full size general arrangement and section of spring gear	- .10.48	1948	E22 T18	J65 J66	PT	D 032	-
7123 Part	Cast Steel Spring Link Brackets	Full size stores ordering drawing for castings	- .7.88	1888	T21	J66	PT	D 067	-
7123	Details of Spring Gear	Full size bracket and spring hanger	- .1.48	1948	T18	J66	PT	D	-



Att		My comment: refer to Dg No 7123 spring pins						032	
7126 Ren	Reversing Shaft	Full size elevation, section and plan of shaft My comment: cross-refer to Dg No 7066, reversing shaft bracket; Dg No 7091, reversing shaft spring; Dg No 2760, motion details	- .2.52	1952	T18 E22 R24 S56 C72	J65 J66 J67 J68 J69	PT	D 032	-
7127 Ren	Six Wheels Coupled Tank Engines-Front Cylinder Cover, Piston and Rod	Full size elevations and sections of components	- .3.20	1920	T18 R24 R56 C72	J66 J67 J68 J69	PT	D 034	-
7127 Part	16½ Inches Diameter Piston Engines	Full size sectional elevation and plan Endorsed: altered 8.34 and 10.9.40	- .6.17	1917	T18	J66	PT	D 032	-
7127 Part	Mild Steel Piston Rods	3" to 1' stores ordering drawing for forgings	- .10.12	1912	T18	J66	PT	D 067	-
7127 -1	Steel Piston Rods	3" to 1' stores ordering tracing for forgings	- .-.19	1919	T18	J66	PT	D 032	-
7127 -2	Front Cylinder Cover	Full size elevation and section of cover Endorsed: in red, tapped holes for set bolts for removal of cylinder covers, -.3.35	- .1.20	1920	T18	J66	PT	D 022	-
7128	Six Wheels Coupled Tank Engines T18 Class-Right Hand Injector	Full size elevations, sections and plan of injector	- .3.93	1893	T18	J66	PT	D 073	-
7129	Six Wheels Coupled Tank Engines Class T18-Left Hand Injector	Full size sections and elevations and plan of injector	- .3.93	1893	T18	J66	PT	D 073	-
7131	Reversing Lever, Sector & Rod for Engines J66, J68, Y4, Rod And Pin Only for J66 With Screw Reversing Gear And J65	Full size general arrangement and details Endorsed in red 29.9.13 for G75 (J68); 8.12.13 for G75 (J68); for B74 class My comment: refer to Dg No 7131 Att for reversing sector for B74 class	- .4.10	1910	T18 C72 E22 B74	J66 J68 J65 Y4	PT	D 081	-
7131 Part	Steel Spring for Reversing Lever	Full size elevation and plan of spring My comment: probably for catch; also used for lever on GE design turntables	- .11.25	1925	T18	J66	PT	D 067	-
7132	Leading Sandbox and Details	6" to 1' and full size general arrangement and details of sandbox	- .1.30	1930	T18 R24 R24R C72 S56	J66 J67 J68 J69	PT	D 081	-
7132 Part	Leading Sandbox	6" to 1' general arrangement of sandbox	- .5.12	1912	T18 R24 S56 C72	J66 J67 J68 J69	PT	D 032	-
7134 Att	Six Wheels Coupled Tank Engines Class T18-Lever Reversing Only-Alteration to RH Side of Cab	1½" to 1' outline side elevation and part plan of cab and end of side tank and 6" to 1' elevations and plan of bracket for front damper door rod	- .3.21	1921	T18	J66	PT	D 032	-
7136	Details of Cylinder Cock Gear	Full size details of 11 components My comment: refer Dg No 7137 for other details	- .4.30	1930	T18 R24	J66 J67	PT	D 032	-

					R24R S56 C72	J68 J69			
7137	Leading Sandbox Gear Details	1" to 1' and full size details of thirteen components My comment: see Dg No 7132 for eyelet	- .1.30	1930	T18 E22 R24 R24R S56 C72	J65 J66 J67 J68 J69	PT	D 032	-
7138 Ren	Tank Connection Pipe-Engines J67-69 and Y4	Full size section and elevation of pipe connection and 3" to 1' elevation of connecting pipe	- 11.47	1947	-	J65 J66 J67 J68 J69 Y4	PT	D 032	-
7138 Att	Four Wheels Coupled Shunting Engine Class B74-Tank Connection Pipe	3" to 1' elevation of pipe	- .5.13	1913	B74	Y4	PT	D 023	-
7139 Ren	Ash Pan Arrangement Classes J65, J66, J67-1 and J67-2	3" to 1' general arrangement of ash pan and full size details of fittings Endorsed: for details see Dg No 7140E; for firebars see Dg Nos 26384-E and 26384-E Att	18.12.52	1952	-	J65 J66 J67/1 J67/2	PT	D 083	-
7140	Ashpan Details	3" to 1' and full size details of eleven components My comment; refer Dg No 7139 ashpan arrangement	- .12.52	1952	E22 T18 R24	J65 J66 J67	PT	D 034	-
7141 -1	Single Fire Bar	Full size elevation, section and plan of 1'10" long fire bar Endorsed: for original T18 boiler	- .9.20	1920	T18	J67	PT	D 065	-
7141 -2	Single Fire Bar	Full size elevation, section and plan of 2'2" long fire bar My comment: long firebox boiler	- .9.20	1920	S56	J69	PT	D 065	-
7147	Bearing Spring-T18 Class	Full size stores ordering drawing for springs, 10 plates 5" x 1/2" Endorsed: superseded, see Dg No 7149	24.3.87	1887	T18	J66	PT	D 065	-
7149 Ren	Six Wheels Coupled Tank Engines T18 Class-Leading, Driving and Trailing Springs	Full size half elevation and plan with section of 11 plate spring 2' 11 1/4" centres unloaded Endorsed: altered 12.33	- .5.25	1925	T18	J66 J69	PT	D 062	-
7149	Engine Springs	Full size stores ordering drawing, for spring 11 plates 5" x 1/2" Endorsed: see new tracing, same number"	- .10.94	1894	T18	J66	PT	D 065	-
7149 Att	Spring Buckles & Section of Bottom Spring Plate. Engine Springs To 7149	Full size elevations, section and plan of components	- ..2.24	1924	T18	J66	PT	D 062	-
7228 -1	Steel Axles	3" to 1' stores ordering drawing, elevations and plan of leading and trailing carrying axle Endorsed: with weight -.9.30	14.9.28	1928	T26 C32	E4 F3	PT	D 022	-
7231	Cast Steel Leading Hornblocks	6" to 1' stores ordering drawing for castings of outside axleboxes	- .8.93	1893	O R33	F3	PT	D 060	-
7231 -1	Cast Steel Axlebox Keeps	Full size stores ordering drawing for steel castings My comment: probably for T18 axleboxes	5.2.14	1914	-	-	PT	D 006	-
7232	Cast Steel Axlebox Guides	3" to 1' elevations and plans of outside leading. Flange to frame	22.5.91	1891	T19	-	PT	D	-

Part		Endorsed: altered to 1 1/4" on 27.11.02						082	
7235 Part	Cast Steel Reversing Shaft	3" to 1' stores ordering drawing for castings	21.9.93	1893	T19	-	PT	D 022	-
7236	Connecting Rod Engines Classes T19, T26, D27, N31, C32	Full size elevations and plan of connecting rod with 6" to 1' part elevation showing alteration to white metalling for big end brasses for engines class T26 with built up crank axles	- .8.97	1897	T19 T26 D27 N31 C32	D13 E4 - J14 F3	PT	D 066	-
7236 Att	Engines Types D13, E4, F3 GE Classes T19, T26, C32-Connecting Rod Strap with Wire Trimmed Oil Box	Full size elevation and plan of strap Endorsed: altered 6.4.27 & 8.33	- .8.25	1925	T19 T26 C32	D13 E4 F3	PT	D 057	-
7236 Part	Pairs Big End Connecting Rod Brasses	Full size elevations, section and plan My comment: possibly for ordering castings	- .12.00	1900	T26 T19 D27 N31 C32	E4 J14 F3 D13	PT	D 057	-
7239 Part	Diagram for Fixing Ecc. Sheaves	Diagram with dimensions of 'offsets' for setting and fixing eccentrics to crank axles	- .6.17	1917	417 650 700 1040 1150 1189 1900 999 1100	- F4 D13 F3 J16 J17 D14 - G4	PT	D 038	-
7245	Details of Motion	Full size elevations, section and plans of expansion link, suspension link and intermediate valve spindle My comment: see Dg No 8549 for intermediate valve spindle, M15R class	- .8.21	1921	T19R T26 N31 M15R C32 S44	D13 E4 J14 F5 F3 G4	PT	D 035	-
7251 Ren	Valve and Valve Spindle	Full size general arrangement of valve, buckle and spindle, and fittings	- .2.29	1929	T26 C32 S44	E4 F3 G4	PT	D 082	-
7251 Part	Tank Engines 1100 Class Slide Valve	Full size elevation, section and plan of slide valves Endorsed: drawing is dated 21.12.00 for engine classes T19, T26, D27, N31, C32, M15Rbt, S44; for 1100 class and re-dated	- .7.25	1925	1100	G4	PT	D 043	-
7251 Part	Spring for Slide Valve	Full Size Endorsed: for 1", 1 1/4 and 1 1/2" springs see Dg No 29812	- .11.25	1925	-	-	PT	D 042	-
7253	Fire Door	6" to 1' elevations and plan of two part lever-operated sliding fire door My comment; no indication that it was actually used	- .9.86	1886	T19	-	PT	D 078	-
7268	Outside Leading Spring Express Engines T19 Class T26, D27, Outside, Leading and Trailing Tank Engines C32	Full size half elevation and plan with section of 13 plate spring 3'6" loaded	- .11.92	1892	T19 T26 D27	D13 E4 -	PT	D 024	-

					C32	F3			
7269	Express Engines T19 Class, T26, D27-Inside Leading Spring	Full size half elevation, plan and section of 7 plate spring 3' 5 1/4" centres unloaded. Stores ordering tracing Endorsed: altered 12.33; for inside leading and trailing tank engines class C32 27.10.92	- .8.87	1887	T19 T26 D27 C32	D13 E4 - F3	PT	D 024	-
7337 -4	Weldless Steel Hoops (Crank Axles)	3" to 1' stores ordering drawing for forgings Endorsed as renewal -.6.06, original tracing dated 17.12.86	- .4.07	1907	T19 T26	-	PT	D 040	-
7337 -5	Weldless Steel Hoops	3" to 1' stores ordering drawing for forged crank axles	-.1.06	1906	Y14 D20	J15	PT	D 060	-
7337 -6	Weldless Steel Hoops	3" to 1' stores ordering drawing for forged crank axles. My comment: original drawing dated 20.9.87, renewed 18.6.06	- .4.07	1907	H21	J66	PT	D 062	-
7337 -7	Weldless Steel Hoops	3" to 1' ordering drawing for forged crankshaft	- .7.88	1888	E22	J65	PT	D 070	-
7351	Alteration To Cover of Standard Tender Axlebox	Full size elevations and plan of top cover altered for middle boxes	12.5.88	1888	-	-	PT	D 079	-
7351 Part	(Socket) for Axlebox Covers	Full size detail of socket Endorsed: socket to be fitted to tender axlebox covers with fixed spring hangers, to enable standard tender springs to be used	- .3.93	1893	-	-	PT	D 080	-
7379 Ren	H14, Z14, L15 Tenders and All New Tenders- Cast Iron Strainer for Feed Cock	Full size elevations of left and right hand strainers	18.1.10	1910	H17 Z14 L15	-	PT	D 088	-
7393 Ren	Slide Bar	3" to 1', 6" to 1' and full size elevations, sections and table of dimensions	- .7.33	1933	-	F4 F5 F6 J15	PT	D 088	-
7393 Part	Slide Bar	3" to 1' and full size detail of slide bar Endorsed: for J15 see Dg No 7393	- .2.17	1917	Y14	J15	PT	D 078	-
7394	Standard Injector Steam Cock	Full size sections, elevations and plan of cock	- .10.94	1894	-	-	PT	D 046	-
7394 -1	Injector Steam Cock Seating	Full size elevation and plan of seating	- .12.19	1919	I	F6	PT	D 052	-
7424	Standard Tender Spring	Full size half elevation and plan with section of 12 plate spring 3'10" unloaded My comment: Stores ordering drawing	- .5.97	1897	-	-	PT	D 064	-
7436	Compound Goods Engines Class D&P203-Cylinders	3" to 1' elevations, sections and plan of cylinders Endorsed: undated alteration	- .5.87	1887	I27	-	PT	D 078	-
7446	Standard Hornblock for Engines	6" to 1' elevations, section and plan of hornblock Endorsed as cancelled 28.4.15, see new tracing with same number	- .1.96	1896	-	-	PT	D 040	-
7446	Hornblocks	6" to 1' arrangement of hornblocks and wedge and hornstay Endorsed: work to red' is for T19 driving; work to blue is for T19 trailing; work to green is for T19 Belpaire boiler with G16 bogie; work to yellow' is for J18 and J19 rebuild My comment: for axleboxes to Dg No 32292, see Dg Nos 32295, 32297 and 32299	- .3.15	1915	T19 T26 N31 C32 F48 G58 L77	- E4 J14 F3 J16 J17 N7	PT	D 041	-

					E72	J18			
7446 Part	Cast Steel Hornblocks	6" to 1' stores ordering drawing for castings. Endorsed: hornblocks for driving axle of E4, F3, N31; for intermediate axle of F3, L77 (N7); for leading axle of N31; for trailing axle of J17, J19/2 My comment; is this the Dg lost in -.11.43?	- .8.31	1931	-	E4 F3 N7 J17 J19/2	PT	D 040	-
7446 a	Cast Steel Hornblocks (Driving)	6" to 1' stores ordering drawing	- .1.08	1908	T24	-	PT	D 047	-
7446 -1	Cast Steel Hornblock	6" to 1' stores ordering drawing for castings Endorsed: hornblocks for driving axle of E4, F3; intermediate axle of N7, F3; trailing axle of E4, J17, J19/2; original tracing lost -.11.43	- .11.43	1943	-	E4 F3 N7 J17 J19/2	PT	D 041	-
7452 Part	Eccentric Strap for Engines	Full size elevation, section and plan of eccentric strap	- .10.23	1923	S46 F48	D15 J16	PT	D 056	-
7460	Four Wheels Coupled Tank Engines Class O18, P55-Driving Spring	Full size half elevation and plan and section of 16 plate spring 3'5 1/4" unloaded	-	-	O18 P55	F4 F5	PT	D 080	-
7460	Driving Spring	Full size detail of spring	- .11.25	1925	O18	F4 F5 F6	PT	D 077	-
7496 Part	Cast Steel Hornblocks	6" to 1' stores ordering drawing for castings for leading, driving and trailing axle details Endorsed: for repairs only; for new work see Dg No 10737 My comment: see Dg No 7496-1 for driving; Dg No 7496-2 for trailing; Dg No 7496-3 for leading	- .5.15	1915	Y14	J15	PT	D 079	-
7496 -1	Cast Steel Driving Hornblocks	6" to 1' stores ordering drawing for castings Endorsed: for repairs only; for new work see Dg No 10737	9.10.17	1917	Y14	J15	PT	D 079	-
7496 -2	Cast Steel Trailing Hornblocks	6" to 1' stores ordering drawing for castings Endorsed: for repairs only; for new work see 10737	9.10.17	1917	Y14	J15	PT	D 079	-
7496 -3	Cast Steel Leading Hornblocks	6" to 1' stores ordering drawing for castings Endorsed: for repairs only; for new work see Dg 10737	9.10.17	1917	Y14	J15	PT	D 079	-
7517 Part	Sets of Cast Steel Hornblocks	6" to 1' stores ordering drawing for castings My comment: almost certainly for 'Ironclad' Nos 255-274, agrees with Dübs general arrangement drawing, specification added 2.5.35	29.8.87	1887	-	-	PT	D 007	-
7519 Part	Cast Steel Driving Wheels	3" to 1' elevation, section and plan of approx 6'1" wheels for driving and trailing My comment: probably for Ironclads Nos 255-274	16.9.87	1887	-	-	PT	D 007	-
7540 -1	Cast Steel Bogie Centres	3" to 1' elevation, section and plan of centre Endorsed in pencil "X13?" My comment: probably refers to batch X13 of class E10	19.2.98	1898	X13?	-	PT	D 002	-
7601	20 Cast Steel Wheels Leading & Driving	3" to 1' stores ordering drawing for castings, 10 to A and 10 to B My comment: no class stated, could be 0-4-4T	- .12.87	1887	-	-	PT	D 013	-
7630	Cast Steel Wheel	3" to 1' elevation and section of wheel 12 spoke centre 3'6" dia	- .3.88	1888	T18?	-	PT	D	-

Part		with 11" throw without balance weights. My comment: appears to be stores g drawing for castings.						039	
7654	No. 8 Right Hand Injectors No. 8 Left Hand Injectors	Full size outline drawing of right hand injector	5.4.88	1888	-	-	PT	D 073	-
7657 Part	Cast Steel Intermediate Hornblocks	6" to 1' stores ordering drawing for castings	- .1.16	1916	M15 O18	F4 F5 F6	PT	D 050	-
7693 Part	Cast Steel Tender Brake Hangers	3" to 1' stores ordering drawing for castings, 22" long My comment: unlike any other brake hanger	6.11.88	1888	-	-	PT	D 080	-
7699	Alterations To Piston Rod Stuffing Box and Crosshead	Full size elevations, section and plan of components My comment: piston to Dg No 6025; cylinder Dg No 7227; crosshead Dg No 7092; cancelled, see Dg Nos 8681, 8696 and 10352 (13.1.04)	- .1.1.89	1889	T19 (LM68)	-	PT	D 045	-
7706 Ren	Six Wheels Coupled Tank Engines Class E22-J65	3" to 1' fully detailed arrangement of cylinders 14" x 20" My comment: see Dg No 7710 for frame; Dg No 7711 for cylinder cover; Dg No 13115 for valve spindle snifting box; Dg No 13117 for metallic packing	- .2.24	1924	E22	J65	PT	D 029	-
7708 Part	Sets of Cast Steel Roof Bars	3" to 1' stores ordering drawing for castings	31.12.95	1895	E22	-	PT	D 038	-
7708 -2	Sets Cast Steel Roof Bars	3" to 1' stores ordering drawing of firebox roof bars for 160 psi boiler	- .1.96	1896	T18 I	-	PT	D 045	-
7711 Ren	Six Wheels Coupled Tank Engines (Class E22)- Cylinder and Steam Chest Covers, Blast-Pipe, Piston and Rod & Steam Pipe Flange	3" to 1' elevations and sections of components Endorsed: altered 8.8.21, 8.34	8.9.21	1921	E22	J66	PT	D 002	-
7711 Part	Cast Steel Piston Heads	Full size section and elevation of head	7.8.88	1888	E22	J65	PT	D 002	-
7712	Steel Crank Axles	3" to 1' elevations of axle. My comment; superseded by Dg No. 25596	31.12.17	1917	E22	J65	PT	D 002	-
7713	Six Wheels Coupled Tank Engines Class R24, S56, T18 and E22-Coupling Rod	Full size elevation and plan of coupling rod with dimensions Endorsed: superseded by Dg No 25675	2.2.20	1920	T18 E22 R24 S56	J66 J65 J67 J69	PT	D 002	-
7713 Part	Gun-Metal Coupling Rod Bushes (Ends)	Full size elevations. My comment: was Dg No 7713A until 7.8.06	14.11.00	1900	T18	-	PT	D 002	-
7713 Part	Gun-Metal Coupling Rod Bushes (Centre)	Full size elevations My comment: was Dg No 7713B until 7.8.06	14.11.00	1900	T18	J66	PT	D 002	-
7713 Part	Six Wheels Coupled Tank Engines, Coupling Rod End	Full size elevation, plan and section of rod end	15.10.95	1895	E22 T18 R24	J65 J66 J67 J68	PT	D 002	-
7713 Part	Coupling Rod T18 Class	Full size details of coupling rod	-	-	T18	J66	PT	D 002	-
7714 Part	Cast Steel Wheels	3" to 1' elevation and plan of 10 spoked balanced driving and leading wheels	7.5.14	1914	T18 R24	J66 J67	PT	D 002	-

		My comment: superseded by Dg No. 29401 for new wheel centres			S56 C72	J68 J69			
7714 A-Part	Cast Steel Engine Wheels	3" to 1' elevation and section of driving, leading and trailing wheels	30.6.92	1892	E22	J65	PT	D 002	-
7715	Cast Steel Crossheads	Full size elevations and plan of right and left hand crossheads	3.7.88	1888	E22	J65	PT	D 002	-
7715	Cast Steel Crosshead Tank Engines E22 (J65)	Full size details of crosshead My comment: new specification for cotters 5.3.35	- .11.21	1921	E22	J65	PT	D 002	-
7716 Part	Cast Steel Motion Plates	3" to 1' elevation, section and plan of crosshead Endorsed: altered to red 22.7.92 for B32	-	-	E22	J65	PT	D 002	-
7720 Ren	Engines Type J65-Connecting Rod	Full size elevation and plan of rod 5'4 1/2" centres Endorsed: see Dg No 26898 for cotter clearances; see Dg No 7715 for crosshead	- .2.33	1933	-	J65	PT	D 002	-
7727 Att	Six Wheels Coupled Tank Engines J66 - J69 Stuffing Box for Trailing Sand Boxes	Full size sectional view of sandbox	- .9.28	1928	T18 R24 S56 C72	J66 J67 J68 J69	PT	D 002	-
7733 Part	Section of Tyre Showing Method of Fastening	Full size section of tyre for engine bogie, leading, driving, intermediate, trailing and tender tyres, driving tyres for six coupled engines to dotted lines. My comment: also shows minimum thickness for turning.	8.9.00	1900	-	-	PT	D 002	-
7737	Cast Steel Hornblocks	6" to 1' elevation, section and plan of hornblocks Endorsed: LM68; to be made of steel for castings with wearing surfaces B.S. Specification No. 10 35 to 40 tons tensile, added during LNER period. My comment: Appropriations Book refers to LM68 as New Express Engine-D27 2-2-2	20.6.88	1888	D27	-	PT	D 002	-
7738 -1	Cast Steel Trailing Spring Brackets	Full Size	16.9.91	1891	D27	-	PT	D 002	-
7738 -2	Cast Steel Driving and Trailing Spring Brackets	Full size elevation, section and plan of brackets My comment: for singles LM68, D27, F32 driving axles and for T19 driving and trailing axles	17.5.07	1907	D27 T19	-	PT	D 002	-
7768	Standard Axlebox for Tenders	Full size elevations, sections and plan of axlebox for 2640 gallon tenders	17.8.88	1888	S23	-	PT	-	-
7777 Part	Cast Steel Hornblocks	Full size elevation, section and plan of brackets	27.9.88	1888	I40	-	PT	D 002	-
7778 -1	Cast Steel Spring Brackets	Full size elevation, section and plan of brackets	30.11.88	1888	I40	-	PT	D 002	-
7778 -2	Cast Steel Spring Brackets	Full size elevation, section and plan of brackets	5.11.88	1888	I40	-	PT	D 002	-
7791 Part	Cast Steel Driving and Trailing Wheels	3" to 1' stores ordering tracing showing outside of wheel and section. My comment; superseded by 29677	3.11.91	1891	T19 T24	D13	PT	D 017	-
7791 a-Part	Cast Steel Engine Driving Wheels	3" to 1' stores ordering drawing for casting of wheels 6'6" dia without tyres, 20 spokes	3.11.92	1892	D27	-	PT	D 025	-

		Endorsed: single express							
7796 Ren	Cast Steel Motion Plates	3" to 1' elevations and plans of 4 plates for class M15, F4	18.10.32	1932	-	F4	PT	D 015	-
7796 Ren	Cast Steel Motion Plates	3" to 1' elevation, section and plan of four motion plates Endorsed: altered in red for 562 engine with link motion April 14, 1893	- .7.30	1930	-	D13 E4 F3 J15 J66 J67 J68 J69 F4	PT	D 073	-
7796 Part	Cast Steel Motion Plate	3" to 1' elevation, section and plan of motion plate	- .5.30	1930	-	J66 J67 J68 J69	PT	D 064	-
7796 -1 Part	Cast Steel Motion Plate	3" to 1' stores ordering drawing for castings My comment: replaces stores tracing dated 25.9.88	18.1.22	1922	O22	E4 F3	PT	D 056	-
7796 -2	Cast Steel Motion Plate	3" to 1' stores ordering drawing of motion plate for Y14 with single suspension link motion. Endorsed: renewed 14.6.06	- .4.07	1907	T22	J15	PT	D 080	-
7796 -3	Cast Steel Motion Plate	3" to 1' stores ordering drawing for casting	- .2.16	1916	T18	J66 J67 J68 J69	PT	D 077	-
7796 -3	Cast Steel Motion Plates	3" to 1' stores ordering drawing for castings	-2.16	1916	T18	J66 J67 J68 J69	PT	D 081	-
7796 -4	Cast Steel Motion Plate	3" to 1' stores ordering drawing for castings My comment: later pattern, with separate valve spindle guides	- .1.16	1916	L28	J15	PT	D 063	-
7796 -4A	Cast Steel Motion Plates	3" to 1' stores ordering drawing for steel castings My comment: see Dg No 16521 for O18 (F4) engines	3.4.16	1916	P55	F5	PT	D 013	-
7802 Part	Springs	Full size stores ordering drawing for springs 2' 11 1/2" centres unloaded, 12 plates 5" x 1/2"	- .10.88	1888	61	-	PT	D 080	-
7803	Cast Steel Roof Bars	3" to 1' stores ordering drawing for castings	- .12.09	1909	-	-	PT	D 056	-
7803 A	Engines Type F4-Roof Bars	3" to 1' elevation, section and plan of roof bar	27.7.33 redrawn	1933	-	F4	PT	D 013	-
7822 Part	Sketch Showing Arrangement of Drag Box – Front End of Tender	1 1/2" to 1' arrangement of drag box	- .9.44	1944	-	E4	PT	D 046	-
7824	Axle Box	Full size elevations, sections and plan of axle box, bearing etc.	-	1888	S23	-	PT	D 045	-
7824	Tender Bearings	Full size elevation, section and plan of bearing brass	- .12.00	1900	S23	-	PT	D	-



Part		My comment: bearing brass						048	
7827	Volute Spring for Buffers	Full size elevation and section of 10" spring	- .11.88	1888	-	-	PT	D 045	-
7830	Steel Branch Pipes Injector	Full size elevations of 2" internal diameter pipes with flanges right hand and left hand My comment: stores ordering drawing	18.2.89	1889	-	-	PT	D 039	-
7832	Tank Engines Types J66-J69 Arrangement and Details of Spring Gear With Rubbers	3" to 1' arrangement of gear and full size details of components	- .3.30	1930	-	J66 J67 J68 J69	PT	D 012	-
7832 -A	Cast Steel Spring Brackets	Full size stores ordering drawing for castings	- .3.18	1918	-	J67	PT	D 045	-
7832 -B	Cast Steel Spring Hangers	Full size stores ordering drawing for castings	- .5.16	1916	R24	J67 J68 J69	PT	D 012	-
7832 -B	Cast Steel Heads for Spring Hangers	Full size stores ordering drawing for castings My comment: renewal, previous tracing mislaid	- .3.50	1950	-	J66 J67 J68 J69	PT	D 012	-
7854 Att	Arrangement of Water Gauge on Tenders Class S23	1½" to 1' part views of tender and gauge in red	- .1.02	1902	S23	-	PT	D 081	-
7858	(Tender Class S23-Spring)	Full size half elevation and plan with section of 12 plate spring 3'10" centres unloaded Endorsed: altered 1.34	16.2.89	1889	S23	-	PT	D 021	-
7858	Spring-Tender Class T46	Full size elevation, section and plan of 12 plate 3'10" centres unloaded spring for 2640-gallon tenders fitted to E4, J15, and J17 Endorsed: altered -.1.34	14.2.89	1889	T46	-	PT	D 021	-
7862	Cast Steel Roof Bars	3" to 1' stores ordering tracing showing 3 types of roof bar	-	c.1887	127	-	PT	D 035	-
7891 Part	Steel Steam Pipes	3" to 1' stores ordering drawing for steam pipes	- .7.89	1889	-	-	PT	D 067	-
7892	Steel Blower Pipe	Full size stores ordering tracing for blower pipe	-6.89	1889	-	-	PT	D 022	-
7898 Ren	Details of Westinghouse, Hand and Steam Brake for Tenders	3" to 1' elevations, sections and plans of components Endorsed – several alterations in red Endorsed: see Dg No 7897 for brake arrangement S23; Dg No 11114 for brake arrangement T46; Dg No 84xx for brake arrangement for 245 and 600 classes	16.2.18	1918	-	-	PT	D 015	-
7898 -I	Tender Brake Details Type B12	3" to 1' details of components	- .3.28	1928	-	B12	PT	D 088	-
7898 Att	Alteration to Brake Cross Beam	3" to 1' tender brake details '1500 & 1900' My comment: shows intermediate beam set back 6" from hangers to clear scoop.	- .9.25	1925	-	B12 D14	PT	D 055	-
7898 Part	Alteration to Brake Gear on Tenders 1890 – 1900	3" to 1' cross stays for brake hangers and pull rods	- .12.03	1903	Tender	D14	PT	D 067	-

7900	Tender Class S23-Details of Spring Gear	3" to 1' elevations and sections of 7 components	- .5.89	1889	S23	-	PT	D 044	-
7900 Part	Cast Steel Spring Hanger Brackets	Full size details of brackets for tenders Endorsed: altered to red July 20 1890 My comment: Stores Ordering drawing	- .11.89	1889	X24	-	PT	D 063	-
7900 -I	Cast Steel Tender Spring Hangers	Full size details of brackets to Pattern No 2923 My comment: Stores Ordering drawing	- 5.16	1916	X24	-	PT	D 037	-
7904 Att	0-6-0 Tank Engines with Injector Arrangement to Dg No 19985-Feed Water Cock and Bracket	Full size elevations of cock and bracket	- .3.15	1915	T18	J66	PT	D 056	-
7904 Part	Steel Tender Feed Pipes	Full size details of hangers My comment: Stores Ordering drawing	12.7.89	1889	X24	-	PT	D 079	-
7904 -I	Feedwater Cock for Tender	Full size details of plug cock	- .10.19	1919	S69	B12	PT	D 072	-
7910	Class T19 Alterations of Horn Stays	6" to 1' My comment: two types of stay shown	- .11.89	1889	T19	-	PT	D 080	-
7914 -I	Drawbar & Safety Link Rubbing Plates	Full size details of plates	- .7.19	1919	S69	B12	PT	D 072	-
7917	Coupled Engines Classes Y14-Back Cylinder Cover and Piston Rod	Full size elevations, plan and sections of cover Endorsed: cancelled, see Dg No 7917 dated 3.98	12.89	1889	Y14	J15	PT	D 057	-
7917 Att	Alteration to Back Cylinder Cover to suit Cyls. Supplied by the Yorkshire Eng. Co.	Full size details of back cover	- .7.21	1921	S44	G4	PT	D 072	-
7917 Part	Back Cylinder Cover	Full size details of cover My comment: probably for casting cover only	- .11.19	1919	Y14 T26 P55 S44	J15 E4 F4 G4	PT	D 074	-
7917 -I Part	Steel Piston Rods	3" to 1' details of rods My Comment: Stores Ordering drawing for forgings	- .5.98	1898	Y14 018	J15 F4 F5	PT	D 074	-
7939 Part	Cast Steel Spring Link Brackets	Full size details of brackets My comment: Stores Ordering drawing for castings	22.6.09	1909	M15	F4 F5 F6	PT	D 016	-
7939 a Ren	Cast Steel Driving Spring Brackets	Full size elevations and section of bracket Endorsed: for BR steel specification	22.6.09	1909	M15 M15R G69	F4 F5 F6	PT	D 028	-
7950 Part	Six Wheels Coupled Tank Engines R24. Diagram of Brake Gear	1½" to 1' outline arrangement of brake gear, side and plan view	- .12.14	1914	R24	J67	PT	D 012	-
7950 Part	Steel Westinghouse Brake Reservoirs	Diagrammatic details of reservoirs 23'10" long x 6¾" O.D. My comment: Stores Ordering drawing; positioned under footplate, each side	- .2.16	1916	P&R 29	-	PT	D 053	-
7974 Part	Spring Hangers for Engines	Full size details of two types of hangers	24.10.94	1894	T19 T26 D27 C32	E4 F3	PT	D 015	-
7977 Part	Cast Steel Leading Wheels	3" to 1' elevation and section of wheel, without tyre, ten-spoke pattern	4.11.91	1891	T19	-	PT	D 003	-

8015	Tenders Class S23 & Type B12 Horn-blocks	Full size elevations and plan	9.2.17	1917	S23	B12	PT	D 088	-
8038	Cast Steel Driving Wheels	3" to 1' elevation, section and plan of wheel My comment: Stores Ordering drawing for castings	- .3.07	1907	T26	E4	PT	D 044	-
8043 -1	Cast Steel Driving & Trailing Spring Brackets	Full size details of brackets My comment: Stores Ordering drawing for castings	7.7.90	1890	T26	E4	PT	D 047	-
8043 -2	Sets Cast Steel Spring Hangers	Full size details of brackets My comment: Stores Ordering drawing for castings	15.3.16	1916	T26	E4	PT	D 007	-
8044	Cast Steel Outside Leading Spring Brackets	Full size details of brackets My comment: Stores Ordering drawing for castings	- .2.91	1891	T26 D27	E4	PT	D 047	-
8049 Ren	Feedwater Connections Between Engine & Tender	Full size arrangement and 1½" to 1' details of components Endorsed: also for E4 My comment: drawing badly water stained	-	-	-	B12 D15/2 D16/2 D16/3 J19	PT	D 070	-
8067 Part	1¼" Screw Stop Valve for Automatic Vacuum Brake	Full size steam valve for supply to vacuum ejector My comment: shows position on boiler	31.1.99	1899	76	-	PT	D 025	-
8136	Steel Tender Axles	3" to 1' elevation and plan of axle My comment: Stores Ordering tracing	25.3.90	1890	S23	-	PT	D 023	-
8143 Part	Sketch Showing Proposed Alteration to Vacuum Train Pipe at Front End of Tender	1½" to 1' showing minor alterations to pipe run	- .3.52	1952	-	Tender	TP	D 077	-
8143 Part Copy 2	Sketch Showing Clearance Between Vacuum Brake Train Pipe and Hub of Leading Tender Wheel, G.E. Tenders	3" to 1' sectional end and plan of wheel, axle and frame plates	16.4.52	1952	-	Tender	TP	D 023	-
8150	Boiler Copings	1½" to 1' and full size details of brass copings My comment: probably a Stores Ordering drawing	- .11.93	1893	-	-	PT	D 075	-
8158	Pipes for Express Engines	1½" to 1' details of injector feed and steam pipes	- .5.90	1890	-	-	PT	D 048	-
8160 Part	Cast Steel Hornblocks	6" to 1' details of leading and trailing hornblocks My comment: Stores Ordering drawing for castings	- .10.22	1922	T18	J66 J67 J68 J69	PT	D 039	-
8181	Patent Variable Blast Pipe	6" to 1' and full size elevations and plan My comment: appears to be original drawing for Macallan cap	28.6.90	1890	-	-	PT	D 082	-
8212 Ren	Engines Type E4-Cast Iron Footplate & Westinghouse Reservoirs	3" to 1' general arrangement and sections of reservoirs	15.12.42	1942	T26	E4	PT	D 017	-
8221	Coupling Links Between Engine and Tender S46 Class	Full size elevations and plan of three coupling links and pins	-	-	S46	D14	PT	D 054	-
8287	Cast Steel Driving & Trailing Wheels	3" to 1' elevation, section and plan of wheel My comment: Stores Ordering drawing for castings	- .12.15	1915	Z30 A31 C31	E4	PT	D 070	-
8296	Cast Steel Adjusting Nuts	Full size details of nuts Endorsed: 'Standard' T26 class 18.3.05 My comment: Stores Ordering drawing	- .5.16	1916	-	-	PT	D 062	-
8296	Cast Steel Adjusting Nut for Brake Gear	Full size details of nut for tender	- .7.19	1919	S69	B12	PT	D	-

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8338 Part	Cast Steel Crossheads	Full size elevation, section and plan of crosshead My comment: Stores Ordering drawing for steel castings for Morton valve gear, 562 class; No 644 was rebuilt with Morton valve gear in 1892	- .4.91	1891	G14	-	PT	D 071	-
8350	Copper Pipes for Mixed Traffic Engines T26 Class	1½" to 1' details of injector, steam and water pipes Endorsed: altered to red 11.4.92	- .2.91	1891	T26	E4	PT	D 063	-
8351	Valve Spindle Guide	Full size elevation and plan of guide	31.1.17	1917	Y14 L28 P55	J15 F6	PT	D 079	-
8360	Reversing Shaft	Full size details of shaft My comment: bracket to Dg No 7066; spring to Dg No 7091	- .1.17	1917	Y14 L28 P55 G69	J15 F4 F6	PT	D 074	-
8363	Six Wheels Coupled Goods Engines Y14 Class L28, P55-Details of Motion	Full size elevations and plans of two components	- .3.05	1905	Y14 L28 P55	J15	PT	D 074	-
8365	Davies & Metcalfe's Injectors & Savills Drier for D27 Class	6" to 1' outline drawing showing arrangement	- .3.91	1891	D27	-	PT	D 077	-
8428	Westinghouse Exhaust Elbow, Westinghouse Steam Cock Tee Piece and Standard Seating	Full size elevations and sections of components Endorsed: see Dg No 22301 for alterations 2.1.22; see Dg No 11075 for spindle and wheels for S69; details added for class C53 trams	15.2.17	1917	S69 C53	B12 J70	PT	D 088	-
8434	Cast Steel Wheels for G15 0-4-0T Tram Engs.	3" to 1' elevations and specifications of wheels	2.12.92	1892	G15	Y6	PT	D 001	-
8464 Part	Alteration to Wheel of Auxiliary Steam Cock for Exhaust Injectors	Full size details of wheel	26.6.96	1896	-	-	PT	D 038	-
8472	Tube Plates for Serve Tubes	3" to 1' elevation of tubeplate My comment: Serve tubes are tinned on the inside (not shown) and are 2¼" dia.	- .3.95	1895	Y14	J15	PT	D 074	-
8528	Cast Steel Wheels (4'10" over Centre Casting)	3" to 1' elevations and sections of leading and driving wheels without tyres Endorsed: 'I33' class (formerly 'I34' class) My comment: there is another version of this drawing with tyres	3.5.92	1892	I34	-	PT	D 003	-
8528	Cast Steel Wheels I33 class	3" to 1' elevations and section of leading and driving wheels including tyres Endorsed: 'M15 pattern to be used' My comment: there is another version of this drawing without tyres	28.11.91	1891	I34	-	PT	D 003	-
8547	Cast Steel Motion Plate	3" to 1' elevation, section and plan of plate My comment: for rebuild of Joy valve gear engines to valves under cylinders; Stores Ordering drawing for castings	- .1.95	1895	M15R	F4	PT	D 038	-
8558	Copper Pipes	1½" to 1' details of steam and delivery pipes for injectors Endorsed: Stratford Works WMDQ; altered to red 7.4.92	31.8.91	1891	L28	J15	PT	D 039	-
8563	Cylinders	3" to 1' elevations and sections of one-piece cylinder castings My comment: drawing for simple-expansion cylinders fitted to	9.1.92	1892	G16	-	PT	D 081	-

		Worsdell compound 4-4-0s							
8574 Addtl	Additional Brackets for Further Securing Sand Boxes	3" to 1' details of brackets to flanged plates between inside and outside frames My comment: cancelled 14.6.99	- .4.94	1894	C32	F3	PT	D 039	-
8582	Four Wheels Coupled Express Engines	Full size details of coupling rod and crank pin. 8'9" between centres Endorsed: altered in red 20.12.30 My comment: see Dg No 34818 for modifications	- .8.97	1897	T19	D13	PT	D 026	-
8594	Copper Pipes for Tank Engines R29	1½" to 1' details of pipes for injector, steam and water	15.2.92	1892	R29	J67	PT	D 060	-
8602	Standard Lubricator	Full size elevations, sections and plans of wick type lubricator and three way pieces and union	- .1.94	1894	-	-	PT	D 073	-
8663	Standard Expansion Bracket	3" to 1' elevations of bracket and full size full size section	16.1.94	1894	-	-	PT	D 030	-
8666 Part	Cylinders	3" to 1' general arrangement and sections of cylinder Endorsed: flange for valve spindle stuffing boxes altered in red, 11.3.25	18.11.99	1899	S44	G4	PT	D 082	-
8666 Att	Alteration to Steam Pipe Flange on Cylinders	Full size elevations of top of flange	- .5.21	1921	S44 N31	G14 J14	PT	D 031	-
8670 -1	Cast Steel Spring Hanger Brackets	Full size details of brackets Endorsed: Drawing applies to all axles, but one set for leading axle has detailed alterations marked by dotted lines My comment: Stores Ordering drawing	-	-	N31	J14	PT	D 030	-
8670 -2	Cast Steel Spring Hangers	Full size details of brackets Endorsed: reference to N31 class deleted 27.8.02. My comment: Stores Ordering drawing; refer to Dg No 8670-3	-	-	N31 C32	J14 F3	PT	D 030	-
8670 -3 Part	Cast Steel Spring Hangers	Full size details of brackets for all axles My comment: Stores Ordering drawing	28.2.96	1896	N31	J14	PT	D 030	-
8671	Cast Steel Motion Plate	3" to 1' details of motion plate My comment: Stores Ordering drawing	- .9.92	1892	N31	J14	PT	D 045	-
8671	Cast Steel Motion Plate	3" to 1' details of motion plate My comment: Stores Ordering drawing	15.6.03	1903	S44	G4	PT	D 038	-
8681 Part	Cast Steel Pistons	Full size section and elevation of 18" dia pistons My comment: Stores Ordering drawing	1.7.92	1892	-	-	PT	D 016	-
8681 Part	18" Diameter Piston	Full size elevations of piston head	- .7.17	1917	-	-	PT	D 018	-
8681	Piston and Rod	Full size details of components	- .8.97	1897	T19	D13	PT	D 051	-
8681 Part	Steel Piston Rods	Full size details of rod Endorsed: 'T19 class 4.7.92' My comment: Stores Ordering drawing'	28.11.06	1906	T19	-	PT	D 039	-
8760 Att	Tank Stay Brackets on Firebox Casing for Fireboxes with Direct Stays	Full size detail of right-hand and left-hand brackets riveted to boiler Endorsed: Work to red for boiler with inspection covers My comment: for boilers with inspection doors, work to Dg No	- .12.31	1931	-	F3	PT	D 063	-

		8760 for tank stays, except for right-hand firebox stay 22.6.34							
8762 Part	Sketch of Sand Pipe	1½" to 1' outline of part of side and sand box	- .12.20	1920	C32	F3	PT	D 078	-
8765	8 Wheel Main Line Tank Engines Class F3 Brake Details	3" to 1' details of brake gear, column, screw, hangers, pullrods, etc.	- .8.38	1938	—	F3	PT	D 079	-
8765 Ren	Brakework Details	3" to 1' and full size details of hangers, pullrods, shafts, brackets, column, etc.	- .11.46	1946	-	F3	PT	D 076	-
8769 Part	Cast Steel Trailing Spring Hangers	Full size details of hangers My comment: Stores Ordering drawing for castings	- .12.92	1892	C32	F3	PT	D 080	-
8788 Att	Alteration to Fastenings of Doors over Trailing Springs to Clear Steam Heating Pipes	Full size arrangement of fastenings	- .10.13	1913	C32	F3	PT	D 071	-
8790 Part	Sets Cast Steel Spring Hanger Brackets	Full size details of castings for leading and trailing wheels My comment: Stores Ordering drawing for castings	- .12.94	1894	C32	F3	PT	D 080	-
8806	Copper Pipes for Tank Engines B32	1½" to 1' elevations of six copper pipes, functions not identified	6.12.92	1892	E22	J65	PT	D 003	-
8809	Details of Tablet-Changing Apparatus	Full size details of components My comment: for arrangement see Dg No 9814	11.12.01	1901	-	-	PT	D 088	-
8813	Radial Axleboxes	3" to 1' arrangement of leading and trailing radial axles, guides, etc.	- .8.93	1893	M15	F4	PT	D 046	-
8831	Copper Pipes for Single Express Engines (D27 Class)	1½" to 1' drawings of: injector delivery pipe to clack; RH injector steam pipe, top and lower halves; LH injector steam pipe, top and lower halves	21.1.93	1893	D27	-	PT	D 005	-
8838	Six Wheels Coupled Tank Engines Class R24-Blast Pipe for Condensing Apparatus	Full size sectional elevations and plans of blast pipe Endorsed: altered 2.7.95, 5.07 & 2.12.26	- .1.93	1893	R24	J67	PT	D 013	-
8839	Standard Cupboard for Tank Engines	3" to 1' elevations and plan of cupboard mounted on back weatherboard with full size details	30.3.17	1917	-	-	PT	D 072	-
8857 Part	Front Cylinder Cover	Full size elevation, section and plan of cover	- .11.19	1919	T19	D13	PT	D 047	-
8913	Cast Steel Brake Shaft for Tenders	3" to 1' elevation and plan of shaft	- .7.93	1893	-	-	PT	D 044	-
8914	Details of Condensing Apparatus for Engine Class R24	3" to 1' details of numerous components	- .8.10	1910	R24	J67	PT	D 043	-
8919	No 45 Combination Ejector Vacuum Automatic Brake	Full size arrangement drawing of Gresham & Craven vacuum ejector, mounted on boiler backplate	- .5.93	1893	-	-	PT	D 044	-
8928	Cast Steel Engine Wheels Leading, Driving & Trailing	3" to 1' elevations and section of wheels My comment: Stores Ordering drawing for castings	- .6.93	1893	L33	J14	PT	D 045	-
8933 Att	Alteration to Footplate Casting for T77 Engines Fitted with Vacuum Brake	3" to 1' part plan of casting	24.7.16	1916	T77	J19	PT	D 078	-
8933 Ren	Cast Iron Footplate	3" to 1' drag casting detail Endorsed: larger drawbar pins for J19/J20	- .5.41	1941	-	J17 J19/2 J20	PT	D 080	-
8941	Wheel – Tenders Class T46	Full size section and 3" to 1' elevation of wheel, 4'1" diameter on tread	5.9.07	1907	T46	-	PT	D 015	-
8941	Standard Tender Wheel	3" to 1' elevation and section of wheel 3'6" dia, with ten spokes	15.12.15	1915	-	-	PT	D	-

Part		My comment: Stores Ordering tracing						015	
8967	Cast Steel Leading & Driving Wheels	3" to 1' elevation and section of wheel My comment: Stores Ordering drawing for castings	- .1.94	1894	61	-	PT	D 045	-
8973	Steel Firebox	3" to 1' sectional side elevation of steel firebox for tank engines with full size detail of tube plate and stays My comment: possibly T18 class	14.4.93	1893	T18	J66	PT	D 076	-
8977	Standard Crosshead with Altered Cover to suit Classes K9 & X13	Full size showing detail of slide bar fixing	- .10.93	1893	K9 E10	-	PT	D 079	-
9006	Blast Pipe for Condensing Gear	6" to 1' details of blast pipe with two flap valves	26.7.98	1898	C32	F3	PT	D 056	-
9023	Disc, Destination Board & Brackets	Full size detail drawings for smokebox door brackets, headcode discs and destination board	- .2.25	1925	-	-	PT	D 079	-
9023 Part	Destination Board	Full size details of 1/8" plate destination board with separate handle Endorsed: see Dg Nos 26324-1 and 26231 for destination board brackets	- .7.27	1927	-	N7	PT	D 082	-
9024	Standard Axlebox for Main Line Engines Showing Method of Lubrication	6" to 1' dimensioned arrangement of axlebox	- .12.93	1893	-	-	PT	D 073	-
9024 Part	Leading, Driving & Trailing Axlebox for 6 Wheels Coupled Shunting Engines – Showing Method of Lubrication	6" to 1' arrangement showing worsted trimmings in top wells of box and sponge in well underneath	-	-	T18	J66	PT	D 056	-
9026	(Diagram for W.H. Brake)	Unscaled diagram showing pump, reservoir and piping Endorsed: pipes to be made with solid pressed collars, not brazed	- .12.93	1893	-	-	PT	D 044	-
9058	Frame and Boiler Stay Class T26	3" to 1' arrangement of stay on boiler and full size details Endorsed: superseded for new fireboxes or back plates by Dg No 39006 14.8.54	5.2.94	1894	T26	E4	PT	D 028	-
9075	Flexible Bronze Stay & Drift	Unscaled instructions for fixing flexible bronze stays	- .8.98	1898	-	-	PT	D 045	-
9085	Spring Hangers	Full size elevations, sections and plan of hangers My comment: two drawings on one sheet, Dg No Part 8043, driving and trailing spring hanger T26; Dg Nos 8670 and 8790, driving & intermediate spring hanger C32; leading, driving & trailing spring hanger, N31	26.10.94	1894	T26 C32 N31	E4 F3 J14	PT	D 024	-
9119	Tenders Class 1500 (Type B12)-Westinghouse Brake 13In Brake Cylinder, Piston Cover and Details	Full size section, elevation and plan of cylinder and components and 3" to 1' details	- .10.19	1919	S69	B12	PT	D 060	-
9119	Westinghouse Brake 13In Brake Cylinder, Piston Cover and Details	Full size section, elevation and plan of cylinder and components and 3" to 1' details	6.4.94	1894	-	-	PT	D 088	-
9119 -1 Ren	Westinghouse Brake Cylinder: Piston, Cover & Details	Full size sectioned general arrangement and details	- .5.19	1919	S69	B12	PT	D 033	-
9119 Att	Alteration of 13" W.H. Brake Cyl. For Engines Class F4, 5, 6	Full size details of alteration	- .5.40	1940	-	F4 F5 F6	PT	D 050	-
9136 Part	Automatic Vacuum & Pressure Valve	Full size elevations and plan of valve My comment: valve in vacuum train pipe for applying Westinghouse brake on loco when using vacuum ejector for train brake	- .5.27	1927	-	-	PT	D 043	-
9137	Methods of Fixing Tubes in Tubeplate "Firebox End"	Full size details of 3 methods of fixing	- .3.94	1894	-	-	PT	D	-

		Endorsed: (S.D.O.)						059	
9182-3	Steel 'Serve' Boiler Tubes	6" to 1' details of tube Endorsed: altered 25.9.03	4.2.96	1896	-	-	PT	D 014	-
9228	Westinghouse Brake 3" & 2½" Triple Valves	Full size elevations and sections of the two sizes of valves	24.5.16	1916	-	-	PT	D 088	-
9228 Att	Additional Plunger and Spring for 2½" Triple Valve (For Trial)	Full size elevations and plan of components My comment: for arrangement see 20614	- ..2.16	1916	-	-	PT	D 065	-
9240	Alterations to Spring Gear for 650 Class	Full size details showing new position of cotter on intermediate wheels	- .9.94	1894	M15	F4	PT	D 077	-
9246 Part	Alteration to Spring Gear 255 Class	Full size arrangement for driving wheel only My comment: two hangers lengthened	- .9.94	1894	255	-	PT	D 077	-
9246 Part	Alterations to Trailing End Spring Gear	Full size arrangement My comment: alteration not clear	- .9.94	1894	255	-	PT	D 059	-
9254	Four Wheels Coupled Engines I34, T26 Class-Ashpan and Details	3" to 1' arrangement of ashpan and full size details of fittings	30.10.94	1894	I34 T26	- E4	PT	D 026	-
9261	Six Coupled Tank Engines Class T18, R24, E22- Alteration to Spring Gear with Rubbers	3" to 1' arrangement and full size details of spring and mountings	14.9.94	1894	T18 R24 E22	J66 J67 J68 J69 J65	PT	D 028	-
9265	Alteration to Spring Gear 0417 Class	Full size details of alterations to spring gear	4.10.94	1894	0417	-	PT	D 028	-
9269	Alteration to Spring Gear	Full size details of alterations to spring hangers Endorsed: altered to red 21.12.94	- .10.94	1894	0477	-	PT	D 058	-
9285	Alterations to Spring Gear	Full size details of alterations to spring gear	25.10.94	1894	305 306	-	PT	D 006	-
9287	Spiral Springs for Steam Brake Cylinders	Full size elevations of 11 coil spring 1'11" long, 6¾" diameter	- .8.96	1896	-	-	PT	D 006	-
9289	Alteration to Spring Gear	Full size outline drawing of trailing spring hangers	- .10.94	1894	D27 LM68	-	PT	D 050	-
9304	Engines Type F4-F6	Full size details of blower	- .7.33	1933	-	F4 F5 F6	PT	D 030	-
9304-3	Blower Socket & Gear	Full size arrangement of operating gear for blower valve on smokebox	- .10.19	1919	S69	B12	PT	D 050	-
9304-4	Blower Socket & Gear	Full size details for blower operating gear	- .1.25	1925	-	N7	PT	D 060	-
9335	Alteration to Framing & Driving Spring Hangers	Full size and 3" to 1' details of different hangers and brackets	- .3.95	1895	O18	F4	PT	D 078	-
9336	Alteration to Spring Gear 140 Class	Full size details of gear as altered only	17.12.94	1894	140	-	PT	D 027	-
9338	Westinghouse Brake Coupling	Full size arrangement and details of coupling and hose with canvas covering Endorsed: altered 26.4.97, 9.07, 3.10.01, 21.9.09, 8.11.09 & 24.12.19	- .9.09	1909	-	-	PT	D 081	-



9338 Part	Coupling Ends & Clips (W.H. Brake)	Full size details of malleable cast iron components	- .2.01	1901	-	-	PT	D 043	-
9341 Ren	Axlebox for Engines Classes Driving and Trailing T19-D13, T26-E4; Driving and Intermediate C32-F3; Leading and Trailing S44-G4; Trailing Only F48, G58, E72-J17-19; Leading and Intermediate N7	Full size elevation, sections and plan of axlebox Endorsed: alteration to 6.45	- .11.39	1939	T19 T26 C32 S44 F48 G58 E72	D13 E4 F3 G4 J16 J17 J18	PT	D 042	-
9341	Axlebox for Engines Classes: D&T – T19 & T26; D&I – C32; L&D – S44; T – F48, G58, E72; Int – L77	Full size elevations, sections and plans of axlebox with 7½” dia. axle x 9” journal Endorsed: Title altered June 1925, former title read:- GER Six Wheels Coupled Goods Engines F48, G58, E72. Trailing Axlebox; for N7 see Dg No 32292-4/1935	- .2.19	1919	T19 T26 C32 S44 F48 G58 E72 L77	D13 E4 F3 G4 J16 J17 J18 N7	PT	D 054	-
9341 Part	Sketch Showing Oil Grooves in Trailing Axleboxes	6” to 1’ arrangement	- .11.09	1909	T19	D13	PT	D 052	-
9341 Att	Axle-box-Alterations to Whitemetal	Full size details of alterations My comment: superseded by Dg No 9341 dated -.2.19	- .10.14	1914	T19 T26 N31 C32 S44 F48 G58 E72 L77	D13 E4 J14 F3 G4 J16 J17 J18 N7	PT	D 039	-
9352 Part	Steam Cylinder for Westinghouse Pump	Full size detail of steam cylinder of 6” dia pump	- .2.20	1920	-	-	PT	D 061	-
9353 Ren	Westinghouse Brake-Details of Pump	Full size details of components	7.11.25	1925	-	-	PT	D 088	-
9371 Part Ren	Blast Pipe	6” to 1’ sectional elevation and plan of 3 types of blast pipe	13.9.48	1948	-	F3 J65 J66 J67 J68 J69	PT	D 084	-
9371 Part	Macallan’s Variable Blast Pipe	Full size blast pipe top with Macallan cap	- .7.16	1916	-	-	PT	D 059	-
9371 Part	Blast Pipe	3” to 1’ detail of blast pipe with Macallan cap and operating rod My comment: see renewal copy 13.9.48	- .2.17	1917	Y14	J15	PT	D 074	-
9378	Eight Wheels Main Line Passenger Tank Engines Class C32, G35-Outside Leading and Trailing Hornblocks	Full size elevations and plan My comment: stores ordering drawing	- .4.95	1895	C32	F3	PT	D 059	-

9403	Four Wheels Coupled Tank Engines Class M15 Rebuilt, O18 & P55-Connecting Pipes for Tanks	Full size elevations of pipes and flanges and 3" to 1' arrangement of complete assembly Endorsed: see Dg No 16992 for stiffening plate and rivet holes in angle iron	- .5.20	1920	M15 P55	F4 F5	PT	D 024	-
9403 Part	Six Wheels Coupled Tank Engines Class N7-Vent Pipe for Casting for Back Tank	3" to 1' elevations and plan of vent	29.1.25	1925	-	N7	PT	D 024	-
9408	Position of Furness Lubricator	3" to 1' arrangement shown on two drawings of position for named classes	21.3.95	1895	T19 T26 C32 D27 N31	D13 E4 F3 J14	PT	D 024	-
9423	Steel Tubes	Unscaled sketches of 1 5/8" dia. tubes My comment: two separate drawings with the same No: 9423 – No 1 class; 9423-1 No 51 class, altered to 1A -.11.21	- .2.20	1920	G69 S56	F6 J69	PT	D 037	-
9423 -1	Steel Tubes	Unscaled sketches of tubes 1.625" O.D. x 13 SWG, length – blank My comment: appears to be the same as Dg No 9423-2, but dimensions are in decimal inches. Superseded by Dg No 26727	-	-	-	-	PT	D 037	-
9423 -2	Steel Tubes	Unscaled sketches of tubes 1 5/8" O.D. x 13 SWG, length blank My comment: Stores Ordering drawing	- .2.22	1922	-	-	PT	D 038	-
9423 -2	Steel Tubes	Unscaled details of tubes 1 5/8" O.D. x 13 SWG, length blank Endorsed: two tracings, one marked 'duplicate Feb 25 – 1922' My comment: Stores Ordering drawing	- .11.21	1921	-	-	PT	D 038	-
9438 Part	Clip-Westinghouse Brake Pipe (Front Beam – Bottom)	Full size details of component	- .8.54	1954	-	-	PT	D 037	-
9533	Cast Steel Axlebox Keeps	Full size elevations and plan of keeps Endorsed: cancelled, see Part Dg No 9556 My comment: Stores Ordering drawing for castings	- .11.95	1895	T18	J66	PT	D 060	-
9534	Steam Brake Cylinder Class T18	Full size arrangement of cylinder Endorsed: altered 27.5.08 for B74; see tracing dated 10.95	- .10.95	1895	T18	J66	PT	D 069	-
9537	Six Wheels Coupled Tank Engines Class T18-Details of Steam Brake	3" to 1' details of numerous components	- .3.96	1896	T18	J66	PT	D 069	-
9556 Att	Six Wheels Coupled Tank Engines Classes T18, C37, G75, R24, S56-Alteration to Whitemetal of Leading, Driving and Trailing Axleboxes	Full size elevation of metalling Endorsed: superseded by new Dg No 9556 9.25	- .5.15	1915	T18 R24 C72 S56	J66 J67 J68 J69	PT	D 055	-
9556	Leading, Driving & Trailing Axleboxes	Full size detailed arrangement of axleboxes Endorsed: For driving axlebox for T18 class engines fitted with new crank axle see Dg No 25529 Sept. 1925	- .2.20	1920	E22 T18	J65 J66	PT	D 060	-
9556 Part	Cast Steel Axlebox Keeps	Full size elevations and plan of keeps My comment: superseded by Dg No 25529 Pt; Stores Ordering drawing	- .6.12	1912	T18	J66	PT	D 060	-
9561	Piston & Rod	Full size elevations and section of component Endorsed: see Dg No 14993; drawing traced from Dg Nos 6159 and 7917	- .10.95	1895	Y14	J15	PT	D 074	-
9588	Tank Engines Classes T18, E22, R24, C32, G75-	Full size details of various pipes, valves, flanges and brackets	31.1.16	1916	T18	J66	PT	D	-

Ren	Injector, Clothing and Pipe Details				E22 R24 C32 G75	J65 J67 F3 J68		086	
9617 Part	Method of Fastening Keeps of Outside Leading Axleboxes	Full size arrangement of fastening with four pins	- .4.97	1897	T19	-	PT	D 048	-
9622	Standard Steam Brake Valve	Full size elevations, section and plan of valve My comment: superseded by Dg No 29729 8.6.31	10.2.96	1896	-	-	PT	D 046	-
9622 -1	Steam Brake Valve	Full size details of valve, valve face lubricator and brake cylinder lubricator My comment: see Dg No 29729	1.11.29	1929	-	-	PT	D 030	-
9639 -1	Feed Cock for Davies & Metcalfe Exhaust Injector	Full size details of cock Endorsed: Not required for engines type B12, D14-D16, fitted with Class 'H' exhaust injectors, see Dg No 28702. 4.4.1935	- .7.19	1919	S69	B12	PT	D 048	-
9668	Special Hornblock for Eng. No 727	6" to 1' elevation, section and plan of hornblock	- .3.96	1896	T19	-	PT	D 043	-
9697	Six Wheels Coupled Goods Engines Y14 Class-Details of Steam Brake	3" to 1' and full size details of components	- .3.01	1901	Y14	J15	PT	D 079	-
9706	Steel Firebox	3" to 1' arrangement of firebox for 4'1" dia. boiler; 4'6" over outside of box; steel inner box 1/4" thick; flexible stays	4.5.96	1896	-	-	PT	D 073	-
9710	Diagram of Engine No 1075	1/4" to 1' side elevation and end elevations of engine My comment: dimensioned to 1/4" to 1', to nearest 1/32". Did they build a 1/4" to 1' scale model?	5.5.96	1896	C32	F3	PT	D 075	-
9711	Diagram of Engines Nos 332 & 335	1/4" to 1' side elevation and end elevations My comment: dimensioned to 1/4" to 1', to nearest 1/32"	5.5.96	1896	R24	J67	PT	D 075	-
9744	Six Wheels Coupled Goods Engine Y14 Class Fitted with Steel Firebox and Steam Brake X45-Ashpan and Details	3" to 1' arrangement of ashpan, full size details of components Endorsed: altered 27.10.33; altered in red for engines with copper fireboxes My comment: badly waterstained	- .6.96	1896	Y14	J15	PT	D 074	-
9754 -3	N.E.Rly Compound Goods Engine No 1305 (Indicator Diagrams)	1" = 50lbs, 1" = 80lb diagram for trip Widdington Colliery to Newcastle Nov. 30, 1887, nine cards drawn, IHP given Endorsed: compared to GER No X' Copy of (probably) tracing of drawing sent by NERY and signed T.W. Worsdell	- .12.88	1888	NER	-	PT	D 080	-
9754 -4	Goods Engine No 127-Indicator Diagrams Whitemoor to Temple Mills Nov. 6 1890	1" = 100lbs six sets of diagrams. My comment: IHP and MEP given for each cylinder, for No 127 in compound form, for example: 25 mph; 433 HP; High 240 HP; Low 193 HP	17.11.90	1890	DP203	J14	PT	D 080	-
9754 -5	Indicator Diagrams from Eng. No 127. Jan 21. 1891	1" = 100lbs diagram My comment: total weight of train 434 tons, IHP and MEP given, no location, but speed and gradient shown, with cut off	26.8.91	1891	DP203	J14	PT	D 080	-
9763	Cast Steel Driving & Trailing Wheels & Axles	3" to 1' elevations and sections of 6'1" dia. driving wheels with eccentrics for outside cylinders My comment: drawn by S.D.O., Dg No 1074, with 16 spokes	26.6.96	1896	-	-	PT	D 085	-
9791	Steel Tube for Vacuum Brake	3" to 1' details of tube for engines having boilers to Dg No 8036 &	21.7.96	1896	S46	D14	PT	D	-

		S46 class (18'11" length, 26.5.03) My comment: superseded by Dg No 16249 30.10.07						006	
9896	Cast Steel Engine Wheels	Full size part elevation and section of 3'2" diameter wheel without tyre and 3" to 1' of whole wheel	13.11.96	1896	G40	Y5	PT	D 001	-
9936	Steel Rings for Boilers, G15 0-4-0T Tram Engs	1½" to 1' elevations of boiler ring	19.11.96	1896	G15	Y6	PT	D 001	-
9937	Steel Boiler Angle Rings – G15 0-4-0T Tram F40 Batch	Full size section of angle ring	19.11.96	1896	G15	Y6	PT	D 001	-
9938	Cast Steel Hornblocks	6" to 1' elevations and plan of hornblocks	21.12.96	1896	G40	Y5	PT	D 009	-
9949 Ren	Four Wheels Coupled Engines Class G40 Class-Connecting Rod	Full size elevation and plan of rod 5'6½" centres Endorsed: altered 18.7.21, 6.4.25 & 8.33	- .12.20	1920	G40	Y5	PT	D 001	-
9987 Part	Frame Casting	1½" to 1' detail of smokebox saddle and stretcher casting	- .1.13	1913	G40	Y5	PT	D 052	-
9999 -1	Steel Axles	3" to 1' and full size details of forgings of driving axle My comment: Stores Ordering drawing	- .1.97	1897	209	Y5	PT	D 068	-
9999 -2	Steel Axles (Leading)	3" to 1' elevations and section of axle My comment: Stores Ordering tracing	14.1.97	1897	209	Y5	PT	D 023	-
10001 Part	Sketch of Trailing Footstep	1½" to 1' elevations and plan of footstep	- .10.14	1914	S44	G4	PT	D 082	-
10004 Att	Brackets for Strengthening Lug for Brake Gear on 1100 Class Reservoir Footplate	6" to 1' details of 'L' plates, ¾" thick, bolted to reservoir	- .7.12	1912	S44	G4	PT	D 062	-
10007 Ren	Four Wheels Coupled Bogie Tank Engines Class S44-Brake Details	3" to 1' details of components	- .3.18	1918	S44	G4	PT	D 067	-
10008 Att	Alteration to Driver's Brake Valve Bracket	1½" to 1' scrap view of firebox and brake valve and 6" to 1' details of bracket Endorsed: shape of bracket altered 27.9.22	- .12.17	1917	S44	G4	PT	D 022	-
10009 Part	Sketch of Bogie Spring Gear	3" to 1' outside view of half bogie frame, axlebox and spring	- .2.06	1906	S44	G4	PT	D 070	-
10127	Six Wheels Coupled Goods Engines N31, F48, G58, E72, T77-Steam Brake Details	3" to 1' and full size details Endorsed: altered 6.11.41	- .3.01	1901	N31 F48 G58 E72 T77	J14 J16 J17 J18 J19	PT	D 023	-
10127 Part	Brake Pull Rod	3" to 1' details of pull rod My comment: for J17 with built-up crank axles	- .3.37	1937	-	J17	PT	D 053	-
10203	Toothed Wheels and Chain for Driving Governing Gear of Tram Engines	Full size elevations of gear	- .8.97	1897	G15	Y6	PT	D 045	-
10266 Part	Cast Steel Piston Heads	Full size elevation, section and plan of head Endorsed 'R.S.' ; for express engines with 25" stroke My comment: Stores Ordering drawing	- .5.99	1899	T19	D13	PT	D 077	-
10290 Part	Sets Cast Steel Roof Bars	3" to 1' details of bars to suit 10'0" mainline boilers 4'4" dia. and 160 psi My comment: cancelled, see Dg No 16608 12.11.08: Stores Ordering drawing	- .4.07	1907	Y14 T19 T26 N31	J15 D13 E4 J14	PT	D 074	-

					D27 C32	F3			
10293	New Tophead Arranged for Existing 6/6½" Air Pump	Full size details of tophead Copy of Westinghouse Brake Co. Dg No 14341 dated 1.10.94 My comment: shows a 'tophead' of similar design to the 8/8½" pump, with slide valve, fitted to on red (sic) pattern 6/6½" pump, replacing the distribution piston valve on the side. Probably never used on the GERy	- .6.94	1894	-	-	PT	D 066	-
10304	Slide Bar	3" to 1' arrangement and full size details	- .5.35	1935	-	J69	PT	D 060	-
10345	Metallic Packing Adapted to M15 Rebuilds and 0230 Class-Arrangement and Details	Full size arrangement and details of packing	13.1.04	1904	M15 G16	F4	PT	D 015	-
10352	Metallic Piston Rod Packing for Engines Class T19, LM68, P43	Full size details of whitmetal packing	- .1.04	1904	T19 LM68 P43	D13	PT	D 076	-
10354	Steel Boiler Tubes	6" to 1' tubes 1¾" O.D. Endorsed: to be used for special purposes only. <u>Not</u> to be used for stores orders	20.2.99	1899	P43	-	PT	D 020	-
10354 -2	Steel Tubes	Unscaled sketch of 1¾" O.D. x 13 SWG boiler tube My comment: Stores Ordering drawing	- .8.26	1926	-	-	PT	D 056	-
10357	G.E. Engine & Tender Buffers	Full size elevations, section and plan of two types, one with rubber springs and the other with volute springs	- .3.40	1940	-	-	PT	D 077	-
10374	Metallic Packing Adapted to C32, T23, T26, Y14, N31 Class Engines 552-561 (E4, F3, F4, F5, F6, J15)	Full size details of whitmetal packing Endorsed: altered 29.1.48	- .1.04	1904	C32 T23 T26 Y14 N31	F3 J15 E4 J15 J14	PT	D 073	-
10374 Part	Spring for Piston Metallic Packing	Full size details of square-section spring	- .11.25	1925	Y14	J15	PT	D 061	-
10375	Cast Steel Tender Spring Hanger Brackets	Full size details of bracket My comment: Stores Ordering drawing	- .2.98	1898	R43	-	PT	D 052	-
10378 Part	Cupboard for Tender Tank	1½" to 1' end view of tender showing cupboard on coal plate	- .11.06	1906	R43	-	PT	D 053	-
10378 Att	Arrangement of Water Gauge on Tender	1½" to 1' scrap elevations and plans of corner of tender, water gauge and piping in red ink My comment: drawing was originally 10378 Part	- .1.02	1902	R43	-	PT	D 032	-
10400	Steel Crank Axle	3" to 1' details of axle My comment: Stores Ordering drawing for forging circular webs	11.8.02	1902	P43	-	PT	D 063	-
10425 Part	Sets of Firebars	3" to 1' details of firebars, 80 per set My comment: cancelled see Dg No 16209	-	-	F48	J16	PT	D 050	-
10426 Part	India Rubber Pads for Bogie	3" to 1' plan and section of circular pad 2' dia. with 8" central hole	1.12.20	1920	D56	D15	PT	D 015	-
10441	Four Wheels Coupled Express Engines Class S46 – Injector Steam Cock	Full size detailed arrangement of cock	-	-	S46	D14	PT	D 010	-
10447	Six Wheels Coupled Bogie Express Engines Class	Full size elevation and plan of two types of hinge for leading and	23.10.19	1919	S69	B12	PT	D	-

Att	1500 (Type B12)-Hinges for Flap Plate	trailing ends						008	
10448	Six Wheels Coupled Bogie Express Engines and Tenders Class 1500-Rail Guard	3" to 1' elevations of rail guards	24.7.19	1919	S69	B12	PT	D 009	-
10452 -I	Six Wheels Coupled Bogie Express Engines 1500 Class Type B12-Reversing Shaft Spring	Full size details of reversing shaft spring My comment: see Dg No 30225 for B12/3	11.8.19	1919	S69	B12	PT	D 010	-
10452 Part	Reversing Springs	Full size details of coil spring for reversing shaft My comment: see Dg No 7091	- .3.00	1900	P43 S46	D14	PT	D 067	-
10453	India Rubber Cylinders for Bogie Slide Controlling Springs	Full size elevation and plan of cylinders	- .12.15	1915	P43 S46	D14	PT	D 057	-
10458	Details of Blast-Pipe Gear-(Macallan Blast Pipe)	Full size arrangement of operating rod and crank, and details of components My comment: refer to Dg No 11107 for details for S46, D56, G58	- .11.21	1921	T19 Y65 S46 D56 F48 G58	D13 F7 D14 D15 J16 J17	PT	D 081	-
10461 Att	Six Wheels Coupled Tram Engines Class C53-Oil Box for Piston Rod Gland, Valve Spindle Gland and Valve Spindle Guide	Full size elevation, section and plan of components	- .2.21	1921	C53	J70	PT	D 001	-
10461 Att No 6	Alteration to Lid of 3 Feed Oil Box for Axlebox Lubrication for J17, J19-2, J20, N7 Leading	Full size elevation and plan of lid and section on centre line	- .5.45	1945	-	J17 J19/2 J20 N7	PT	D 015	-
10461 Att	Six Wheels Coupled Tank Engines Class R24, S56 – Oilbox for Trailing Axlebox for Engines Fitted to Dg 19991	Full size details of oilbox Endorsed: altered 24.10.54	26.5.16	1916	R24 S56	J67 J69	PT	D 015	-
10480	Four Wheels Coupled Bogie Express Engines Class S46, D56-Driving and Trailing Wheels	3" to 1' elevation and section of wheel My comment: stores order tracing; cancelled see Dg No 11602 13.5.01	27.6.99	1899	S46 D56	D14 D15	PT	D 009	-
10480	Four Wheels Coupled Bogie Express Engines Class S46, D56-Driving and Trailing Wheels	3" to 1' elevation and section of wheel Endorsed: superseded by Dg No 22619 24.1.23	- .4.99	1899	S46	D14	PT	D 010	-
10481 Part	Cast Steel Driving Hornblocks	6" to 1' elevation, section and plan of hornblock My comment: Stores Ordering drawing for castings	- .3.16	1916	S46	D14	PT	D 042	-
10481	Driving Hornblock & Axlebox	6" to 1' detailed arrangement of components	- .5.99	1899	S46	D14	PT	D 041	-
10482	Four Wheels Coupled Bogie Express Engines Class S46, D56-Bogie Wheel	6" to 1' elevation and part section of wheel and full size section of boss Endorsed: altered for larger boss, undated	- .4.99	1899	S46	D14	Pt	D 042	-
10485	Driving & Trailing Spring Brackets & Shield	Full size details of components	24.4.99	1899	S46	D14	PT	D 042	-
10485 Part Ren	India Rubber Oval Slabs	Full size details of slabs for driving and trailing wheels Endorsed: renewal of tracing July 1915 My comment: Stores Ordering drawing	- .7.15	1915	S46 L47	D14	PT	D 042	-
10485 Part	Cast Steel Rubbers Shields	Full size details of components My comment: Stores Ordering drawing for castings for driving and	- .3.16	1916	S46	D14	PT	D 042	-

		trailing wheels							
10485 -1	Cast Steel Trailing Spring Brackets	Full size details of brackets for castings for S69 intermediate and S46, M51 trailing My comment: Stores Ordering drawing	- .3.16	1916	S46 M51 S69	D14 D14 B12	PT	D 042	-
10485 -2	Cast Steel Driving Spring Brackets	Full size details of brackets My comment: Stores Ordering drawing for castings	- .3.16	1916	M51 S69	D14 B12	PT	D 042	-
10486	Four Wheels Bogie Express Engines Class S46, D56- Cast Steel Motion Plate	3" to 1' elevations of plate	25.4.99	1899	S46	D14	PT	D 042	-
10486	Cast Steel Motion Plate	3" to 1' details of motion plate My comment: Stores Ordering drawing for castings	- .1.16	1916	S46	D16	PT	D 042	-
10488	Four Wheels Coupled Bogie Express Engines Class S46, D56-Bogie Axlebox	Full size elevation, section and plan of axlebox with 9" journal	- .5.99	1899	S46	D14	Pt	D 042	-
10488 -1	Bogie Axlebox	Full size elevations, sections and plan of axlebox Endorsed: Red figures solved out & black figures left in for prints sent to Beardmores for D56 repairs. Bore, face and oil groove cross-hatched for machining. Bogie axlebox cover drawn in position & 6" scale plan shown on prints. Two notes deleted	- .6.19	1919	D56	D15	PT	D 042	-
10489	Four Wheels Coupled Bogie Express Engines Class S46-Westinghouse Reservoir Footplate	3" to 1' elevations and plan of footplate Endorsed: for F53 and future engines see Dg No 12742; Dg No 12742 show 3 compartments in footplate	- .6.05	1905	S46	D14	Pt	D 064	-
10491	Four Wheels Coupled Bogie Express Engines Class S46-Coupling Rod	1½" to 1' arrangement and full size details of coupling rod My comment: part of right margin and Dg No missing	20.2.00	1900	S46	D14	PT	D 041	-
10492	Cast Steel Roof Bars	3" to 1' details of roof bars My comment: Stores ordering drawing for castings for 4'9" round top boilers	- .6.99	1899	S46 F48	D14 J16	PT	D 050	-
10492	Roof Bars for Engines Fitted with 4'9" Boilers Class S46 F48	3" to 1' details of 4 types of roof bar	20.5.99	1899	S46 F48	D14 J16	PT	D 019	-
10496	Four Wheels Coupled Bogie Express Engines Class S46, D56-Bogie Details	3" & 6" to 1' details of 13 bogie components Endorsed: for hangers see Dg No Att10496; bogie details see also Dg No 23985 and Dg No 32189 for stayed dust shield 12.34	30.8.16	1916	S46 D56	D14 D15	PT	D 019	-
10496 Att	Bogie Spring Hanger & Pins	6" to 1' details of components Endorsed: see Dg No 23958-E'	- .12.20	1920	S46	D14	PT	D 066	-
10497	Four Wheels Coupled Bogie Express Engines S46- Bogie Spring	3" to 1' elevation, section and plan of 14 plate spring 4' 0 ¾" centres unloaded Endorsed: altered 4.11.08, 1.1.10 & 12.33	- .9.99	1899	S46	D15	PT	D 017	-
10497	Bogie Springs	3" to 1' half elevation, section and plan of spring My comment: Stores Ordering drawing for springs	- .11.99	1899	S46	D14	PT	D 066	-
10499 Att	Cylinders for G58 Class Coal Engines-Alteration to Steam Pipe Flange for Engines Fitted with Superheater	3" to 1' sections of alteration	- .9.14	1914	G58	J17	PT	D 038	-
10499 Att	Alteration to D15-16 Slide Valve Cylinders to suit J17 Class Engines	3" to 1' sectioned half-elevations of cylinder casting My comment: duplicate master; thickness of webs and additional webs added 18.7.42	- .12.40	1940	F48 G58	J17	PT	D 017	-
10499 Att	Alteration to D15-16 Slide Valve Cylinders to suit J17 Class Engs	3" to 1' sectioned half-elevations of cylinder casting Endorsed: see attachment dated 17 Sep 1941	- .12.40	1940	F48 G58	J17	PT	D 017	-

10516	Tenders Class R43, T46 Classes-Axle Box	Full size elevations and sections of axle box for 11" x 5 1/2" journals Endorsed: for renewals see Dg No 28902 and Attachment	- .6.00	1900	R43 T46	-	PT	D 075	-
10516 Att	Covers for Oil Holes on Tender Axleboxes (In Place of Screw Plugs)	Full size details of cover on top of box My comment: origin appears to be C.M.E.O. Norwich	- .8.15	1915	-	-	PT	D 078	-
10578 Att	Alteration to Coal Bunker Door for 1100 Class Tank Engines	1 1/2" to 1' elevation of coal bunker door My comment: nature of alteration not shown	16.7.17	1917	S44	G4	PT	D 026	-
10588 Att	Six Wheels Coupled Tank Engines Type J66 and J67 (T18 & R24 (160 Lbs) Boiler)-Additional Mud Plugs in Back Plate of Boiler	3" to 1' fully detailed end elevation of boiler back plate	- .9.25	1925	-	J66 J67	PT	D 053	-
10588 Part	Firebox	1 1/2" to 1' arrangement of firebox end of boiler, showing backplate detail	- .6.25	1925	-	J66 J67	PT	D 046	-
10588 Part	Proposed Additional Washout Plug in each side of Backplate for Engines J65, 66, 67	Unscaled details, showing two additional plugs	- .1.29	1929	-	J65 J66 J67	PT	D 051	-
10589 Part	Cast Steel Bogie Slides	3" to 1' elevation and plan of slide My comment: Stores Ordering drawing for castings	- .7.98	1898	S44	G4	PT	D 051	-
10589 Part	Bogie Tank Engines Class S44-Cast Steel Bogie Centres	3" to 1' elevations, section and plan of centre My comment: Stores Ordering drawing for castings; drawn by C.A. Moore, checked by Fred Russell	5.7.98	1898	S44	G4	PT	D 026	-
10595	Four Wheels Coupled Bogie Tank Engines Class S44-Bogie Pin	3" to 1' elevation, section and plan of pin My comment: stores ordering drawing	- .7.98	1898	S44	G4	PT	D 081	-
10615	Driving Hornblocks for T19 Class Repairs	6" to 1' elevations of hornblock	5.8.98	1898	T19	D13	PT	D 023	-
10631 Ren	Tank Engines M15 Class Rebuilt, L77 & K85-Valve for Condensing Gear	Full size sectional elevation and plan of gear My comment: drawing originally for M15 Rebuilt	- .11.20	1920	M15R L77 K85	F5 N7	PT	D 038	-
10631 Att	Six Wheels Coupled Tank Engines Class N7-Lever for Condensing Valve in Blast Pipe	Full size details of gunmetal lever	- .6.25	1925	-	N7	PT	D 015	-
10679	Bogie Check Springs-Spencer's No 3A	Full size details of rubber moulding and arrangement of washers	7.11.98	1898	S46 P43	D14	PT	D 002	-
10679 -I	Bogie Check Springs-Spencer's No 3A	Full size details of rubber moulding and arrangement of washers	14.10.20	1920	S46	D14	PT	D 002	-
10724	Cylinders for Engines Classes I45, S45, X45, P55	3" to 1' elevations, sections and plan of cylinders cast in one piece Endorsed: altered for classes P55 & D58 plus other alterations	- .1.99	1899	I45 S45 X45 P55	J15 F5	PT	D 056	-
10724 Att	Four Wheels Coupled Radial Tank Engines P55 Class-Alteration to Cylinders	3" to 1' sections and plan of cylinders showing alterations to cylinders for I45, etc on Dg No 10724 to suit F4, F5 and F6	- .4.16	1916	P55	F4 F5 F6	PT	D 056	-
10724 Att	Alterations to Cylinders-Tank Engines P55 Class	3" to 1' elevation, section and plan of smokebox and cylinder top detail My comment: see Dg No 10724 for other dimensions	- .1.16	1916	P55	F4 F5	PT	D 044	-
10726	Six Wheels Coupled Goods Engines Class X45-Cast Steel Wheels	Full size part elevation and plan of 4'11" wheel on tread, 15 spokes and 1 1/2" to 1' elevation of wheel	- .5.99	1899	X45	J15	PT	D 055	-



		My comment: stores ordering drawing							
10733	Six Wheels Coupled Tank Engines J66 to J69-Metallic Packing for Piston Rod and Valve Spindle	Full size details of components and packing for engines fitted with T18 cylinders Endorsed: altered 28.1.48	- .6.99	1899	-	J66 J67 J68 J69	PT	D 037	-
10733 Part	Spring for Piston Rod Metallic Packing	Full size details of spring	- .11.25	1925	T18	J66 J67 J68 J69	PT	D 043	-
10733 Att	Spring for Valve Spindle Metallic Packing	Full size details of spring	- .11.25	1925	T18	J66 J67 J68 J69	PT	D 043	-
10737 Part	Sets of Cast Steel Hornblocks	6" to 1' elevation, section and plan of hornblock Endorsed: cancelled, see new Dg No 10829 6.12.15 My note: Stores Ordering drawing	- .1.99	1899	I45 S45 X45	J15	PT	D 068	-
10737 Part	Cast Steel Spring Brackets	6" to 1' elevation and plan of bracket My note: Stores Ordering drawing	- .2.99	1899	Y14	J15	PT	D 078	-
10762	Goods Engines H33 Class-Apparatus for Testing Motion Balancing	3" to 1' and full size arrangement and details of apparatus My comment: engine appears to have been suspended from two cranes by 4 chains, and wheels revolved (in steam?!); oscillations indicated by pointers on scales at suspension points	- .2.99	1899	H33	J14	PT	D 026	-
10767	Springs for Balancing Link Motion for Engines Classes K9; No 1; 51;	Full size elevations of two types of spring Endorsed: altered for L77 class; for stores ordering drawing see No 10767 Part	- .2.99	1899	I K9 E10 Y14 L77	J15 N7	PT	D 075	-
10767 -I	Spring for Balancing Motion for Engines Class N7	Full size details of springs	- .6.25	1925	-	N7	PT	D 049	-
10767 Part	Spring for Balancing Link Motion	Full size details of spring Endorsed: cancelled see Dg No 10767-I for N7 class	- .3.18	1918	Y14	N7	PT	D 079	-
10767 Part	Spring for Balancing Motion for Engines Class Y14	Full size details of spring for original Y14 class; spring attached externally to weigh bar shaft 1' 10½" long unloaded	- .6.35	1935	Y14	J15	PT	D 079	-
10772	Arrangement of Springs for Balancing Link Motion	1½" to 1' elevations showing 7 spring arrangements for K9, M12, X13; 37 & 61; 552; 135; 0477; No 1 and 209 classes	- .3.99	1899	-	-	PT	D 073	-
10797	Weights in Working Order	¼" to 1' diagram of wheelbase and weights	8.3.99	1899	S44	G4	PT	D 075	-
10813	Four Wheels Coupled Bogie Express Engines Class S46-Bogie Axle	3" to 1; elevation of 5' 7 ¼" long axle Endorsed: see Dg No 23829 for next order of D56 bogie centres	- .5.16	1916	S46	D14	PT	D 060	-
10817	Crank Axle	3" to 1' elevations and section of original D14 axle, forged oval with hoops	- .7.99	1899	S46	D14	PT	D 060	-
10817	Steel Crank Axles	3" to 1' elevations, section and plan of axle for engine Nos 1890-1900 Endorsed: superseded by Dg No 28409 Part My note: Stores Ordering drawing	- .9.21	1921	S46	D14	PT	D 055	-

10820	Trailing Axle	3" to 1' elevation, section and plan of axle Endorsed: also for B12 without side play in trailing axle 26.4.28	- .6.99	1899	S46	D14 B12	PT	D 060	-
10820 -1	Steel Axles	3" to 1' elevations and section of axle, trailing for S46; intermediate for S69 Endorsed: intermediate and trailing for B12 without side play in trailing axlebox 26.4.28	- .12.26	1926	S46 S69	D14 B12	PT	D 060	-
10824	Trailing Hornblocks and Axlebox	6" to 1' elevations, sections and plan of hornblocks	- .4.99	1899	S46	D14	PT	D 017	-
10824 -2 & 1	Cast Steel Hornblocks	6" to 1' elevations, sections and plan of two hornblocks, one with separate horncheeks, the other with wedge My note: Stores Ordering drawing	- .5.99	1899	S46	D14	PT	D 050	-
10825	Four Wheels Coupled Bogie Express Engines Class S46, D56, S69-Bogie Hornblock and Stay	6" to 1' elevations and plan My comment: tracing water damaged	- .4.99	1899	S46 D56 S69	D14 D15 B12	PT	D 050	-
10825 -1	Cast Steel Bogie Hornblocks	6" to 1' elevations, sections and plan of hornblocks My note: Stores Ordering drawing	30.8.10	1910	S46	D14	PT	D 017	-
10829	Leading, Driving and Trailing Hornblocks	6" to 1' elevations, sections and plan of hornblocks	- .6.58	1958	-	J15	PT	D 079	-
10829 Part	Sets of Cast Steel Hornblocks	6" to 1' elevations, sections and plan of hornblocks My note: Stores Ordering drawing	6.12.15	1915	S45 X45	J15	PT	D 088	-
10834	Cast Steel Bogie Pins and Stretchers	3" to 1' elevation, section and plan of pins and stretchers under cylinders My note: Stores Ordering drawing	- .5.99	1899	S46	D14	PT	D 050	-
10834	Bogie Pin and Stretcher	3" to 1' elevation, section and plan of stretcher	24.4.99	1899	S46	D14	PT	D 050	-
10834 Part	Cast Steel Bogie Pins and Stretchers	3" to 1' elevation, section and plan of stretcher My note: Stores Ordering drawing	- .6.34	1934	-	D14 D15 D16	PT	D 050	-
10837	Cast Steel Bogie Centres and Slides	3" to 1' elevations, sections and plan of components Endorsed: altered for D56 and S69 My note: Stores Ordering drawing	- .7.99	1899	S46 D56 S69	D14 D15 B12	PT	D 067	-
10837	Cast Steel Bogie Centres and Slide	3" to 1' elevations, sections and plan of components My note: tracing water damaged	-	-	S46 S69	D14 B12	PT	D 050	-
10837 -1	Cast Steel Engine Bogie Slide	3" to 1' elevation, section and plan of slide My note: Stores Ordering drawing	- .10.02	1902	S46	D14	PT	D 050	-
10837 -2	Cast Steel Engine Bogie Centre	3" to 1' elevation, section and plan of centre Endorsed: see Dg No 33569-1 for future bogie centres for B12 engines My note: Stores Ordering drawing; tracing water damaged	- .10.02	1902	S46	D14	PT	D 050	-
10839	Coupling Rod	Full size elevation and plan of rod Endorsed: superseded by dg No 27365 12.11.27	- .2.00	1900	S46	D14	PT	D 069	-
10852	Four Wheels Coupled Bogie Express Engines Class S46, D56-Gauge Column and Test Cock	Full size elevations and sections of column and cock Endorsed: this drawing of gauge column superseded by Dg No 16622	- .3.00	1900	S46 D56	D14 D15	PT	D 037	-
10853	Sketch Showing Alteration to Trailing Sand Pipe, etc	3" to 1' sketch of alterations and full size details of components	19.5.99	1899	P43	-	PT	D	-

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10861	Cast Steel Trailing Brake Hanger Brackets	Full size elevations and plans of brackets My note: Stores Ordering drawing	- .7.99	1899	S46	D14	PT	D 034	-
10861 Part	Cast Steel Tender Spring Hanger Brackets	Full size elevations and plans of brackets My note: Stores Ordering drawing	- .9.14	1914	T46	-	PT	D 056	-
10863	Tender Class T46-Type B12-Details of Spring Gear	Full size details of components Endorsed: see Dg No 35134 for modifications	- .6.99	1899	T46 S69	D14 B12	PT	D 088	-
10880	Tenders Class T46-Flanged Plates	3" to 1' details of plates Endorsed: thickness of flanged plates altered 29.11.41	30.6.99	1899	T46	-	PT	D 039	-
10892	Reversing Rod	3" to 1' arrangement of rod and full size details for original horizontal rod, air reverse cylinder in cab	- .12.99	1899	S46	D14	PT	D 039	-
10904	Four Wheels Coupled Bogie Express Engines Class S46, D56, H88-Platform Step	3" to 1' elevations and plan showing cast iron step on leading driving wheel splasher	28.7.99	1899	S46 D56 H88	D14 D15 D16	PT	D 039	-
10904 Att	Six Wheels Coupled Express Engines Class 1500-Type B12-Cast Iron Platform Steps	3" to 1' elevations and plan of step on splasher	23.7.19	1919	S69	B12	PT	D 088	-
10932	Four Wheels Coupled Bogie Express Engines S46 Class-Cab Side Windows-Arrangement and Details	3" to 1' elevations and plan of cab modified for later classes	10.9.99	1899	S46 D56 S69 E72 D81	D14 D15 B12 J18 J20	PT	D 081	-
10932 Part	Cab Side Fixed Window	6" to 1' elevation and section of gun metal window frame and full size details of fittings	- .7.19	1919	S69	B12	PT	D 044	-
10936	Piston and Rod	Full size elevations of components Endorsed: superseded by Dg No 34358 28.12.39; see Dg No 11433 for piston rod for express engines, except Nos 1890-1900 15.10.08	14.8.99	1899	S46	D15 D16 J17	PT	D 057	-
10936 Part	Cast Steel Piston Heads	Full size elevations and section of piston head My note: Stores Ordering drawing	- .9.99	1899	S46	D14	PT	D 057	-
10936 Part	Mild Steel Piston Rods	Full size elevations and section of piston rod Endorsed: altered for D56 superheater engines My note: Stores Ordering drawing	- .5.00	1900	S46 F48	D14 J16	PT	D 080	-
10936 -I	Steel Piston Rods	Full size elevations and section of piston rod My note: Stores Ordering drawing	- .7.19	1919	F48	J16 J17	PT	D 080	-
10936 Part	Alteration to Piston and Rod	Full size elevations showing increase in piston taper Endorsed: altered 9.34; superseded see Dg No 34358	- .9.25	1925	-	D15 J17	PT	D 081	-
10939	Frame and Boiler Stay	3" to 1' elevation, plan and section of stay for liquid fuel injectors	- .8.00	1900	S46	D14	PT	D 057	-
10941	Driving and Trailing Springs	3" to 1' half elevation and section of 14 plate spring 3'5" centres Endorsed: altered 30.9.01; cancelled, see Dg No 10941	- .11.99	1899	S46	D14	PT	D 078	-
10941	Driving, Intermediate and Trailing Springs	3" to 1' half elevation and section of spring Endorsed: see Dg No 10941 Att for alteration to buckle and bottom plate; see new tracing same number 5.25	- .6.14	1914	S46 S69	D14 B12	PT	D 071	-
10941	Driving, Intermediate and Trailing Springs for Above Classes of Engines	3" to 1' half elevation and section of 14 and 15 plate springs 3'5" centres Endorsed: several alterations; see Dg No 10941-I for B12 4.34	- .5.25	1925	-	B12 D14 D15	PT	D 080	-

						D16 J16 J17 J18 J19 N7			
10941 Part	Spring Buckles	Full size elevations of buckle for driving, intermediate and trailing axles My note: Stores Ordering drawing	3.11.22	1922	S46 D56 H88 S69	D14 D15 D16 B12	PT	D 022	-
10941 -I	Driving, Intermediate and Trailing Springs-Engines Type B12	Full size half elevation and section of springs and 3" to 1' elevations of complete springs Endorsed: for future springs see Dg No 37025 10.5.49	- .4.34	1934	-	B12	PT	D 088	-
10941 Att	Engine Springs to Dg No 10941-Spring Buckles and Section of Bottom Spring Plate	Full size elevation, section and plan Endorsed: altered 12.33	- .12.23	1923	-	-	PT	D 035	-
10942	Expansion Bracket Sling Stays and Bronze Stays	Full size elevations of components	- .11.99	1899	S46	D14	PT	D 022	-
10942 Part	Roof Bar Bolts	Full size elevations and plans of two types of bolts, one pattern for engine No 1876 only	- .3.04	1904	M51	D14	PT	D 063	-
10944	Bogie Vertical Check Springs	Full size details of 5" diameter rubber component	- .8.99	1899	S46	D14	PT	D 071	-
10948	Four Wheels Coupled Bogie Express Engines Class S46, G58-Back Cylinder Cover and Metallic Packing for Piston Rod	Full size elevations and sections of components Endorsed: see Dg No 17533 for back covers for D15/2, D16/2, D16/3 and J17 slide valve 4.47	- .6.00	1900	S46 G58	D14 J17	PT	D 031	-
10948 Part	Spring for Piston Rod Metallic Packing	Full size details of 3/8" square spring	- .11.25	1925	S46	D14	PT	D 071	-
10949	Crosshead	Full size elevation, section and plan of crosshead and gudgeon pin Endorsed: cancelled see Dg No 16407	- .9.99	1899	S46 F48	D14 J16	PT	D 048	-
10949	Cast Steel Crosshead	Full size elevation, section and plan of crosshead My note: Stores Ordering drawing	- .12.15	1915	-	-	PT	D 047	-
10950	Four Wheels Coupled Express Engines Class S46-Valve Spindle Guide	Full size elevations and section of guide Endorsed: see Dg No 10461 for lubricator	- .9.99	1899	S46	D14	PT	D 031	-
10951	Eccentric Sheaves	Full size elevations of sheaves cast in pairs Endorsed: cancelled see Dg No 7239E	- .2.00	1900	S46	D14	PT	D 047	-
10953	Four Wheels Coupled Bogie Express Engines S46, F48, G58 Belpaire-Reversing Shaft	3" to 1' arrangement and full size details of shaft Endorsed: for F53 class and future express engines see Dg No 12736 30.12.01	- .3.00	1900	S46 F48 G58	D14 J16 J17	PT	D 047	-
10954	Four Wheels Coupled Bogie Express Engines Class S46-Slide Valve and Spindle	Full size elevation and sections	- .5.00	1900	S46	D14	PT	D 047	-
10955	Four Wheels Coupled Bogie Express Engines Class S46 and D56 and Six Wheels Coupled Goods Engines Classes F48 & G58-Details of Motion	Full size details of components Endorsed: for F48 and G58 see Attachment and Dg No 24192 31.10.23	- .9.04	1904	S46 D56 F48 G58	D14 D15 J16 J17	PT	D 045	-
10955 Att	Valve Spindle	Full size elevations of spindle, shorted than S46	- .1.20	1920	F48 G57	J16 J17	PT	D 047	-

10961	Four Wheels Coupled Bogie Express Engines Class S46, F48, D56, G58-Earls Metallic Packing for Valve Spindles	Full size details Endorsed: altered 3.02 & 17.8.02; see Dg No 17534 for engines fitted with superheater 17.11.10	- .2.03	1903	S46 F48 D56 G58	D14 J16 D15 J17	PT	D 042	-
10961 Part	Spring for Metallic Packing for Valve Spindles	Full size details of spring	- .11.25	1925	S46	D14	PT	D 039	-
10962	Engines Classes T19, T26, D27 & P43-Arrangement of Stay Between Brake Cylinder and Brake Shaft Bracket	3" to 1' elevations and plan	6.9.99	1899	T19 T26 D27 P43	D13 E4 - -	PT	D 015	-
10963	Four Wheels Coupled Express Engines Class S46, D56, F48, G58, S69, E72, L77, K85, H88-Clack Box	Full size sections, elevation and plan Endorsed: altered 11.2.01, 17.6.02, 4.9.31, 8.9.31 and 1956	12.12.99	1899	S46 D56 F48 G58 S69 E72 L77 K85 H88	D14 D15 J16 J17 B12 J18 N7 N7 D16	PT	D 045	-
10963 Part	Six Wheels Coupled Bogie Express Engines 1500 Class-Clack Box Seating	Full size section and plan of seating Endorsed: also for class H88	11.3.19	1919	S69 H88	B12 D16	PT	D 041	-
10964	Four Wheels Coupled Bogie Express Engines Class S46, D56 and Coal Engines G58-Steam Pipe Elbows	3" to 1' details of three elbows	- .11.10	1910	S46 D56 G58	D14 D15 J17	PT	D 041	-
10965	Longitudinal Stay	Full size details of stay Endorsed: altered 31.6.27	- .11.99	1899	S46	D14	PT	D 042	-
10966	Solid Drawn Copper Tubes	3" to 1' details of boiler tubes Endorsed: altered 21.3.18 My note: Stores Ordering drawing	- .10.99	1899	S46	D14	PT	D 055	-
10976	Davies & Metcalfe's No 9 Exhaust Injector and Grease Separator Adapted to Suit Four Wheels Coupled Bogie Express Engines Class S46	6" to 1' outline elevations and plans	26.9.99	1899	S46	D14	PT	D 082	-
10989	Four Wheels Coupled Bogie Express Engines Class S46-Foundation Ring	3" to 1' plan of ring and full size details of riveting Endorsed: not required for D56 see Dg No 13552	13.10.99	1899	S46	D14	PT	D 025	-
10993	Four Wheels Coupled Bogie Express Engines S46 Class-Details of Air Heating Apparatus	3" to 1' and full size details of equipment for Holden's oil burners Endorsed: sss Dg No 11022 for exhaust steam ejector details	26.6.00	1900	S46	D14	PT	D 025	-
10996	Four Wheels Coupled Bogie Express Engines S46 Class--Brake Details	3" to 1' and full size details of brake rigging, hangers, cross beams, WH pump mounting bracket Endorsed: altered 13.7.33; reference to Dg No 31326	- .11.99	1899	S46	D14	PT	D 037	-
10997	Four Wheels Coupled Bogie Express Engines S46 Class-Leading Splasher	3" to 1' elevation and plan of splasher over bogie wheel Endorsed: brass beading altered to wrought iron	- .10.99	1899	S46	D14	PT	D 025	-
10997 Att	Six Wheels Coupled Express Engines Class 1500-Leading Splasher	3" to 1' elevation and plan of splasher over bogie wheel with brass beading	21.7.19	1919	S69	B12	PT	D 025	-
10997 Att	4-6-0 Engines Type B12-Leading Splasher	3" to 1' elevation and plan of splasher over bogie wheel	7.5.28	1928	-	B12	PT	D 025	-

I1002	Four Wheels Coupled Bogie Express Engines S46 Class- Ashpan	3" to 1' elevations and plan of ashpan Endorsed: see Dg No 10003 for details	22.5.01	1901	S46	D14	PT	D 043	-
I1003	Four Wheels Coupled Bogie Express Engines S46 Class-Ashpan Details	Full size details of components Endorsed: see Dg No 22840 for D56 Class	- .11.99	1899	S46	D14	PT	D 043	-
I1005	Four Wheels Coupled Bogie Express Engines S46 Class-Arrangement and Details of Injector Gear	Full size arrangement of gear	19.10.99	1899	S46	D14	PT	D 043	-
I1006	Four Wheels Coupled Bogie Express Engines S46 Class-Arrangement and Details of Exhaust Injector Gear	Full size arrangement of gear and some cab detail	- .10.99	1899	S46	D14	PT	D 043	-
I1011	Four Wheels Coupled Bogie Express Engines S46 Class-Smokebox Door Fittings	3" to 1' and full size details of handles, boss and dart, hinge pins, etc	27.6.00	1900	S46	D14	PT	D 003	-
I1012	Four Wheels Coupled Bogie Express Engines S46 Class-Reversing Nut	Full size elevations of reversing nut for compressed air gear Endorsed: screw altered to double thread 16.7.01	25.4.00	1900	S46	D14	PT	D 003	-
I1019	Four Wheels Coupled Bogie Express Engines S46 Class-Alterations to Injector Pipes on Left Hand Side to Suit No 9 Restarting Injector	1½" to 1' part view of left hand side of frame valence and cab showing apparatus	20.7.00	1900	S46	D14	PT	D 003	-
I1021	Four Wheels Coupled Bogie Express Engines Class S46-Details of Cylinder Cock Gear	Full size details of gear	- .12.99	1899	S46	D14	PT	D 049	-
I1022	Four Wheels Coupled Bogie Express Engines S46 Class-Exhaust Injector Details	Full size details of pipes from smokebox,, brackets, etc.	- .12.99	1899	S46	D14	PT	D 047	-
I1023 Ren	Four Wheels Coupled Bogie Express Engines Class S46-Clothing and Pipe Details	3" and 6" to 1' and full size details of numerous components	- .7.26	1926	S46	D14	PT	D 047	-
I1023 Part	Six Wheels Coupled Bogie Express Engines S69 Class-Steel Studs for Brick Arch	Full size details of studs	- .4.19	1919	S69	B12	PT	D 049	-
I1023 Part	Brick Arch Stud	Full size details of stud	- .2.38	1938	-	E4 F3 J15	PT	D 045	-
I1041	Particulars and Methods of Fixing Boiler Tubes for Express Engines	Full size drawings of tube ends at smokebox and firebox tubeplates showing past and current methods	9.11.99	1899	-	-	PT	D 081	-
I1047	Water Pickup Tenders Class T46-Arrangement and Details of Scoop and Air Cylinder	3" to 1' elevations and sections and 6" to 1' details of components	13.11.99	1899	T46	-	PT	D 047	-
I1050	Four Wheels Coupled Bogie Express Engines S46 Class-Blast Pipe	3" to 1' elevations and sections of blast pipe and cap Endorsed: alterations to 5.08	14.11.99	1899	S46	D14	PT	D 004	-
I1055	Four Wheels Bogie Express Engines Class S46, F48, D56, G58-Steam Chest Cover	Full size plan and sections Endorsed: several modifications	- .7.00	1900	S46	D14	PT	D 006	-
I1055 Ren	Engine Types D15 & 16, J17-Steam Chest Cover	Full size elevations of cover	11.11.37	1937	-	D15 D16 J17	PT	D 011	-
I1060	Four Wheels Coupled Bogie Express Engines S46 Class-Reversing Gear Details	3" to 1' and full size details of components Endorsed: altered for M51 class; superseded by Dg No 12770 for F53 and future classes	- .12.99	1899	S46	D14	PT	D 005	-
I1064	No 8 Automatic Restarting Injector GER Pattern-Davies & Metcalfe's Patent	Full size elevations and plan of right hand ejector	25.10.99	1899	-	-	PT	D 081	-
I1065	Whistle Socket and Lever S46, D56, S56, L77, S69	Full size elevations Endorsed: altered 4.9.02; see also Dg No 5935 6.53	21.11.99	1899	S46 D56	D14 D15	PT	D 022	-

					S56 S69 L77	J67 B12 N7			
11065 -I	Whistle Socket and Lever	Full size details of lever and mounting bracket	- .8.19	1919	S69	B12	PT	D 070	-
11073	Flange for Stone's Two Quart Lubricator S46, D56	Full size elevations of flange	5.12.99	1899	S46	D14	PT	D 022	-
11076 Att	Express Engines Type B12-Position of Boss on Regulator Top Casting to Suit Wood's Anti-Carboniser Arrangement shown on Dg No 29037E	Full size details and position of casting	15.11.29	1929	-	B12	PT	D 022	-
11081	Four Wheels Bogie Express Engines Class S46, F48, G58-Front Cylinder Cover	Full size elevation and section Endorsed: not required for D56 see Dg No 11465; altered 9.34	4.12.99	1899	S46 F48 G58	D14 J16 J17	PT	D 076	-
11098	Four Wheels Coupled Bogie Express Engines Class S46, L52, D56, G58, E72-Regulator Stuffing Box	Full size elevations, plan and sections Endorsed: for S69 see Attachment; not required for D56 class with 5' 0" diameter boiler see Dg No 22190 29.1.23	- .2.19	1919	S46 L52 D56 G58 E72	D14  D15 J17 J18	PT	D 077	-
11098 Part	Regulator Stuffing Box Arrangement	Full size elevations and plan of stuffing box	- .11.10	1910	-	-	PT	D 077	-
11098 Att	Alteration to Regulator Handle for Engines with Two Water Gauges	Full size elevation and plan showing alteration	- .12.42	1942	-	F3 E4 J15 J17	PT	D 077	-
11106	Four Wheels Coupled Bogie Express Engines S46 Class & T19 Belpaire-Auxiliary Cock for Exhaust Steam Injector	Full size sectional elevations and plan of cock Endorsed: altered 3.4.02 for Westinghouse steam cock for T19 class engine fitted with Belpaire firebox; also 20.3.15 for E72 and D56 fitted with Weir's feed pump and heater	20.12.99	1899	S46 T19 E72 D56	D14 - J18 D15	PT	D 077	-
11107	Blast Pipe Gear for Engines S46 Class	½" to 1' arrangement and details Endorsed: amendments for classes LM3780, D56, G58	- .5.00	1900	S46	D14	PT	D 077	-
11109	Four Wheels Coupled Bogie Express Engines S46 Class-Driving and Trailing Spring Gear	Full size details of hangers, etc	- .7.00	1900	S46	D14	PT	D 077	-
11113	Four Wheels Coupled Bogie Express Engines S46 Class-Oil Boxes	Full size elevations and plans of two types of oil box for trailing axlebox, hornblocks and bogie slide Endorsed: see Dg No 10461 for oil box lubricating driving axlebox and hornblocks	21.12.99	1899	S46	D14	PT	D 017	-
11114 Att	Arrangement of Water Gauge on Tenders Class T46	1½" to 1' elevation of pipework on outline of tank of 2,790 gallon tender	18.3.02	1902	T46	-	PT	D 017	-
11122 Att	Side Glare Screen Plates for Existing Firehole Door Screens Old Type	6" to 1' elevations and plan, 2 plates per engine	30.5.17	1917	-	-	PT	D 017	-
11122 Ren	Fire Hole Door	3" to 1' arrangement of door and 6" to 1' details of GE standard fire hole door for numerous classes	- .6.15	1915	-	-	PT	D 046	-
11122 Part	Six Wheels Coupled Bogie Express Engines 1500 Class and 1211 Class & J18-Firehole Ring	6" to 1' elevations and section of ring	13.3.19	1919	S69 E72	B12 J18	PT	D 017	-

					T77	J19			
11122 Part	Engines Type B12-Firehole Protection Plate	3" to 1' elevations and sections	- .4.34	193	-	B12	PT	D 017	-
11122 -1	Boilers for Engines Class J69 and J15-Fire Hole Ring	6" to 1' elevation and section of ring for J15 boiler to Dg No 28994	- .2.20	1920	S56 Y14	J69 J15	PT	D 076	-
11122 -2	Boilers for Engines Class No 1-Firehole Ring	6" to 1' elevation and section of ring for boiler No 1 S69 type	12.2.20	1920	S69	B12	PT	D 017	-
11123	Four Wheels Coupled Bogie Express Engines Class S46-Liquid Fuel Heater for Tenders	Full size elevations and plan of heater My comment: top right hand corner missing, drawing number determined from NRM Office Copy	- .6.00	1900	S46	D14	PT	D 017	-
11126	Four Wheels Coupled Bogie Express Engines S46 Class-Footboard	1½" to 1' arrangement of planking and associated fittings Endorsed: cancelled see drawing dated 2.01	27.2.01	1901	S46	D14	PT	D 081	-
11128 -1	Brackets for L.F. Gear	6" to 1' elevations and plan of brackets for liquid fuel gear Endorsed: see also Dg No 11128 for S23 class	- .6.21	1921	S23	-	PT	D 069	-
11130	Four Wheels Coupled Bogie Express Engines Class S46-Sandbox Details	Full size details of 3 components Endorsed: not required for D56	6.1.00	1900	S46	D14	PT	D 069	-
11142	Bogie Four Coupled Express Engines S46 Class-Sand Trap Showing Alteration	1½" to 1' details of alterations to sand trap	- .9.00	1900	S46	D14	PT	D 005	-
11158	Six Wheels Coupled Coal Engines-Crank Axle	3" to 1' elevation of crank axle with forged oval webs with straps	- .5.08	1908	Y14	J15	PT	D 078	-
11158 Part	Leading and Intermediate Axles	3" to 1' elevations of axles Endorsed: superseded by Dg No 37586	- .1.25	1925	-	N7	PT	D 041	-
11158 Part	Six Wheels Coupled Goods Engines Class F48-Steel Crank Axle	3" to 1' elevation of crank axle Endorsed: altered 10.19; superseded by Dg No 11158 7.7.25 My note: Stores Ordering drawing	13.10.16	1916	F48	J16	PT	D 016	-
11158 Part	Steel Crank Axles	3" to 1' elevations of crank axle Endorsed: see Dg No 27737Part for crank axle having webs without hoops My note: Stores Ordering drawing	7.7.25	1925	F48	J16	PT	D 016	-
11171 Ren	Motion Plate Class J17	3" to 1' elevations and plan of plate with full size section of flange	21.3.49	1949	-	J17	PT	D 006	-
11171 -1	Cast Steel Motion Plates	3" to 1' elevation, section and plan of motion plate Endorsed: altered 24.7.46 My note: Stores Ordering drawing	11.5.10	1910	F48	J16	PT	D 006	-
11181	Diagram of Exhibition Engine as Proposed to be Loaded Showing Maximum Dimensions	1" to 1' outline elevations of engine, less wheels, cab roof, chimney, dome cover and buffers My note: engine for shipping to Paris Exhibition	23.2.00	1900	S46	D14	PT	D 003	-
11182	Diagram of Tender with Wheels Removed Showing Maximum Dimensions	1½" to 1' outline elevations of tender My note: engine for shipping to Paris Exhibition	24.2.00	1900	S46	D14	PT	D 003	-
11183	Diagram of Bogie of Exhibition Engine Showing Maximum Dimensions	3" to 1' outline elevations of tender My note: engine for shipping to Paris Exhibition	24.2.00	1900	S46	D14	PT	D 003	-
11184	Diagram of Driving Wheels of Exhibition Engine Showing Maximum Dimensions	1½" to 1' elevations of wheels and crank axle assembly My note: engine for shipping to Paris Exhibition	24.2.00	1900	S46	D14	PT	D 003	-
11194	Four Wheels Coupled Bogie Express Class S46-	Full size elevation, section and plan of components	- .7.00	1900	S46	D14	PT	D	-



	Reversing Cylinder and Piston	Endorsed: altered 13.1.01 & 13.10.08; for F53 class see Dg No 12733; not required for D56 class 12.7.33; altered for M51 and future classes My comment: tracing badly torn						082	
11195 Ren	Six Wheels Coupled Goods Engines Class F48, Tank Engines L77, G58, E72-Leading and Driving Hornblocks	6" to 1' elevations, plan and sections Endorsed: several alterations up to 1935	- .4.15	1915	F48 G58 E72 L77	J16 J17 J18 N7	PT	D 072	-
11195 -1	Cast Steel Hornblocks	6" to 1' details of hornblocks My comment: Stores Ordering tracing; drawing number indicates renewal drawing	6.9.15	1915	F48 G58	J16 J17	PT	D 031	-
11195 -2	Cast Steel Hornblocks (Leading)	6" to 1' details of hornblocks Endorsed: see Dg No32294 for hornblocks N7 class My comment: Stores Ordering drawing	- .7.17	1917	F48 G58 E72 T77 L77	J17  J19  N7	PT	D 035	-
11195 -3	Cast Steel Hornblocks	Full size details of hornblocks Endorsed: see Dg No 32296; welded-up hornblocks, June 1935; alterations to machined dimensions May 1936; BR Steel casting specification added My comment: Stores Ordering drawing	-	1912	E72 T77 L77	J18 J19 N7	PT	D 022	-
11198	Four Wheels Coupled Bogie Express Engines Class S46-Valve Box for Reversing Cylinder	Full size plan and sections of valve box with sections through plug Endorsed: altered 2.9.10; not required for D56 class	12.7.00	1900	S46	D14	PT	D 031	-
11201	Six Wheels Coupled Engines Classes F48, G58, E72, L77-Cast Steel Spring Hanger Brackets	6" to 1' elevations and sections of spring hanger brackets in relation to springs Endorsed: altered for arrangement of spring gear for D81 class see Dg No 21955 10.10.18; also 29.7.33 & 2.11.36	19.2.16	1915	F48 G58 E72 L77	J16 J17 J18 N7	PT	D 044	-
11201 -A	Cast Steel Driving Spring Brackets	6" to 1' details of brackets My comment: Stores Ordering drawing for castings	- .7.23	1923	F48 E72 L77	J17 J18 N7	PT	D 060	-
11213	Diagram of Exhibition Engine as Proposed to be Loaded Showing Maximum Dimensions	1" to 1' outline diagram of engine without wheels or buffers, weight 25 tons My comments: not stated, but must be 1900	- .3.00	1900	S46	D14	PT	D 060	-
11229	Arrangement of Firebox Stays	Full size details of stay spacing for '1900' & '522' engines	- .9.00	1900	S46 Y14	D14 J15	PT	D 059	-
11231	Westinghouse Steam Cock and Governor S46 Class	Full size elevations, sections and plans of components Endorsed: not required for D56; undated alterations	- .4.00	1900	S46	D14	PT	D 070	-
11240	Balancing Valve for Reversing Gear	Full size details of small valve with piston spring operating a slide valve My comments: ports connect to air reverse cylinder probably, function to equalise pressure each end of reversing cylinder, after making a movement; first type of air reverse on '1800' 4-4-0	- .4.00	1900	S46	D14	PT	D 066	-
11245	Diagram Showing General Arrangement of Reversing Gear	3" to 1' details of first air reverse gear, with air cylinder in cab. My comment: parts lettered, but no key	- .4.00	1900	S46	D14	PT	D 066	-
11262	Six Wheels Coupled Goods Engines Class F48, G58,	Full size elevations, section and plan of axlebox for 9" journal	- .2.15	1915	F48	J16	PT	D	-

	E72-Leading Axlebox				G58 E72	J17 J18		060	
I1264 Part	Six Wheels Coupled Goods Engines-Stay for Bottom of Smokebox Front	3" to 1' view of components on bottom of smokebox front Endorsed: 6 for trial 2.1.13	3.12.12	1912	F48 G58	J16 J17	PT	D 015	-
I1265 Ren	Spring Hanger & Bracket for Front End of Leading Spring	Full size details of hanger and bracket Endorsed: leading springs at front end can not have rubber mounts for hangers, as clearance at cylinders is limited, rigid links around brackets used instead	- .8.51	1951	-	J17	PT	D 070	-
I1268	Six Wheels Coupled Goods Engines F48, G58 Classes-Valve Spindle Connections	Full size elevation and plan of spindle Endorsed: to be made of wrought iron 10.11.00	- .5.00	1900	• F 4 8 • C 4 8	J16 J17	PT	D 015	-
I1283	Six Wheels Coupled Goods Engines Class F48, L52, G58-Injector Pipe and Clothing Details	Full size elevations, plans and sections of components Endorsed: altered for F58 & L52 classes; altered 2.9.25	25.2.08	1908	F48 G58	J16 J17	PT	D 002	-
I1284 Ren	Six Wheels Coupled Goods Engines Class F48, G58-Sand Gear Details	Full size elevations and plans of numerous components Endorsed: altered for L52 and future engines; details in blue for LM 3780; altered 12.9.00 and 7.12.05; retraced 11.56	20.9.12	1912	F48 G58	J16 J18	PT	D 002	-
I1284 Att	Alteration to Sand Gear Class J17	3" to 1' elevation and plan of arrangement and full size details of components	- .11.56	1956	-	J16 J18	PT	D 002	-
I1285 Part	Six Wheels Coupled Goods Engines Class G58-Leading Sand Box and Splasher	3" to 1' elevations and plan of splasher with 6" to 1' and full size details of components Endorsed: altered 16.2.14 to create a hopper bottom	19.1.11	1911	G58	J17	PT	D 002	-
I1285 Att	Alterations to Leading Sand Box and Splasher to Suit Dry Sanding Gear H80 Class	3" to 1' elevations and plan Endorsed: for other dimensions see Dg No I1285; altered 2.40	15.8.17	1917	H80	J19	PT	D 002	-
I1286 Att	Injector Steam Pipe Class L52 and Alterations to Clothing Studs	1½" to 1' details of pipe and position within cab and bracket Endorsed: cancelled see Dg No I1283	- .5.01	1901	F48	J16	PT	D 002	-
I1288	Blast Pipe	6" to 1' fully dimensioned elevation	15.1.09	1909	G58	J17	PT	D 002	-
I1309	Six Wheels Coupled Goods Engines Class F48-Frame and Boiler Stay	3" to 1' elevation and plan of stay in relation to boiler backplate and full size details of fixings Endorsed: work to red for engs Nos I170-I186; altered 17.10.01, 1.7.01, 23.8.07 & 5.54	16.7.00	1900	F48	J16	PT	D 049	-
I1313	Apparatus for Indicating Amount of Water in Tenders	6" to 1' arrangement and description of working of apparatus	29.6.00	1900	-	-	PT	D 053	-
I1327	Big End Brasses for Express Engines S46 Class. Altered	Full size details of big end brasses	- .7.00	1900	S46	D14	PT	D 043	-
I1332	Bogie Single Wheel Express Engines P43 Cass-Water Shields for Leading Axle Box	Full size details of water shields and method of fixing My comments: presumably to protect leading bogie axleboxes from water spray from pilot engine on water troughs, apparatus to shield top of box	30.7.00	1900	P43	-	PT	D 016	-
I1367	Copper Firebox for Engines Classes Y14, T19, T26,	3" to 1' elevations, half section and plan of firebox with full size	- .9.00	1900	Y14	J15	PT	D	-

	D27, N31, C32	riveting details			T19 T26 D27 N31 C32	D13 E4 - J14 F3		076	
I1394	Four Wheels Coupled Bogie Express Engines Class S46-Method Lubricating Trailing Axle Box and Horns	1½" to 1' elevations showing method of lubrication and 3" to 1' and full size details of components Endorsed: altered for M51 class 21.11.00	- .11.00	1900	S46	D14	PT	D 018	-
I1395	Sketch Showing Bolts for Fixing Sieves on Tenders	Full size drawing of tender water filter top	- .10.00	1900	-	-	PT	D 054	-
I1397	Cylinders-Six Wheeled Coupled Engines J66-69	3" to 1' elevations, sections and plan of cylinders Endorsed: blast pipe seating to be flat, bearing strip not required, ¼" liner to be used for existing cylinders bearing strip planed off 23.7.07: top of cylinders and valve strengthened 5.45	- .11.19	1919		J66 J67 J68 J69	PT	D 063	-
I1406	Liquid Fuel Atomiser	6" to 1' arrangement and section of atomiser, made by E. Wolff Bucharest Endorsed: traced 31.10.00 from copy sent to Mr Holden by Messrs Taite & Carlton	31.10.00	1900	-	-	PT	D 025	-
I1428 Part	Four Wheels Coupled Bogie Express Engine, Class M51-Driver's Seat	Full size details of seat only	- .6.21	1921	M51	D14	PT	D 011	-
I1430	Crank Axles of Various Railway Companies	1½" to 1' details from 9 companies viz. GW, NE, L&Y, L&NW, NB, GC, L&SW, CR and G&SW Railways	22.11.00	1900	-	-	PT	D 027	-
I1433 Part	Mild Steel Piston Rods	3" to 1' elevation of piston rod with tail rod Endorsed: see Dg No 17530 for D56 superheated engines My comment: Stores Ordering drawing	16.6.08	1908	M51 D56	D14 D15	PT	D 032	-
I1433 Part	Sketch Showing Dimensions of '1900' & '1150' class Piston Rod Ends	Full size sketch showing dimensions of piston rod ends Endorsed: showing new dimensions for renewals when new crossheads fitted in red	- .6.08	1908	S46 F48	D14 J16	PT	D 032	-
I1434	Four Wheels Coupled Bogie Express Engines Class M51, D56-Crank Axle	3" to 1' elevations of axle Endorsed: for future crank axles work to Dg No 25506 28.4.25	- .5.08	1908	M51 D56	D14 D15	PT	D 032	-
I1434	Steel Crank Axle	3" to 1' elevations of circular crank webs Endorsed: see Dg No 25505 Part for Stores ordering tracing for future Crank Axle, 28.4.25 My comment: Stores Ordering drawing	10.1.01	1901	M51	D14	PT	D 032	-
I1434	Crank Axle	3" to 1' elevations, section and plan of axle	- .4.07	1907	M51 D56	D14 D15	PT	D 031	-
I1434	Steel Crank Axles	3" to 1' elevations, section and plan of axle Endorsed; superseded by Dg No 25505 Part 28.4.28 My comment: Stores Ordering drawing	- .11.19	1919	S46 D56	D14 D15	PT	D 031	-
I1436	Cast Steel Roof Bars	3" to 1' details of four types of roof bar My comment: Stores Ordering drawing	- .- .00	1900	M51	D14	PT	D 032	-
I1459 Ren	Engines Type D15 & D16-Driving Hornblock and Axlebox	6" to 1' elevations, sections and plan of components My comment: water damaged	9.10.37	1937	-	D15 D16	PT	D 031	-
I1459	Driving Hornblock & Axlebox	6" to 1' elevations, section and plan of components My comment; renewed, see later copy	- .1.08	1908	D56	D15	PT	D 048	-

11459 -1	Four Wheels Coupled Express Engines Class D56-Driving Axlebox	6" to 1' elevations, sections and plan of axlebox Endorsed: altered in blue 25.4.25; red 6.25; green 30.12.27 and black.6.45 My comment; see Dg No 25505 for new crack axle	16.6.19	1919	D56	-	PT	D 030	-
11459 Part	Cast Steel Hornblocks	6" to 1' details of hornblocks for driving and trailing axles My comment: Stores Ordering drawing for castings	- .10.15	1915	M51 D56	D14 D15	PT	D 043	-
11459 Part	Cast Steel Hornblocks	6" to 1' details of hornblocks My comment: Stores Ordering drawing	- .3.37	1937	-	D16	PT	D 048	-
11459 Att	Alteration to White Metal of Driving Axlebox	Full size details of axlebox alteration Endorsed; altered 6.45	- .3.15	1915	D56	D15	PT	D 048	-
11459 -2 Att	Driving Axlebox & Hornblock Lubrication Alterations & Axlebox Cover	6" to 1' details of alteration for 9½" piston valve engines	- .9.35	1935	-	D14 D15 D16	PT	D 048	-
11460	Four Wheels Coupled Bogie Express Engines Class M51, D56-Eccentric Sheaves	Full size elevation and section of sheaves with 3" to 1' elevation showing position on crank axle Endorsed: additional detail for class LM3780; see Dg No 16511 for eccentric for engine 1830 and last 5 D67 engs.	- .5.07	1907	M51 D56 LM3780	D14 D15	PT	D 048	-
11460 Part	Diagram Showing Position of Eccentrics in Relation to Crank D56-1850 Class	3" to 1' diagram shows horizontal offsets for fore and back eccentrics My comments; possibly prepared for setting eccentrics in wheel shop	- .2.15	1915	D56	D15	PT	D 080	-
11465	Four Wheels Coupled Bogie Express Engines M51 - Class D56-Front Cylinder Cover	Full size elevation, section and plan of cover Endorsed; see Dg No 17533 for engines fitted with superheaters	15.6.10	1910	M51 D56	D14 D15	PT	D 022	-
11465 Att	Blank for Cylinder Cover for Existing Non-Superheater Engines with Tailrods Removed	Full size detail of blank Endorsed; see Dg No 11081 for cylinder covers for new engines My comments; used to fill hole left by removal of tail rods and tail rod guides/glands	20.8.14	1914	D56	-	PT	D 022	-
11469 Att	Four Wheels Coupled Bogie Express Engines D56 Class-Lubricator for Eccentric Straps	Full size part side elevation and section of lubricator	3.7.12	1912	D56	D15	PT	D 022	-
11469 Ren	Four Wheels Coupled Bogie Express Engines Class D16-3-Eccentric Straps and Rods	Full size elevations and plan Endorsed: altered 26.11.27 & 8.33	1.2.22	1922	M51 D56	D16/3	PT	D 022	-
11469	Four Wheels Coupled Bogie Express Engines S46, M51, D56-Eccentric Straps and Rods	Full size elevations, section and plan of straps and rods Endorsed; see Dg No 16513 for forward eccentric straps for '1830' engines & last 5 of D67; see Dg No 29313 for old straps altered; altered 15.12.21 & 8.33; see renewal tracing same number 1927	2.5.07	1907	M51 D56	D14 D15	PT	D 022	-
11490	Leading Sand Box for Express Engines Classes S46, M51 & D56	3" to 1' elevation, section and plan with full size section of lid Endorsed: numerous alterations up to 17.4.23	- .9.06	1906	S46 M51 D56	D14 D15	PT	D 046	-
11490 Att I	Alterations to Right Hand Sandbox	3" to 1' details of alteration to sandbox type class H88, type B12 engine with ACFI Feed water heater & exhaust steam injector.	- .2.36	1936	-	B12	PT	D 048	-
11498	India Rubber Rings for Sand Box Lids	Full size details of ring 5½" diameter	4.2.01	1901	M51	D14	PT	D 015	-
11505	Water Pick Up Tenders Class 051-Arrangement and Details of Scoop Gear, Steam Cylinders, Etc.	3" to 1' arrangement of pick up and details of fittings	11.2.01	1901	051	-	PT	D 082	-
11505	Sketch Showing Alterations Required to Steam	3" to 1' details of cylinder for tenders	- .6.01	1901	-	-	PT	D	-

Part	Cylinder for Scoop							037	
11517	Roof Bars for Engines T18 Class with 180 Lbs Boiler Pressure	3" to 1' details of 2 types of roof bars with sections Endorsed: roof bars not required for S56 and future boilers with firebox roof stays to Dg No 13581 2.10.03 My comment: stores ordering drawing	- .3.01	1901	R24R	J69	PT	D 047	-
11519 Part	Sketch Showing Alterations Required to Steam Scoop Valve	Full size section and details of valve for tenders My comments; for 4-4-0 M51 No 1880-1889; this is earlier 'steam' design, the later ones were worked by compressed air	- .6.01	1901	M51	D14	PT	D 032	-
11519 Part	Locking Arrangement for Water Pick-up Steam & Air Valve	Full size details of valve fitted with plate to Padlock handle 'shut' My comments; to be used on engines No 1880-1889 & T19	- .8.03	1903	T19R S46	D13 D14	PT	D 047	-
11537 Att	Four Wheels Coupled Express Engines T19 Class Fitted with Belpaire Boilers-New Steam Dome for Boilers	3" to 1' sectional elevations and plan of dome	- .10.05	1905	T19	D13	PT	D 017	-
11549 -I	Boiler for No 51 Class Engine's Dome	3" to 1' elevation and section of dome and full size details Endorsed; altered 11.6.01	- .12.19	1919	S56	J69	PT	D 014	-
11560 Ren	Reversing Gear J17	1½" to 1' arrangement of gear with full size details of fittings	- .3.52	1952	-	J17	PT	D 083	-
11561	Boiler Stays and Hangers	Full size details of stays and hangers Endorsed; minor detail alterations made 24.7.5, see Dg No 20603Part for longitudinal stay tube	- .3.19	1919	G58 E72	J17 J18	PT	D 031	-
11564	Diagram Showing Clearance of Spring Buckle & Connecting Rod from Rail Level when Tyres and Axleboxes are New	3" to 1' sketch showing clearances My comments; title infers that drawing applies only to 1891-7 built Engines Nos. 125-7 , 133 & 134	11.4.01	1901	G15	Y6	PT	D 030	-
11567	Reversing Screw Bracket and Wheel	6" to 1' arrangement of screw bracket and 3" to 1' of wheel	- .8.54	1954	-	J17 J19/2 J20 J20/1	PT	D 081	-
11579 Att	Joint for Tender Tank Side Plate	3" to 1' scrap side elevation and cross section of lap joint for tank side plate for large tenders	- .7.18	1918	M52 A53 T69	-	PT	D 031	-
11579 Part	Sketch Showing Additional Handrails for 1170 Class Tenders	1½" to 1' front elevation and part side elevation of tender tank, showing additional shunters handrail on tank side My comments; applies to all M52 3500gall tenders attached to goods engines and also H14, Z14 & S23 attached to F48 class 0-6-0's	24.4.02	1902	F45 G58	J16 J17	PT	D 081	-
11579 Att	Arrangement of Water Gauge on Tenders Class A53	1½" to 1' sectional scrap elevation and plan of front of 3450 gall tender tank, showing water gauge and piping My comments; also applicable in principle to all tenders from 1902	- .1.02	1902	A53	-	PT	D 081	-
11579 Part	Alterations to Front of Tenders Class T46 and Large 3300 Gallons Tenders	1½" to 1' details of front plate of A53 tender showing tool cupboard and shovel plate My comments; presumably shows alterations for conversion of oil-fuel tenders to coal	- .7.03	1903	T46 A53	-	PT	D 081	-
11579 Part	Alteration to Back Stays in 3450 Gallon Tenders	1½" to 1' sectional scrap elevation and plan of rear of tender tank	- .2.03	1903	A53	-	PT	D 081	-
11589	Arrangement of Reversing Gear Class T18 (J69)	1½" arrangement of gear on outline elevation and plan of engine	14.11.07	1907	R24R	J69	PT	D	-

	with 180 Lbs Boiler Pressure	and 3" to 1' details of components						014	
11602	Sets of Cast Steel Driving & Trailing Wheels	3" to 1' elevations and section of wheel Endorsed: superseded by Dg No 29678 12.30 My comment: Stores Ordering drawing for steel castings	- .9.16	1916	S46	D14	PT	D 069	-
11603	Sets of Cast Steel Bogie Wheels	6" to 1' elevations and section of wheel My comment: Stores Ordering drawing for steel castings	- .11.16	1916	S46	D14	PT	D 069	-
11603	Sets of Cast Steel Bogie Wheels	6" to 1' elevation and section of wheel My comment: Stores Ordering drawing for steel castings	- .7.23	1923	S46	D14	PT	D 069	-
11630 Att	GE Express and Goods Engines-Alteration to Moveable Cab Side Window	6" to 1' elevations of teak framed window with squared tops	- .4.25	1925	-	J16-19 B12	PT	D 050	-
11630	Six Wheels Coupled Bogie Express Engines Class 1500-Moveable Cab Side Window	3" to 1' arrangement of window and full size details Endorsed; see Dg No 10932 for fixed window altered in red -.1.26	2.7.19	1919	-	B12	PT	D 018	-
11631	( Bolts & Rivets)	Full size dimensions for various bolts, rivets and washers for Loco, Carriage & Wagon use	- .6.01	1901	-	-	PT	D 059	-
11641	Lifting Brackets for Tanks	Full size details of brackets	- .2.25	1925	C32 P55	-	PT	D 037	-
11644 Part	Four Wheels Coupled Express Engine Class D56-Slide Valve & Spindle	Full size elevation, section and plan of components Endorsed; see Dg No 16763 for '1830' engine and last five D67 engines 23.10.09	11.6.08	1908	D56	-	PT	D 010	-
11646 Part	Spring for Valve Spindle Metallic Packing	Full size details of spring	- .11.25	1925	T26	E4	PT	D 037	-
11646 Att	Split White Metal Packing for Valve Spindles	Full size details of packing	-	-	-	E4 F3	PT	D 037	-
11648 Ren	Tramway Engines Class C53-Detailsof Motion	Full size elevations and plan of components	- .9.20	1920	C53	J70	PT	D 001	-
11649 Att	Six Wheels Coupled Tram Engines Class D85-Cover over Hole between Fender Plate and Frame Angle	3" to 1' elevation of cover	- .2.21	1921	D85	J70	PT	D 001	-
11651 Ren	Tramway Engines type J70-Cylinders	3" to 1' elevations, sections and plans of cylinders Endorsed: altered 21.9.43	- .2.42	1942	-	J70	PT	D 005	-
11653 Att Ren	Six Wheels Coupled Tram Engines D85 Class-Alteration to Position of Brake Hanger Brackets to Suit Bosses on Brake Hangers	3" to 1' arrangement of brake hangers	7.9.20	1920	D85	J70	PT	D 001	-
11656 Ren	Tramway Engines Class C53-Coupling Rod	Full size elevation and plan of rod at 3'4" centres Endorsed: altered 9.8.23 & 25.10.48	14.2.22	1922	C53	J70	PT	D 001	-
11658 Att	Six Wheels Coupled Tram Engines Class C53-Alteration to Reversing Shaft Arm to Clear Smokebox Lagging	3" to 1' elevation showing arm in relation to boiler	- .2.21	1921	C53	J70	PT	D 001	-
11659 Att	Additional Expansion Joint in Left hand End of Steam Pipe, Type J70 (C53)	3" to 1' part section of smokebox showing steam pipe	- .12.29	1929	C53	J70	PT	D 001	-
11667	Special Connecting Rod for Engines M51 Class	Full size elevations and plan of strap end of rod Endorsed: see Dg Nos 10493 and 11412 for alterations necessary on engine fitted with this connecting rod	- .9.01	1901	M51	D14	PT	D 030	-
11679	Tramway Engines Class C53-Roof Bar	Full size elevation and plan of roof bar My comment: stores ordering drawing	- .1.03	1903	C53	J60	PT	D 032	-

11681 Ren	Tramway Engine Class C53-Slide Valve	Full size elevations and plan of slide	23.11.16	1916	• C J70	PT	D 022	-	
11684	Six Wheels Coupled Tramway Engines Class C53-J70 Piston Rod, Valve Spindle and Guide	Full size elevations and plans of components Endorsed: altered 1.36, 10.9.40 and 11.5.48	- 1.18	1918	• C J70	PT	D 022	-	
11694	Diagram Showing Wheel Base & Weights of Express & Goods Engines	¼” to 1’ diagrams for ‘1000’ 2-2-2, ‘10’ 4-2-2, ‘1900’ 4-4-0 & ‘1150’ 0-6-0 engines	- .9.01	1901	D27 P43 S46 F48	- - D14 J16	PT	D 052	-
11696	Tool Cupboards for Engines Fitted with 265 and Mogul Class Tenders	1½” to 1’ elevations and plan of cupboard fitted on tender	- .11.01	1901	265	-	PT	D 082	-
11727	Diagram of 2, 3 & 4 Cylinder Engines, Comparing Possibilities of Starting Without Reversing	Unscaled diagram showing one complete cycle shown, My comment; possibly preliminary work for Decapod	- .4.02	1902	-	-	PT	D 063	-
11729	Diagram Showing Turning Moment on Crank Shaft for 2 or 3 Cylinders	Two sets of diagrams My comment: early work for Decapod?	- .4.02	1902	-	-	PT	D 078	-
11742	Tyre Dimension Instruction	Front page to a set of tyre drawings giving minimum dimensions	- .2.11	1911	-	-	PT	D 037	-
11742 -1 Ren	(Tyre Fastening & Section Book)	Page 1 showing full size tread profiles and gauge for ascertaining thickness of tyres for engine and tender	- .- .25	1925	-	-	PT	D 033	-
11742 -2	Profile No 3 Gauge ‘B’-Section No 3 for Driving Wheels 1500 Class Only	Page 2 showing full size tread profile and gauge for ascertaining thickness of tyre	22.10.12	1912	-	B12	PT	D 088	-
11742 -3	Standard Wheels Section No1 Profile No 1, Section No 2, Profile No 2	Page 3 showing full size tread profile and gauge for ascertaining thickness of tyres for several classes							
11742 -4, 5, 6	(Tyre Fastening & Section Book)	Page 4 showing full size section and profile of tyres for tenders and tank engine S44 class Page 5 showing full size section and profile of tyres for tramway engines and Wisbech Tramcars Page 6 showing full size section and profile for 4 and 6 wheeled tram engines	- .- .12	1912	-	-	PT	D 033	-
11742 -7 & 8	(Tyre Fastening & Section Book)	Page 7 showing full size section and profile of tyres for 4 coupled shunting engines Page 8 showing full size section and profile of tyres for s 4 coupled shunting engines, leading & driving	- .- .12	1912	-	-	PT	D 033	-
11742 -24 & 24A	(Tyre Fastening & Section Book)	Page 24 showing full size section and profile of tyres for engine bogie of Clayton Railcars  Page 24A showing full size section and profile of tyres for engine bogie- arrangement for fitting new 2½” tyres to existing wheel centres	- .4 .32  3.3.32	1932	-	Clayton Railcar	PT	D 033	-
11744	Diagram Showing Length & Weight of 6 Wheels Coupled Goods Engines Nos. 1150-1159	¼” to 1’ diagram My comment; original Dg No referred to A55 & was cancelled.	16.11.00	1900	-	J17	PT	D 079	-
12668	Untitled	Tabulated figures relating to Marshall’s full forward gear 5¾” travel	- .2.07	1907	-	-	PT	D	-

		Endorsed: formerly Dg No 12887 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear						081	
12669	Untitled	Tabulated figures relating to Marshall's (GNRly), Stephenson's 45% cut off Endorsed: formerly Dg No 12888 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	- .2.07	1907	-	-	PT	D 081	-
12670	Untitled	Tabulated figures relating to Marshall's 2½" travel, Stephenson's mid gear 2 1/8" travel Endorsed: formerly Dg No 12889 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	- .2.07	1907	-	-	PT	D 081	-
12671	Untitled	Tabulated figures relating to Marshall's, Stephenson's 15% cut off Endorsed: formerly Dg No 12890 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	- .2.07	1907	-	-	PT	D 081	-
12672	Untitled	Tabulated figures relating to Marshall's, Stephenson's 30% cut off Endorsed: formerly Dg No 12891 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	- .2.07	1907	-	-	PT	D 081	-
12673	Untitled	Tabulated figures relating to Marshall's, Stephenson's 60% cut off Endorsed: formerly Dg No 12892 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	- .2.07	1907	-	-	PT	D 081	-
12674	Untitled	Tabulated figures relating to Marshall's, Stephenson's 75% full forward Endorsed: formerly Dg No 12893 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	-.2.07	1907	-	-	PT	D 081	-
12675	Untitled	Tabulated figures relating to Marshall's, Stephenson's 75% full back Endorsed: formerly Dg No 12894 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	-.2.07	1907	-	-	PT	D 081	-
12676	Untitled	Tabulated figures relating to Marshall's, Stephenson's 45% cut off Endorsed: formerly Dg No 12895 My comment; No indication of purpose, or whether 'model' or calculated results or geometry of gear	- .2.07	1907	-	-	PT	D 081	
12700	Untitled	Unscaled diagram, possibly for setting out for Valve gear but no explanation	- .1.07	1907	-	-	PT	D 063	-
12705 Ren	Tramway Engines Type J70-Metallic Packing for Piston Rods and Valve Spindles	Full size sections and elevations of packing and gun metal components Endorsed: for Y6 tram engines see Dg No 11663	- .2.36	1936	-	J70	PT	D 001	-
12723	Six Wheels Coupled Goods Engines with Belpaire Firebox-Injector Steam Cock P52 Class D56	Full size elevations and section of cock Altered 31.12.01, 3.07 and 12.1.16 for additional classes; see Dg No	27.10.01	1901	P52 D56	J16 D15	PT	D 077	-



		21923 for 1 1/2" injector steam cock I1.2.09 for S56 class; see Dg No 20603			S69 E72	B12 J18			
12726 Ren	Ashpan Arrangement Class J17	1/4" to 1' elevations and plan of ashpan and full size sections showing riveting My comment: original drawing dated 1.11.01	20.6.56	1956	-	J17	PT	D 083	-
12733	Four Wheels Coupled Bogie Express Engines Class F53, D56, S69-Reversing Cylinder and Piston Guide	Full size elevations, section and plan, air operated reverse cylinder, etc mounted on frames Endorsed: altered 16.8.11 for S69 class	- .2.02	1902	F53 D56 S69	D14 D15 B12	PT	D 065	-
12735	Davies & Metcalfe's Automatic Restarting Injector- Alterations to be Made to No 9 Injector so as to Fit same Pipes as No 10	Full size elevations and plan	- .11.01	1901	-	-	PT	D 065	-
12735 Part	No 9 Automatic Restarting Injectors with Pipe Flanges & Feet same as No 10 Injector	Full size outline dimensioned drawing of injector Endorsed; this tracing was made to be sent to Gresham & Craven; Note, copies of this tracing NOT to be sent to Davies & Metcalfe	- .6.03	1903	-	-	PT	D 067	-
12736 Ren	Four Wheels Coupled Bogie Express Engines Class D56-Reversing Shaft	3" to 1' elevations of assembly and full size details of individual components	- .6.26	1926	• D 5 6	D15	PT	D 086	-
12737	Four Wheels Coupled Bogie Express Engines Class F53, D56-Reversing Screw Bracket	Full size elevations and plan Endorsed: for arrangement and details of locking gear (L55) see Dg Nos 13459 and 13460; this drawing superseded by Dg No 13970 18.11.04	- .12.01	1901	F53 D56	D14 D15	PT	D 065	-
12740	Water Pick Up on Tenders Class G53-Arrangement and Details of Scoop Gear and Air Cylinder	1 1/2" to 1' arrangement and 6" to 1' details of fittings	- .11.01	1901	G53	-	PT	D 067	-
12742	Four Wheels Coupled Bogie Express Engines Class F53-Reservoir Footplate	3" to 1' elevations, section and plan of footplate Endorsed: F53 10 engines; last 5 of batch altered frame profile	- .11.01	1901	F53	D14	PT	D 043	-
12742 Ren	Reservoir Footplate	3" to 1' elevations, sections and plan pf footplate	- .8.38	1938	-	D15	PT	D 045	-
12746	Air Valve for Reversing	Full size details showing valve for air reverse gear	- .12.01	1901	F53 S69	D14 B12	PT	D 054	-
12749	Six Wheels Coupled Bogie Express Engines Class 1500-Non Return Valve and Union for Reservoir Footplate	Full size details of valve and union	- .4.19	1919	S69	B12	PT	D 026	-
12767	Standard Tyre Sections	Full size sections of 5 tyres, engine and tender centre wheels 6 coupled engines, tramway engines, tramcar wheels, carriage , wagon and goods brake	- .2.03	1903	-	-	PT	D 030	-
12770	Four Wheels Coupled Bogie Express Engines Class F53-Reversing Gear Details	3" to 1' details of components Endorsed: numerous alterations; work to black for L55 & D56 -.03; see Dg Nos 13459 & 13460 for arrangement and details of locking gear; for D56 see Dg No 13972	- .1.02	1902	F53	D14	PT	D 066	-
12777	Six Wheels Coupled Coal Engines G58 & E72 Class; Four Wheels Coupled Express Engines D56 & T19 Belpaire Classes- Safety Valve	Full size sectional elevation and plan and 3" to 1' arrangement of lever	- .2.14	1914	G58 E72 D56 T19 L77	J17 J18 D15 D13 N7	P	D 085	-

12781 Part	Whistle Seating	Full size elevations and section of stem seated direct on boiler when pop safety valves fitted	- .7.33	1933	-	F5 F6	PT	D 071	-
12781 Part	Whistle Seating	Full size elevations and section of stem seated direct on boiler, My comment; presumably for new boilers without large seating for Ramsbottom valves	- .2.38	1938	-	E4 F3 J15	PT	D 055	-
12791 Ren	Casing for Safety Valves Dg No 17262-S69, D81, Dg No 21986, S56, G69, G75 and Dg 12777 D56, G58, E72 L77, K85, T19	Full size elevation, section and plan of casing and 3 to 1' plan of base Endorsed: top beading to be of cast iron for all classes 31.8.21; altered to brass 11.2.22	- .7.19	1919	S69 D81	B12 J20	PT	D 056	-
12791 Ren	Casing for Safety Valves	Full size elevation and section of casing My comment; torn paper tracing of the shop copy	- .6.21	1921	-	-	TI	D 056	-
12791	Casing for Safety Valves	3" to 1' elevation and section of casing and full size details for 4 column Safety Valves Endorsed; for classes S69, D81, S56, G69, G75, D56, G58, E72, L77, K85 & T19 My comments; appears to be a recent tracing in pencil of original Dg	- .6.21	1921	T19 D56 S56 G58 G69 S69 E72 L77 K85 D81	D13 D15 J67 J17 F6 B12 J18 N7 J20	P	D 046	-
12847	Ashpan	3" to 1' elevations, section and plan of ashpan	- .3.13	1913	T19R S46 D56 E72	D13 D14 D15 J18	PT	D 066	-
12885	Arrangement of Valve Gear – Marshall's Patent for 6'6" Engines	6" to 1' elevations, sections and plan of gear Endorsed; copy of GNR Dg No 90K	14.3.02	1902	-	-	PT	D 028	-
12919 Ren	Four Wheels Coupled Express Engines Class T19 and Six Wheels Coupled Coal Engines E72 Fitted with Belpaire Firebox-Cab Front Windows	3" to 1' elevations and section of windows and full size details of components	- .4.17	1917	T19 E72	D13 J18	PT	D 046	-
13052	Locking Arrangement for Water Pick-Up Air Valve	Full size elevation and plan Endorsed: several alterations to suit various classes	- .8.03	1903	S46	D14	PT	D 071	-
13058	Four Coupled Bogie Express Engines-Locking Arrangement for Water Pick Up Air Valve on Tenders	Full size elevations and plan of arrangement	- .8.03	1903	D56	D15	PT	D 022	-
13058 Att	Alteration to Locking Arrangement for Water Pick Up	Full size elevation of 2 components	- .10.29	1929	-	-	PT	D 078	-
13115 Ren	Metallic Packing for Valve Spindles-Engine Class J65	Full size sections and elevation valve spindle and packing with details of 4 components	2.10.47	1947	-	J65	PT	D 021	-
13115 Ren	Metallic Packing for Valve Spindles	Full size details for white metal packing	- .7.34	1934	-	J65	PT	D 057	-
13116 Ren	Metal Packing for Piston Rods	Full size details for white metal packing	- .7.31	1934	-	J65	PT	D 058	-
13140	Steel Axles	3" to 1' elevation and section of axle Endorsed; to suit S23 Class tenders & No 1 class engine and tender 3.11.02	3.11.02	1902	S23 No1	-	PT	D 022	-

		My comment: Stores Ordering tracing							
I3144	Cast Steel Tramway Engine Wheels	3" to 1' elevation and section of wheel My comment: Stores Ordering drawing for castings	- .11.02	1902	C53	J70	PT	D 070	-
I3161	Volute Springs for Engine Buffers	Full size details of standard spring My comment: possibly for conical buffers	- .12.22	1922	-	-	PT	D 072	-
I3175	Cast Steel Driving Wheels, Cast Steel Intermediate Wheels	3" to 1' elevation and section of wheel My comment: Stores Ordering drawing for castings	- .1.16	1916	P55 O18	F4	PT	D 070	-
I3258	Diagram of Brotherhood's Governor	Full size details of governor My comment; probably for tram engines	- .8.03	1903	C53	J70	PT	D 069	-
I3267	(Diagram of Firebox Sides)	1½" to 1" scale pair of views of firebox sides showing stays Endorsed; 'made for Mr Hilton' My comment; probably for class T18	- .5.07	1907	T18	J66	PT	D 069	-
I3291	Diagrams showing Alteration in Tube Plates After Being Tuber	1½" to 1' diagrams of tubeplates for engines Nos. 1861 & 1892 (S46 round top) and Nos. 702, 727, 750, 760, 763, 781 & 782 (T19 Belpaire)	4.12.03	1903	-	-	PT	D 042	-
I3298	Results Obtained From Joy's Valve Gear with Wooden Model	Unscaled diagrams from valve gear with 18" x 24" cylinders with 1 1/8" valve lap, ports 1 1¼" x 1 ¾" steam & 1 1¼" x 1 1/8" exhaust	2.5.82	1882	-	-	PT	D 081	-
I3300	Six Wheels Coupled Tank Engines Classes T18, R24, S24-Brick Arch	1½" to 1' sectional side and end elevation of arch	- .1.04	1904	T18 R24	J66 J67 J68 J69	PT	D 060	-
I3366	Diagram Showing Arrangement of Air Sanding Gear Worked From Regulator Handle	Unscaled diagram of twist grip handle on regulator operating air sand. Copy of Belgian State Rly drawing My comment; Fitted by GER to H88's; water damaged tracing	- .1.05	1905	-	-	PT	D 040	-
I3395	Diagram of No 9 Right Hand Restarting Injector	Full size diagram of Functions-no details	- .9.05	1905	-	-	PT	D 030	-
I3395 Att	Diagram of No 9 Restarting Injector Showing Bolt & Stud Holes in Plates	Full size details of flanges	20.3.25	1925	-	-	PT	D 030	-
I3401	Four Wheels Coupled Shunting Engines Classes 209, G40, R55-Boiler Saddle and Frame Stay	3" to 1' elevation, section and plan of saddle and stay Endorsed: copied from Neilson & Co plan	26.1.03	1903	209	Y5	PT	D 018	-
I3402	Four Wheels Coupled Shunting Engines Classes 209, G40, R55-Exhaust Pipe Bottom Part	3" to 1' arrangement and full size sections of pipe Endorsed: copied from a Neilson & Co plan	26.1.03	1903	209 G40 R55	Y5	PT	D 008	-
I3403	Four Wheels Coupled Shunting Engines Classes 209, G40, R55-Hind Cylinder Cover with Glands R & L	Full size end elevation, section and plan Endorsed: for metallic packing see Dg No 13704; copied from a Neilson & Co plan	26.1.03	1903	209 G40 R55	Y5	PT	D 008	-
I3404	Four Wheels Coupled Shunting Engines Classes 209, G40, R55-Cylinders Cross Section	Full size sections with 3" to 1' details Endorsed: copied from a Neilson & Co plan	26.1.03	1903	209 G40 R55	Y5	PT	D 008	-
I3405	Four Wheels Coupled Shunting Engines Classes 209, G40, R55-Cylinder Valve Face	Full size plan Endorsed: copied from a Neilson & Co plan	26.1.03	1903	209 G40 R55	Y5	PT	D 018	-
I3406	Four Wheels Coupled Shunting Engines Classes 209,	Full size plan of cylinder	26.1.03	1903	209	Y5	PT	D	-

	G40, R55-Cylinder Plan	Endorsed: copied from a Neilson & Co plan			G40 R55			018	
I3407	Four Wheels Coupled Shunting Engines Classes 209, G40, R55-Piston, Piston Rod and Valve Spindle	Full size elevations, section and plan of componets Endorsed; valve spindle altered 12.10.08; for piston and rod see Dg No 11445 for engines 228 & 229; piston only for 209, G40, R55; and Dg No 10248 for 209, G40, R55 rod only 12.10.06 Traced from a Neilson & Co plan	26.1.03	1903	209 G40 R55	Y5	PT	D 018	-
I3408	Four Wheels Coupled Shunting Engines Classes 209, G40, R55-Longitudinal Section of Cylinder	Full size longitudinal section Endorsed: for metallic packing see Dg No 13704; copied from a Neilson & Co plan	26.1.03	1903	209 G40 R55	Y5	PT	D 018	-
I3410	Buffer Rubbers No13	Full size details of rubbers for engine buffers	- .1.03	1903	-	-	PT	D 055	-
I3431	Alteration to Brakework on Tenders Class H14 and Y17	1½" to 1' arrangement of apparatus shown on part of tender and 3" to 1' details of components Endorsed: wrought iron crosshead for brake cylinder added 14.5.06; for alterations and additions see Dg No 16196 5.10.07	- .2.03	1903	H14 Y17	-	PT	D 045	-
I3437 Ren	Spring Gear Details	Full size details of spring gear My comments; replaces original drawing c1904	- .5.29	1929	P55	F4	PT	D 076	-
I3437 Part	Spring Hanger Nuts	Full size details of nuts	- .4.44	1944	-	F4 F5 F6	PT	D 080	-
I3438	Four Wheels Coupled Tank Engines Class P55-Arrangement of Spring Gear	3" to 1' elevations and plans of spring gear for 4 pairs of wheels My comment: ozalid reproducible tracing	- .3.03	1903	P55	F4 F5 F6	PT	D 078	-
I3438 Part	Sketch of Leading Spring on Four Wheels Coupled Radial Tank Engines P55 Class	3" to 1' side elevation of spring end hangers My comment: a new type of leading hanger with intermediate link	- .7.07	1907	P55	(F5)	PT	D 081	-
I3460	Four Wheels Coupled Bogie Express Engines Class L55-Six Wheels Coupled Express Engines Class D56 and S69-Details of Locking Arrangement for Reversing Gear	Full size details of components Endorsed: keys added 14.10.08; for arrangement see Dg No 13970, for other details see Dg No 13972	- .3.03	1903	P55 D56 S69	F5 D15 B12	PT	D 029	-
I3460 Part	Spring for Air Reversing Locking Gear	Full size details of small spiral spring	- .11.25	1925	-	-	PT	D 043	-
I3464	Engine Sections-Sheet 1	Full size series of tyre profiles for a variety of locomotives, engine numbers given	24.3.03	1903	-	-	PT	D 027	-
I3465	Tender Sections-Sheet 2	Full size sections of worn tyres off tenders Nos. 464, 537, 625, 882,916 and 941	- .3.08	1908	-	-	PT	D 073	-
I3478	Boiler Diagram T18-High Pressure	1" to 1' undimensioned details of firebox only	- .4.03	1903	T18	J66	PT	D 049	-
I3524 Ren	Six Wheels Coupled Tram Engines Class C53, J70 Type-Details of Cylinder Cock Gear	6" to 1' and full size details of numerous components	- .3.33	1933	C53	J70	PT	D 043	-
I3526	Six Wheels Coupled Tram Engines C53-Blower and Condensing Gear	Full size details of components	- .4.21	1921	C53	J70	PT	D 043	-
I3527 Ren	Sand Boxes and Details Class J70 Engines	3" to 1' elevations, sections and plan of sand boxes and full size details	- .10.30	1930	-	J70	PT	D 058	-

13528 Ren	Six Wheels Coupled Tram Engines Class C53-Rod, Pipe and Clothing Details	6" to 1' and full size details of numerous components Endorsed: altered for class C53 only; see Dg No 16916 for steam cock	- .1.20	1920	C53	J70	PT	D 029	-
13530 Ren	Water Pick Up Tenders Class T19-Arrangement and Details of Scoop and Air Cylinder	3" to 1' arrangement of scoop shown in relation to trough and 6" to 1' details of components My note: a clearance of 1¼" between scoop and bottom of steel trough	- 9.08	1908	T19	D13	PT	D 082	-
13533 Ren	Six Wheels Coupled Tramway Engines Class C53 Type J70-Details of Automatic Governing Gear	6" to 1' and full size details of numerous components for Brotherhood governor	- .3.21	1921	C53	J70	PT	D 076	-
13533 Att	Details of Governing Gear	6" to 1' detail of speed indicator plate and shafts for 0-6-0 Tram	- .2.21	1921	C53	J70	PT	D 077	-
13542	Cast Steel Trailing Brake Hanger Bracket	Full size detail of steel casting Endorsed: cancelled see Dg No 10996 My comment: Stores ordering drawing	- .6.03	1903	D56	D15	PT	D 038	-
13543	Standard Engine and Tender Coupling	Full size elevations of screw coupling	- .7.03	1903	-	-	PT	D 070	-
13543 -I	Engine and Tender Screw Coupling	Full size elevation and plan of coupling	- .6.19	1919	-	-	PT	D 070	-
13548 Ren	D14 to 16 Trailing and B12 Intermediate Axlebox and D14 to 16 Hornblock	6" to 1' elevations and plans of components Endorsed: altered 19.4.55 and 13.6.55	6.3.36	1936	-	D14 D15 D16 B12	PT	D 088	-
13548 -I Ren	Trailing Hornblock (Cast Steel)	6" to 1' ordering drawing for castings Endorsed: renewal, original tracing lost July '43 My comment: Stores ordering drawing	- .8.43	1943	-	D16/3	PT	D 067	-
13548 Att	Alteration to White Metal of Axlebox (D56 Trailing, S69 Intermediate)	Full size details Endorsed: altered 6.45	- .4.15	1915	D56 S69	D15 B12	PT	D 038	-
13548 Att	Cover for Intermediate Axlebox	6" to 1' details of 1/8" plate cover	- .10.19	1919	S69	B12	PT	D 067	-
13548 Att 2	Trailing Axlebox Lubrication Details	6" to 1' arrangement and full size details of oil pipes for engines with 9½" P.Valves	- .9.35	1935	-	D14 D15 D16	PT	D 038	-
13548 Att 3	Method of Fitting Oiler Pads to Intermediate and Trailing Axlebox Keeps	6" to 1' sketch of keep	- .3.55	1955	-	B12/3 D16/3	PT	D 066	-
13548 Part	Intermediate Axlebox	6" to 1' elevations, sections and plan of axlebox	- .3.19	1919	S69	B12	PT	D 067	-
13548 -A	Trailing Axlebox	6" to 1' elevations, sections and plan of axlebox	- .6.19	1919	D56	D15	PT	D 067	-
13548 B	Six Wheel Coupled Express Engines Class S69-Intermediate Axlebox	6" to 1' elevations, sections and plan of axlebox Endorsed: altered 6.25	18.6.19	1919	S69	B12	PT	D 088	-
13550	Profile of Engine, Tender, Carriage and Wagon Tyres	Full size details of tyre profiles Endorsed: copy of tracing sent to Mr. J. Holden for Mr. Wainwright, 9.7.03	- .7.03	1903	-	-	PT	D 060	-
13552 Ren	Foundation Ring Class J17	3" to 1' arrangement of foundation ring and full size details of riveting	- .4.55	1955	-	J17	PT	D 085	-

13552	Four Wheel Coupled Express Engines Class D13, 15, 16, J17, 18 & 19-Belpaire-Foundation Ring	Full size details of foundation ring	1.4.19	1919	T19 D56 H88 G58 E72 T77	D13 D15 D16 J17 J18 J19	PT	D 021	-
13553 Part	Glass for Cab Windows	1½" to 1' elevation of glass My comment: Stores ordering drawing	- .10.03	1903	D56	D15	PT	D 064	-
13564	Crown Stay Hangers for T18-180lbs Pressure Boiler	Full size elevation and plan of stays	25.8.03	1903	R24R S56 C72	J69 J68	PT	D 017	-
13569 Part	Sets Cab Front Window Frames	3" to 1' elevation and section of frames and full size details of castings only without holes etc. My comment: could be a stores ordering drawing for castings supplied outside	- .9.03	1903	D56	D15	PT	D 070	-
13581 Att	Details of Firebox Roof Stay Hangers	Full size elevations and sections of stays	- .10.41	1941	-	J69	PT	D 080	-
13582 Part	Crown Stay Hangers	Full size elevations and plans of two types of hanger	- .9.03	1903	-	-	PT	D 069	-
13588	Arrangement of Water Gauge on Engines Class 0140	1½" to 1' arrangement of gauge My comment: 0140 class 0-4-2T Nos 140-149, built as 0-4-4T Hawthorns 1880, 4 remaining in 1903, scrapped by 1905	- .10.03	1903	0140	-	PT	D 070	-
13589	Arrangement of Water Gauge on Engines Class 135	1½" to 1' elevations and part plan of cab showing arrangement of gauge Endorsed: undated alterations My comment: title altered to 0135	- .10.03	1903	134	-	PT	D 069	-
13590	Arrangement of Water Gauge on Tram Engines-C53 Class	1½" to 1' arrangement of gauge on right hand side and part views of water tank and body	- .9.03	1903	C53	J70	PT	D 062	-
13591	Arrangement of Water Gauge on Shunting Engines Class 209	1½" to 1' arrangement shown on elevations and plan of engine	- .9.03	1903	209	Y5	PT	D 046	-
13592	Arrangement of Water Gauge	1½" to 1' part section through casing showing gauge position	- .10.03	1903	G15	Y6	PT	D 045	-
13594	Arrangement of Water Gauges	1½" to 1' arrangement of water gauge fitted in cab on RH My comment: good outline drawing of cab with 3 views	- .10.03	1903	T18	J66	PT	D 046	-
13595	Arrangement of Water Gauges Engines Class 61	1½" to 1' outline elevation of cab and plan showing position of gauge and pipework	- .10.03	1903	61	-	PT	D 046	-
13596	Arrangement of Water Gauges on Engines Classes E10, R10, 011, F13, X13	1½" to 1' arrangement and part cab views showing fitting of standard GE water gauge My comments: useful detail of cab and tanks	- .10.03	1903	E10 R10 011 F13 X13	-	PT	D 073	-
13597	Arrangement of Water Gauge on Engines Class R24	1½" to 1' elevations and plans showing arrangement in cab	- .10.03	1903	R24	J67	PT	D 046	-

I3598	Arrangement of Water Gauges	1 1/2" to 1' arrangement of water gauge fitted in cab on RH My comment: good outline drawing of cab with 3 views showing different tank heights: E22 = 3' 6 1/16" inside; B32 = 3' 3 1/16" inside – 3" lower	- .10.03	1903	E22 B32	J65	PT	D 046	-
I3599	Arrangement of Water Gauges	1 1/2" to 1' arrangement of water gauge on part section of cab, showing layout Endorsed: position of gauge altered 1906	- .10.03	1903	C32	F3	PT	D 053	-
I3600	Arrangement of Water Gauge on Engines Class K9	1 1/2" to 1' arrangement of water gauge on part cab views showing fitting of standard GER water gauge My comment: useful detail of cab and tanks	- .10.03	1903	K9	-	PT	D 073	-
I3601	Arrangement of Water Gauges on Engines Class S44	1 1/2" to 1' arrangement shown on elevations and half plan of cab	- .10.03	1903	S44	G4	PT	D 051	-
I3647	Four Wheels Coupled Bogie Express Engines Class D56-Steam Valve, Cock and Bracket for Steam Sanding Gear	Full size elevations and plan of components	- .12.03	1903	D56	D15	PT	D 042	-
I3648	Air Sanding Gear, Reversing Valve and Details	Full size details of valve mounted vertically above air reverse gear in cab, operated by position indicator, to direct air to leading or trailing wheels. Endorsed: for reverse gear details see Dg No I3972 My comment: not the standard arrangement	- .12.03	1903	D56 S69	D15 B12	PT	D 060	-
I3650	Diagram of No 8 Right Hand Injector	Full size outline elevation and plan	- 3.18	1918	-	-	PT	D 057	-
I3653	Four Wheels Coupled Bogie Express Engines Class D56-Elbow on Boiler for Liquid Fuel Fitting	Full size sectional elevation and plan of elbow shown in relation to corner of boiler My comment: 46 engines fitted for oil burning 1921 and again in 1927	- .5.21	1921	D56	D15	PT	D 050	-
I3672	Six Wheels Coupled Goods Engines Class F48-Proposed Alterations to Fire Bars to Prevent Burning Away of Copper Plates under Brick Arch	3" to 1' elevations, section and plan showing arrangement of firebars	- .2.04	1904	F48	J16	PT	D 060	-
I3673	Valve Spindle T18	Elevation and plan of spindle My comment: badly water stained	- .3.20	1920	T18	J66	PT	D 063	-
I3675	Back Cylinder Cover	Full size elevations, sections and plan of cover including packing My comment: badly water stained	- .5.30	1930	-	J66 J67 J68 J69	PT	D 063	-
I3675 -I	Brake Cylinder Cover	Full size elevations, section and plan of steam brake cylinder cover My comment: tracing water damaged	- .1.20	1920	T18	J66	PT	D 049	-
I3678 Part	India Rubber Controlling Spring	Full size details of 6 1/4" x 3 1/4" x 2 1/4" thick oval rubber block My comment: drawing appears to have been renumbered, from 9347?	23.5.00	1900	C32	F3	PT	D 039	-
I3686 Att	Alterations to Vacuum Brake Arrangement for Engines Fitted with Superheaters T19 Belpaire Class	1 1/2" to 1' arrangement shown in relation to outline of part of engine and 3" and 6" to 1' details Endorsed: cancelled, see Attachment dated 12.14	- .10.14	1914	T19	D13	PT	D 047	-
I3686 Att	Alterations to Vacuum Brake-Arrangement for Engines Fitted with Superheaters	1 1/2" to 1' outline of cab showing arrangement and 3" and 6" to 1' details of fittings	- .12.14	1914	T19	D13	PT	D 053	-

13688 Att	Alteration to D56 Boilers for S46 Class Engines	1 1/2" to 1' part side and end elevation of firebox	- .1.15	1915	S46	D14	PT	D 050	-
13688 Att	Back Plate of Belpaire Boiler Showing Altered Position of Firehole and Stays	1 1/2" to 1' half elevation of back plate Endorsed: one boiler only	- .11.07	1907	T19	D13	PT	D 066	-
13704	Four Wheels Coupled Shunting Engines 209-Metallic Packing for Piston Rods and Valve Spindles	Full size arrangement and details of components	- .1.04	1904	G40	Y5	PT	D 017	-
13711	Splasher Footstep for T19 Belpaire Engines	3" to 1' elevations and plan of footstep showing position on splasher right hand side only	- .2.04	1904	T19	-	PT	D 047	-
13718	Six Wheels Coupled Tank Engines Type J69-Driving Horn Block	6" to 1' elevations and plan of hornblock	- .6.29	1929	-	J69	PT	D 011	-
13718 Part	Cat Steel Hornblocks (Driving)	6" to 1' elevations, section and plan of hornblocks My comment: Stores ordering drawing	- .3.16	1916	T18	J66 J67 J68 J69	PT	D 047	-
13720	Wakefield Patent Sight Feed Lubricator	Full size details of 2 feed lubricator Endorsed: alterations shown for Wakefield and Albany lubricators	- .2.04	1904	-	-	PT	D 046	-
13733	Firebox Crown Stays for Various Boilers	Full size elevations, section and plans of stays for: 1) 6 wheel coupled tank engines with boilers to LM3521 & 3522 2) 6 wheel coupled tank engines class S56 (J69) 3) Class T19, Y14 and D56 with Belpaire boilers. My comment: drawing water damaged	- .3.04	1904	S56 T19 Y14 D56	J69 D13 J15 D15	PT	D 018	-
13736	Stone's 1 1/2 Pint Lubricator Showing Alterations	Full size sectional elevation and sectional plan of lubricator My comment: water damaged	21.3.04	1904	-	-	PT	D 018	-
13737	Standard Combination Regulator & Sanding Gear	Full Size arrangement of twist grip handle on regulator for operating sand gear. Endorsed: for other details of handle and rod see Dg No 11098. My comments: it would seem that this gear is quite old, Dg No 11098 is dated 12.99 and regarded as standard	- .6.04	1904	-	-	PT	D 072	-
13742	Flexible Hosepipe for Water Pick Up Connections	Full size elevation of hose 2' over nipples presumably for engine/tender air connection	- .3.04	1904	-	-	PT	D 080	-
13746	Flange of Engine Valve for Steam Heating	Full size elevation and plan of flange	- .2.06	1906	S46	D14	PT	D 066	-
13751	Steam Valve for Steam Sanding Gear	Full size details of valve possibly worked from regulator, or reverse gear Endorsed: cancelled, see Dg No 13971	- .4.04	1904	F48	J16	PT	D 076	-
13755	Arrangement of Steam Heating Apparatus on Express Engines Class S46 and Tenders for Same.	1 1/2" to 1' arrangement of apparatus and details shown on outline of engine and tender with cab view. S46 wide cab and shaped windows shown	- .5.06	1906	S46	D14	PT	D 069	-
13758 Att 2	Four Wheels Coupled Bogie Express Engines T19 Fitted with Superheater-Alteration to leading End of Framing for Engines without Piston Tail Rods	3" to 1' elevation and half plan of leading end Endorsed: smokebox for Robinson superheater engines see Dg No 20058; for Schmidt superheater see dg No 18551	15.6.15	1915	T19	D13	PT	D 024	-
13758	Four Wheels Coupled Bogie Express Engines T19	3" to 1' elevation and half plan of leading end	15.6.15	1915	T19	D13	PT	D	-



Att 2	Fitted with Superheater-Alteration to leading End of Framing for Engines without Piston Tail Rods	Endorsed: smokebox for Robinson superheater engines see Dg No 20058; for Schmidt superheater see dg No 18551						023	
I3759	Ejector Steam Cock for Vacuum Brake	Full size elevation, sections and plan of cock	- .1.25	1925	-	N7	PT	D 060	-
I3759 -1	4-6-0 Engines Type B12-Ejector Steam Cock for Vacuum Brake	Full size elevation, plan and section of gunmetal cock	- .4.28	1928	-	B12	PT	D 069	-
I3759	Ejector Steam Cock for Vacuum Brake	Full size arrangement of cock mounted on boiler back plate Endorsed: altered for classes O18, S46 and G69	- .9.30	1930	O18 S46 G69	- D14 F6	PT	D 068	-
I3759	Ejector Steam Cock for Vacuum Brake	Full size arrangement of cock mounted on boiler back plate	13.4.48	1948	-	-	PT	D 088	-
I3780	Peep Holes for Smokebox	Full size details of glass covered 'port' in side of box, with internal cover, operated by handle outside My comment: presumed to be '1800' 4-4-0; 2 per side, as 4 called for, for checking spark arrester design?	- .1.07	1907	D56?	D15	PT	D 063	-
I3782	Spark Deflector to be Fitted on Engine No 1862	3" to 1' elevations and section of deflector Endorsed: see Dg No 13732 for spark deflector	- .5.04	1904	S46	D14	PT	D 036	-
I3788	Spring for Temporary Use on Tram Engines Four Coupled	3" to 1' elevation and section of 7 plate spring 3'0" centres loaded	- .3.23	1923	G15	Y6	PT	D 001	-
I3804 -1	Sets Cast Steel Leading & Trailing Hornblocks	6" to 1' elevation, section and plan of castings My comment: axleboxes appear to have controlled side-play, there are projections on horns on the inside, possibly to take spring boxes; drawing altered to 'LNER' and updated with casting specification My comment: Stores ordering drawing	- .7.04	1904	LM3780 (0-8-0 Decapod rebuild	-	PT	D 080	-
I3804 -2	Cast Steel Leading & Trailing Hornstay	6" to 1' elevation, section and plan of casting Endorsed: refers to rebuilt 'Decapod' 0-10-0 WT as 0-8-0, although engine not rebuilt until 1906 My comment: Stores ordering drawing	- .7.04	1904	LM3780 (0-8-0 Decapod rebuild	-	PT	D 035	-
I3812 Att	Four Wheels Coupled Bogie Express Engines Class T19 Belpaire Fitted with Superheater-Cylinder Cocks and Connections	Full size elevations and sections of components Endorsed: altered 14.11.13	- .7.13	1913	T19	D13	PT	D 015	-
I3895	Regulator Handle & Air Sanding Gear	Full size general arrangement of regulator handle and linkage showing Bowden Wire connection to Air Valve as used on Belgian State Rly My comment: this is <u>not</u> a standard GER Regulator; there is another tracing of the actual Belgian detail drawing; see Dg No 13988 for arrangement of <u>similar</u> gear for T19 Rbt.	- .8.04	1904	-	-	PT	D 082	-
I3896	Air Valve for Sanding Gear	Full size elevations and sections Endorsed in pencil: Belgian State Railways	- .8.04	1904	-	-	PT	D 072	-
I3906	Steel Westinghouse Brake Reservoirs	Unscaled details of reservoirs 6" outside diameter x 27' 4 1/4" long for Johnson 0-4-4T	- .9.04	1904	0136	-	PT	D 043	-
I3908	Flexible Coupling Between Engine and Tender for Water Pick Up (for Engines Fitted with Large Tenders)	Full size elevations of plan of 1'9 1/2" long air hose	- .8.19	1919	-	-	PT	D 043	-

I3924	Sketch Showing Clearance Between Coupling Rods and Splashers on Engines Class T19 with Belpaire Firebox.	3" to 1' details	- .10.04	1904	T19	-	PT	D 053	-
I3931	Air Sanding Gear-Brass Bracket for Supporting Bowden Wire	Full size details of bracket Endorsed: reference in pencil to amended dimension for Belgian State Engine	14.10.04	1904	-	-	PT	D 007	-
I3939	Built-up Crank Axles for Tank Engines T18 Class	3" to 1' side and end elevation of crank axles Endorsed: superseded by Dg No 23529, 28.11.21	2.7.09	1909	T18	J66	PT	D 007	-
I3941 Part	(Arrangement of Fittings on Back of Firebox and in Cab of Belgian State Railways Express Locomotive Type 18)	1½" to 1' undimensioned view of boiler mountings only in detail	24.10.04	1904	-	-	PT	D 007	-
I3945	Six Wheels Coupled Goods Engines Class L52 Nos 1170 to 1209-Flange Plate for Supporting Reversing Screw Bracket	3" to 1' elevations and plan of flanged plate	31.10.04	1904	L52	J16	PT	D 007	-
I3970	Four Wheels Coupled Bogie Express Engines Class D56 & Six Coupled Express Engines Class S69-Arrangement of Reversing Screw Bracket	Full size arrangement of bracket, plans and sections undimensioned Endorsed: altered 27.1.14	17.11.04	1904	D56 S69	D15 B12	PT	D 083	-
I3971	Steam Sanding Valve for Engines F48 Class, T19 Belpaire and Future D56 Class	Full size elevations and plan of valve and details of components	- .11.04	1904	F48 T19 D56	J16 D13 D15	PT	D 077	-
I3972	Four Wheels Coupled Bogie Express Engines Class D56: Six Wheels Coupled Express Engines Class S69-Reversing Gear Details	6" to 1' details of 55 components Endorsed: altered 13.5.09 & 27.7.14 My comment: undated details for class S69 added later	- .11.04	1904	D56 S69	D15 B12	PT	D 036	-
I3972 Part	Springs for Air Reversing Gear	Full size details of 2 small coil springs	- .11.25	1925	-	-	PT	D 037	-
I3984	Dewrances 1 Pint Sight Feed Lubricator	Full size details of single feed type, mounted on side of cab for cylinder lubrication of small engines	- .11.04	1904	-	-	PT	D 072	-
I3988	Arrangement Showing Working of Steam Sanding Valve on T19 Belpaire Engs. with G16 Bogies and Vacuum Brake	Full size sections and elevations of valve with 3" to 1; arrangement shown on boiler backplate	30.12.04	1904	T19	D13	PT	D 081	-
I3990	Sketch Showing Asbestos Mattress For Top of Dome	3" to 1' elevations of mattress for T19 with Belpaire Boiler	- .12.04	1904	T19 Belp	-	PT	D 050	-
I3993	Arrangement of Tender Gauge Columns 1850 Class	1½" to 1' outline elevation and plans of tender showing arrangement of gauge columns Endorsed: these gauges were used for loco trials purposes only; see Dg No 9052 and I3994 for details of water gauges and cocks	15.12.04	1904	A53	D56	PT	D 004	-
I4046	Sketch Showing Clearance Between Splasher and Side Rod	3" to 1' scrap side elevation of splashers/driving wheel, scrap sections showing lateral clearance. My comment: clearance shown for 2" rods in black, clearance shown for 2¼" in red	- .1.05	1905	T19R T19R	D13 -	PT	D 032	-
I4062	Adjustable Bogie Spring Hanger S46 Class Four Wheels Coupled Bogie Express Engines	Full size elevation and plan of hanger	- .2.04	1904	S46	D14	PT	D 018	-
I4080 -I	Foundation Ring	3" to 1' elevation and section of ring with full size riveting details	- .12.19	1919	R24	J69	PT	D 011	-
I4085	Arrangement and Details of Spark Arrestor and	3" to 1' part arrangement of smokebox and details of rods,	- .2.05	1905	S56	J67	PT	D	-

	Alteration to Condensing Gear	brackets, etc. Endorsed: mention of No 1 class with T18 boiler; for smokebox see Dg No 9466			E22 No 1 B,C,D,	J69 - J92		012	
14133 -I	Tenders Class 1500-Brake Shaft Release Spring	Full size half elevation and section of spring 10 3/16" long, 2 1/2" dia. Endorsed: superceded by D No 21590	29.7.19	1919	S69	B12	PT	D 018	-
14155	Liquid Fuel Regulating Gear	Full size details of combined flow regulator and shut off valves for twin burners, arranged around fire hole door to enable flow rate to be adjusted, and shut off quickly without losing adjustment. Endorsed: supplementary Dg No 329LF; valves to Dg No 156LF My comment: Dg No 14155 has 'E' suffix and must have been issued during LNER days!	- .10.99	1899	S46	D14	PT	D 070	-
14157	Volute Springs for Turton-Platts' Patent Buffer	Full size elevation and section of spring Endorsed: marked 'Engines'	- .2.05	1905	-	-	PT	D 065	-
14177	Alteration to Right-Hand Injector Steam Pipe	1 1/2" to 1' scrap elevations of firebox, showing revised pipe run. Endorsed: for engine Nos 328, 329, 331, 332, 333, 334, 335, 21 to 30	- .7.17	1917	R24	J67	PT	D 022	-
14281	Proposed Profile of Tyre	Full size section only with dimensions My note: assumed to be for engines; no Shannon index card	8.3.05	1905	-	-	PT	D 002	-
14282	Arrangement of Ash Ejector Four Wheels Coupled Express Engines Class T19 Belpaire with G16 Bogie	1 1/2" to 1' arrangement of ejector shown on part outline elevation and plan of engine Endorsed: altered 15.6.06; work to red for S46 box 4.10.05	9.1.07	1907	T19 S46 D56	D13 D14 D15	PT	D 002	-
14286	Details of Ash Ejector	Full size elevations and plans of ironwork details for four wheel coupled express engines class T19 Belpaire with G16 bogie	- .4.05	1905	T19R	D13	PT	D 002	-
14341	Spark Deflector for Engines Class N31	3" to 1' details for deflector in front of tubeplate in centre, and part arrangement in smokebox. Endorsed: for deflector on door see Dg No 14297	- .11.05	1905	N31	J14	PT	D 012	-
14342	Arrangement of Water Gauge on Crane Engines B, C & D	1 1/2" to 1' arrangement shown on outline of cab	- .8.05	1905	204	J92	PT	D 082	-
14344	Four Wheels Coupled Express Engines Class S46- Arrangement of Ash Ejector	1 1/2" to 1' arrangement shown in relation to outline frame and bogie	- .8.05	1905	S46	D14	PT	D 082	-
14369	Four Wheel Coupled Express Engine Class S46- Details of Ash Ejector	Full size elevations and plans of components Endorsed: see Dg No 14286 for other details including ends of rod; see Dg No 16039 for modifications; altered 27.2.08	- .9.05	1905	S46	D14	PT	D 011	-
14374	Spark Deflector	3" to 1' arrangement of spark deflector hinged on rear of blast pipe facing tubes with section thro' smokebox and 6" to 1' details Endorsed: for deflectors on door work to Dg No 14297	- .11.05	1905	Y14 T19	J15 F3 F6 E4	PT	D 075	-
14394	Coupled Rod Crank Pins	Table of dimensions of 4 types of crank pin for named classes	- .10.05	1905	D56 T26 C32 G58 E22 T18 R24 C72	D15 E4 F3 J17 J65 J66 J67 J68	PT	D 074	-

					Y14	J69 J15			
I4395	Four Wheel Coupled Tank Engines Class C59-Pipe Bend for Condensing Gear	Full size details of pipework My comment: copy negative, probably from coloured shop copy	9.10.05	1905	C59	F4	PT	D 028	-
I4416	Diagram of No 8 Right Hand Restarting Injector	Full size outline of injector and centre lines only	- .3.18	1918	-	-	PT	D 052	-
I4420	Indicator Diagrams from Engine No 1898	3 diagrams for trips between Manningtree and Bentley; Witham and Kelvedon and approaching Needham My comment: gives I.H.P. 553-719 H.P.	-	1905	L47	D14	PT	D 026	-
I4467	Diagram Showing Expansion of Boilers	Diagram showing dimensions	30.6.92	1892	-	-	PT	D 043	-
I4469	Table of Dimensions of Piston Rods	Three types of rod shown with drawing numbers for each class Y14 , P55, T26, N31 & S44 Dg No 14993 209/G40 Dg No 10248 228/229 Dg No 11445 G15 & N17 Dg No 6327 T18 Dg No 7127 T19 Dg No 8681 E22 Dg No 7711 P43 Dg No 10420 S46 & F48 Dg No 10936 M51 & D56 Dg No 11433 C53 Dg No 11684 LM 3780 Dg No 12962 Endorsed: cancelled see Dg No 20153 17.5.15	- .12.06	1906	-	-	PT	D 037	-
I4492	Indicator Diagrams Taken From Engine No 1189	Diagrams give M.E.P. and Indicated Horse Power My comment: 1189 was first 'Belpaire' 0-6-0 G58, built 1902	5.10.06	1906	G58	J17	PT	D 073	-
I4594	Diagram of Back Plate of Boiler Showing Stays for Eng. No 552	1½" to 1' diagram of backplate of No 552 built 1906	- .7.07	1907	Y14	J15	PT	D 045	-
I4598	Diagram of Firebox Tube Plate of Boiler Showing Arrangement of Stays for Engine No	1½" to 1' diagram of 4'4" dia boiler My comment: possibly a diagram for boiler inspection	- .7.07	1907	-	-	PT	D 074	-
I4673	Diagram of Copper Tube & Back Plates	1½" to 1' diagram viewed from <u>inside</u> of firebox showing stays My comment: probably for examination purposes	- .12.08	1908	P55	F5	PT	D 071	-
I4674	Diagram Showing Maximum & Minimum Sizes of Firebox Crown Stays	Full size diagram showing dimensions	- .12.08	1908	-	-	PT	D 071	-
I4704	Built-Up Crank Axles for Goods Engines Class F48	3" to 1' elevations of crank axle Endorsed: altered 27.3.12; superseded by Dg No 25597	- .5.08	1908	F48	J17	PT	D 070	-
I4706	Copper Firebox Tube & Back Plates	1½" to 1' elevation and plan of backplates My comment: Stores ordering drawing; probably not used as there is no date or evidence of checking.	19.10.05	1905	P55 Y14	F4 J15	PT	D 073	-
I4711	Method of Repairing Copper Tube Plate on Eng. 727 (T19 Belpaire)	1½" to 1' view of firebox tubeplate possible for new bottom plate	- .10.05	1905	T19	-	PT	D 076	-
I4723	Reversing Nut-Class L55, D56, F53, S69	Full size plan and elevations of two reversing gear nuts for compressed-air operated reversing gear; LHS of drawing for L55 (S46) 4-4-0's 1860-1869, and D56 4-4-0's and S69 4-6-0's.	- .5.05	1905	S46 D56 S69	D14 D15 B12	PT	D 003	-

		RHS of drawing for F53 (S46) 4-4-0's 1870-1879. Endorsed: copy of LHS of drawing sent to Beardmore & Co for building of S69 4-6-0's 1541-1560 identified as Dg No 14723-1 My comment: drawing originally numbered Part Copy Dg Nos 12770 and 13972							
14728	Combined Elbow and Cock for Water Pick Up on Express Engines	Full size details of cock	- .11.05	1905	-	-	PT	D 061	-
14728-1	Elbow Air Cock for Water Pick-up Gear	Full size details of air cock Endorsed: traced from Dg No 14728 Att	- .8.19	1919	S69	B12	PT	D 070	-
14755	Six Wheels Coupled Goods Engines Class A60-Coupling Rods	Full size elevations and plan of fluted type as used on last engines built	- .12.05	1905	A60	J15	PT	D 070	-
14755 Part	Coupling Rod Joint Y14 Class	Full size sketch showing minimum dimensions allowable My comment: maximum shown for pin	- .12.14	1914	Y14	J15	PT	D 075	-
14798	Arrangement of Holders for Fireirons, Tools and Etc. on Tenders Class H14, S23	1 1/2" to 1' part elevations and plan of tender top showing position of fittings and 3" to 1' details Endorsed: altered 18.5.14, 22.8.16 & 17.1.24	29.1.06	1906	H14 S23	-	PT	D 014	-
14811	Arrangement of Holders for Fire Irons on Tenders Class R43	1 1/2" to 1' part side elevation and plan of tender with 3" to 1' details of components	- .1.08	1908	R43	-	PT	D 046	-
14816	Arrangement of Holders for Fire Irons on Tenders T46	1 1/2" to 1' arrangement on part elevation and plan of tender and 3" to 1' details Endorsed: altered 22.8.16 and 17.1.24	2.2.06	1906	T46	-	PT	D 014	-
14817	Four Wheels Coupled Bogie Tank Engines Class S44 – Spark Arrester	3" to 1' general arrangement showing position in smokebox and 3" to 1' details of components Endorsed: see Dg No 14085 for deflectors on inside of smokebox door	- .3.06	1906	S44	G4	PT	D 014	-
14823	Ends of Bogie Spring and Spring Hanger	Full size details of broken spring hanger on No 1101 with comparison with Dg Nos 4079A & 10010	- .2.06	1906	S44	G4	PT	D 048	-
14827	Spark Deflector for Engines	3" to 1' elevations and section of louvres mounted on door, and narrow deflector against tube plate and 6" to 1' details	- .2.06	1906	S46 D56 F48 S69 T19	D14, D15 J16, B12 D13	PT	D 053	-
14828 Part	Steel Axles	3" to 1' elevation of leading and trailing axles Endorsed: superseded by Dg No 14828-2, 22.9.27 My comment: Stores ordering drawing	- .4.16	1916	Y14 Y65	J15 F7	PT	D 079	-
14828-1	Coupling Rod Crank Pin	Full size elevation and plan of crank pin	- .2.20	1920	Y14	J15	PT	D 079	-
14828-2	Steel Axles	3" to 1' elevation of axle, leading and trailing for Y14; intermediate for Y65 Endorsed: drawing No altered from –1 to –2 30.7.28 My comment: Stores ordering drawing	- .9.27	1927	Y14 Y65	J15 F7	PT	D 079	-
14828-2	Steel Axles	3" to 1' elevation of axle Endorsed: renewal, previous tracing mislaid 8.44	- .9.44	1944	-	J15 F7	PT	D 063	-

Renewal		My comment: Stores ordering drawing							
14829	Engine Valve for Steam Heating Classes B12, D13, D15, D16, N7, J17	Full size elevations and plans of valve and components	- .1.25	1925	-	B12, D13, D15 D16 J17 N7	PT	D 064	-
14829 Part	Flange of Engine Valve for Steam Heating for Engines T19 Belpaire & D56	Full size section and elevation of flange Endorsed: To be obtained from W.S. Laycock Ltd, Victoria Works, Sheffield	- .2.06	1906	T19R, D56	D13 D15	PT	D 002	-
14836	Six Wheels Coupled Goods Engines (Y14 Class after A60) Balance Weights in Cast Steel Wheels	3" to 1' elevations of driving, leading and trailing wheels My comment: stores ordering drawing	- .7.06	1906	Y14	J15	PT	D 070	-
14866	Tenders Class T46 with Large Tanks-Axle with Enlarged Wheel Seats	3" to 1' elevation of axle length 7'4 1/2" Endorsed: this axle is to suit T19 Class leading wheels used under standard tenders H61 class My comment: stores ordering drawing- .3.06	1906	1915	T19	-	PT	D 077	-
14896	Asbestos Clothing for Four Coupled Bogie Express Engines Class D56	1 1/2" to 1' details of 11 mats My comment: stores ordering drawing	- .11.15	1915	D56	D15	PT	D 040	-
14901	Engines Type J69-Ashpan	3" to 1' elevations, section and plan of ashpan Endorsed: see Dg No 29340 for details of ashpan; Dg Nos 26384 and 26384 Att for Group standard firebars; Dg No 7140 for details	14.4.30	1930	-	J69	PT	D 024	-
14906	Asbestos Clothing for Four Coupled Bogie Tank Engines S44 Class	1 1/2" to 1' details of 9 mats	30.4.06	1906	S44	G4	PT	D 024	-
14908	Asbestos Clothing Six Coupled Tank Engines with Boiler to Dg No 10588 Class T18	1 1/2" to 1' details of 8 mats	8.2.16	1916	T18	J66	PT	D 024	-
14927	Footstep on Smokebox Front	3" to 1' half elevation and plan of footstep for engines with smokebox doors 4'7" dia	5.3.15	1915	S46 D56 F48 G58 E71 E72 D81 S69 T19R	D14 D15 J16 J17 J18 J19 J20 B12 D13	PT	D 002	-
14951	Four Wheels Coupled Tank Engines Class C32-Condensers-Arrangement and Details of Spark Arrestor and Alteration to Condensing Gear	3" to 1' arrangement shown on outline elevations of smokebox and 6" to 1' details of components	- .6.06	1906	C32	F3	PT	D 087	-
14962	Four Coupled Tank Engines Class P55-Sketch of Brick Arch & Deflector Plate	1 1/2" to 1' outline of firebox showing position of deflector and arch	- .6.06	1906	P55	F4 F5	PT	D 038	-
14976 Part	Sketch of Trailing Footstep	1 1/2" to 1' elevation and plan of footstep Mt comment: purpose of sketch not indicated, but probably to show addition of 3/8" thick stiffening plate behind step	- .6.15	1915	D56	D15	PT	D 069	-
14993	Piston and Rod for Engines Y14 Class	Full size details	- .8.23	1923	Y14	J15	PT	D	-

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I4993 Ren	Piston and Rod for Engines Classes Y14, O18, T26, C32, G69 and Types J15, F4, E4, F3 and F6	Full size elevations Endorsed: altered 8.34, 29.6.51	5.3.27	1927	Y14 C32 O18 T26 G69	J15 F3 F4 E4 F6	PT	D 074	-
I4993 -I	Steel Piston Rods	3" to 1' elevation and plan of rod My comment: Stores ordering drawing	- .6.19	1919	Y14	J15	PT	D 074	-
I5000	Ash Ejector Details for Classes S46, D56, T19	Full size details of 7 components Endorsed: altered 8.2.11	17.12.06	1906	S46, D56, T19	D14 D15 D13	PT	D 019	-
I5009	Spring for Engines M15 driving, T19 Driving and Trailing, T26 Driving and Trailing, D27 Driving Only, N31 Leading, Driving & Trailing, C32 Driving and Intermediate, P43 Inside Driving, S44 Leading and Driving	6" to 1' elevation, section and plan of 13 plate spring 3' 5 1/4" centres unloaded Endorsed: see I5009 Att for alteration to spring buckle, etc	- .8.06	1906	M15 T19 T26 D27 N31 C32 P43 S44	F4 D13 E4 - J14 F3 - G4	PT	D 015	-
I5009 Att	Engine Springs to Dg No I5009E-Spring Buckle and Section of Bottom Spring Plate	6" to 1' elevations and plan of buckle Endorsed: altered 12.33	2.10.24	1924	M15 T26 T19 N31 C32 S44	F4 E4 D13 J14 F3 G4	PT	D 017	-
I5009 Part	Spring Buckles	Full size elevation and section of buckle for classes M15 Driving T26 Driving and trailing T19 Driving and trailing D27 Driving (subsequently deleted) N31 Leading, driving and trailing C32 Driving and intermediate Endorsed: see Attachment for S44 leading and driving My comment: Stores ordering drawing	3.11.22	1922	M15 T26 T19 D27 N31 C32	F4 E4 D13 - Y14 F3	PT	D 017	-
I5010	Arrangement and Details of Indicator for Scoop on Tenders with 3,500 Gallons Capacity	1 1/2" to 1' elevations of tender showing scoop and shafting and 6" to 1' and full size details of indicator and fixings	- .9.06	1906	-	-	PT	D 044	-
I5011 Att	Four Wheels Coupled Tank Engines Class C59- Arrangement of Tank Protection Plates	1 1/2" to 1' sectional elevations showing wash plates	- .2.12	1912	C59	F4	PT	D 001	-
I5029	Intermediate Spring for Engines Classes (M15, O18, P55) F4, F5 & F6	6" to 1' half elevation and section of 12 plate spring, 3'6" centres loaded Endorsed: see Dg No I5029 Attachment for alteration to spring buckle etc.; altered 1.34	- .8.06	1906	M15, O18, P55	F4 F5 F6	PT	D 016	-
I5029 Att	Spring Buckle & Section of Bottom Spring Plate	Full size elevation, section and plan of spring buckle, 5" plate for engine springs to Dg No I5029	- .11.25	1925	-	-	PT	D 035	-

		Endorsed: machining altered for ribbed plates 12.33							
I5030 -A46	Sets Copper Firebox Plates	Unscaled drawing, 3 plates to a set Endorsed: superseded see later tracing, same number 12.41; for engines classes E4, F3, J15 with inclined bottom box. My comment: Stores ordering drawing	- .10.39	1939		E4 F3 J15	PT	D 071	-
I5030 -A46	Sets Copper Firebox Plates	Unscaled drawing Endorsed: for engines classes E4, F3, J15 with inclined bottom box My comment: Stores ordering drawing	- .12.41	1941	-	E4 F3 J15	PT	D 053	-
I5030 -A60	Sets Copper Firebox Plates	Unscaled drawing Endorsed: for engines classes Y14, T19 with square bottom box My comment: Stores ordering drawing	- .12.15	1915	Y14 T19	J15 D13	PT	D 053	-
I5030 -A64	Sets Copper Firebox Plates	1½"to 1' details of plates My comment: Stores Ordering drawing	- .3.00	1900	E22	J65	PT	D 053	-
I5030 -A72	Sets Copper Firebox Plates	1½"to 1' details of plates My comment: Stores Ordering drawing	- .12.02	1902	C53	J70	PT	D 053	-
I5030 -A79 Ren	Copper Firebox Plates	1½"to 1' details of plates My comment: Stores Ordering drawing	- .11.36	1936	T19 F48 D56	D13 D15 J17 J18 J19	PT	D 042	-
I5030 -A83	Sets Copper Firebox Plates	1½"to 1' details of plates for Belpaire boiler My comment: Stores Ordering drawing	- .6.06	1906	T19	-	PT	D 053	-
I5030 -A84 Part	Copper Firebox Plates	1½"to 1' details of half side plate My comment: Stores Ordering drawing	- .2.29	1929	-	-	PT	D 053	-
I5030 -A87	Sets Copper Firebox Plates	1½"to 1' details of plates My comment: Stores Ordering drawing	- .2.16	1916	T18	J66	PT	D 053	-
I5030 -A87	Sets Copper Firebox Plates	1½"to 1' details of plates My comment: Stores Ordering drawing	- .7.32	1932	-	J65 J66 J67	PT	D 053	-
I5030 -A90	Sets Copper Firebox Plates	1½"to 1' details of plates My comment: Stores Ordering drawing	- .2.16	1916	M15 P55	F4	PT	D 053	-
I5030 -A91 Ren	Sets Copper Firebox Plates	1½"to 1' details of plates for 180psi boilers My comment: Stores Ordering drawing	- .10.36	1936	-	J68 J69	PT	D 053	-
I5030 -A93	Sets Copper Firebox Plates	1½"to 1' details of plates My comment: Stores Ordering drawing	- .8.38	1938	-	F5 F6	PT	D 053	-
I5030 -A94	Sets Copper Firebox Plates	1½"to 1' details of plates for Belpaire boiler Endorsed: see A113 for backplate with oval firedoor My comment: Stores Ordering drawing	- .8.38	1938	-	B12	PT	D 053	-
I5030 -A95	Sets Copper Firebox Plates	1½"to 1' details of plates Endorsed: superseded by Dg No 15030-A-114 7.32 My comment: Stores Ordering drawing	- .2.13	1913	B74	Y4	PT	D 053	-
I5030 -A98	Sets Copper Firebox Plates	1½"to 1' details of plates for Belpaire boiler My comment: Stores Ordering drawing	- .6.35	1935	K85	N7	PT	D 053	-



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I5030 -A104 Ren	Sets Copper Firebox Plates	1½" to 1' details of plates for Belpaire boiler My comment: Stores Ordering drawing	- .12.38	1938	-	D16	PT	D 053	-
I5030 -A107	Sets Copper Firebox Plates	1½" to 1' details of plates Copy of GCR Drg I5133C My comment: Stores Ordering drawing; copy of GCR Drg I5133C	- .9.26	1926	-	-	PT	D 053	-
I5030 -A103	Copper Firebox Plates	1½" to 1' details of plates ¾ back plate My comment: Stores Ordering drawing	- .2.18	1918	S69	B12	PT	D 053	-
I5030 -A106	Copper Firebox Plates	1½" to 1' details of plates for fireboxes with double corners ¾ back plate for Belpaire boilers My comment: Stores Ordering drawing	- .5.27	1927	T19 F48 D56	-	PT	D 053	-
I5030 -A108	Copper Firebox Plates	1½" to 1' details of ¾ back plate My comment: Stores Ordering drawing	- .12.26	1926	-	-	PT	D 053	-
I5030 -A109	Copper Firebox Plates	1½" to 1' details of ¾ back plate My comment: Stores Ordering drawing	- .11.27	1927	-	F6	PT	D 053	-
I5030 -A110	Sets Copper Firebox Plates	1½" to 1' details of plates My comment: Stores Ordering drawing	- .2.29	1929	Y65	F7	PT	D 053	-
I5030 -A111	Copper Firebox Plates	1½" to 1' details of plates for 5'6" boiler My comment: Stores Ordering drawing	- .10.32	1932	-	B12	PT	D 042	-
I5030 -A112	Copper Plates	1½" to 1' details of a set of 3 plates, tube, back and wrapper for round top firebox. My comment: Stores Ordering drawing	- .1.39	1939	-	N7	PT	D 056	-
I5030 -A113	Copper Firebox Backplates	1½" to 1' details of back plate for Belpaire with oval firehole My comment: Stores Ordering drawing	- .7.32	1932	-	B12	PT	D 077	-
I5030 -A114	Sets Copper Firebox Plates	1½" to 1' details of 3 plates My comment: Stores Ordering drawing	- .7.32	1932	-	Y4	PT	D 077	-
I5030 -A-115	Sets Copper Firebox Plates	1½" to 1' details of 3 plates My comment: Stores Ordering drawing	- .11.32	1932	-	N7	PT	D 078	-
I5030 -A116	Sets Copper Firebox Plates	3/8" to 1' details of 3 plates A, B and, C My comment: Stores Ordering drawing Copy of Darlington Drg I3402-D	- .11.32	1932	-	B17	PT	D 066	-
I5030 -A-117	Sets of Copper Firebox Plates	1½" to 1' details of 3 plates for boiler to Dg No 29803 My comment: Stores Ordering drawing	- .5.33	1933	-	D14 D15 D16	PT	D 077	-
I5030 -E-A118	Sets of Copper Firebox Plates	1½" and ¾" to 1' details of 3 plates My comment: Stores Ordering drawing	- .7.33	1933	-	Y5	PT	D 077	-
I5030 -A-119	Sets Copper Firebox Plates	1½" to 1' details of 3 plates Endorsed: For future orders see Dg No N1180 (35935) I5.4.53 My comment: Stores Ordering drawing	- .11.33	1933	-	B17	PT	D 077	-
I5030 -A-120	Copper Half Tube Plates	1½" to 1' details of half front tube plates for repairs-B12 and B17 round top My comment: Stores Ordering drawing	- .3.34	1934	-	B12 B17	PT	D 077	-
I5030	Copper Half Tube Plates	1½" to 1' details of half front tube plates for repairs-B12, D16 and	- .3.34			B12			

-121		J20 Belpaire My comment: Stores Ordering drawing				D16 J20			
15030 -122	Copper Half Tube Plates	1½" to 1' details of half front tube plates for repairs-J68 and J69 My comment: Stores Ordering drawing	- .3.34			J68 J69			
15030 -123	Copper Half Tube Plates	Unscaled details of half front tube plates for repairs-D13, D15, J17, J18 and J19 My comment: Stores Ordering drawing	- .3.34			D13 D15 J17 J18 J19			
15030 -A-124	Copper half tube plates	1½" to 1' details of 1 plate for round top D&J Boilers to Dg No 29803 My comment: Stores Ordering drawing	-	-	-	-	PT	D 078	-
15030 -A-125	Sets Copper Firebox Plates	1½" to 1' details of 3 plates My comment: Stores Ordering drawing	- .12.42	1942	-	J92	PT	D 077	-
15034	Asbestos Clothing for Four Coupled Radial Tank Engines C59 Class	1½" to 1' elevations of 8 mats	- .9.06	1906	C59	F4	PT	D 061	-
15048	Cast Iron Ashbox	3" to 1' general arrangement of ashbox	- .10.06	1906	S46	D14	PT	D 081	-
15060 Att	Alteration to Frame of No 1189 Goods Engine to Suit G58 Class Boiler	1½" to 1' outline side elevation showing alteration to frame	- .8.25	1925	F48	J16	PT	D 030	-
15060 Att	Engines Type J17 Rebuilt with Standard 'D&J' Boiler	1½" to 1' arrangement of 1' 1" extension to leading end of frames. Endorsed: See Dg No 15060 for remaining dimensions. My comment: proposed rebuild with Dia 28A boiler not proceeded with	- .- .37	1937	-	J17	PT	D 017	-
15072	Wrot. Cast Iron Frames for Ash Boxes for Classes T19 Belpaire with G16 Bogies, S46, D56	6" to 1' arrangement of left hand frame My comment: Stores Ordering drawing	31.10.06	1906	T19 S46 D56	- D14 D15	PT	D 020	-
15073	Four Wheels Coupled Express Engines Class S46- Arrangement and Details of Fire Box Roof Stays	3" to 1' arrangement of firebox with full size details of stays Endorsed: for further dimensions of boiler see Dg No 11548; modified 7.10.08	- .5.07	1907	S46	D14	PT	D 032	-
15075	Four Wheels Coupled Express Engines Class S46- Asbestos Clothing	1½" to 1' elevations of 15 mats Endorsed: for ordinary boilers	2.11.06	1906	S46	D14	PT	D 021	-
15081 Att	Arrangement for Fixing Sand Pipes for Trailing Wheels Four Coupled Bogie Express Engines S46 and D56 Classes	1½" to 1' arrangement with 6" details Endorsed: altered 5.12.08 & 27.3.15; work to green for engines fitted with Lambert's water sanding gear 1913	27.10.08	1908	S46 D56	D14 D15	PT	D 022	-
15082	Steel Throat Plates	3" to 1' details of single plate 9/16" thick My comment: Stores Ordering drawing	5.11.06	1906	S46	D14	PT	D 020	-
15083	Four Wheels Coupled Bogie Express Engines Class F53, D56-Connecting Rod	Full size details of parts and 1½" to 1' arrangement of rod Endorsed: numerous alterations; superseded by Dg No 33047	-	1906	F53 D56	D14 D15	PT	D 033	-
15083 Att	Connecting Rod Big End Brasses with Felt Oiling Strips	Full Size elevations and sections of big end Endorsed: altered 1.9.32 and 25.5.1934	- .11.25	1925	D56 H88	D15 D16	PT	D 033	-
15083	Big End Brasses M51 Class	Full size elevations and sections of brasses	16.6.19	1919	S46	D14	PT	D	-

-I		Endorsed: altered 6.4.25 and 27.4.25 but latter cancelled My comment: Stores Ordering drawing						028	
I5084	Four Wheels Coupled Bogie Express Engines Class T19-Asbestos Clothing	1½" to 1' elevations of 11 mats My comment: stores ordering tracing	6.11.06	1906	T19	D13	PT	D 033	-
I5088	Asbestos Clothing for Six Coupled Goods Engines Y14 Class	1½" to 1' elevations of 7 mats My comment: a stores ordering drawing	- .1.16	1916	Y14	J15	PT	D 075	-
I5092 Ren	Engines Type F4 & 5-Details of Tank Fittings	Full size elevations and plans of 4 components and a sectional view of attachment to boiler Endorsed: handrails shown for other classes	- .6.33	1933	-	F4 F5 F6 J65 J66 N7	PT	D 078	-
I5092 Part	Handrail Column and Handle for Coal Bunker Door	Full size elevations and details	- .2.25	1925	-	N7	PT	D 033	-
I5099	Arrangement of Tubes in Tubeplates for Engines Classes Y14, T19, T26, N31, C32	6" to 1' half elevation of smokebox and firebox tubeplates Endorsed: for other dimensions see Dg No 10289	- .12.18	1918	Y14 T19 T26 N31 C32	J15 D13 E4 J14 F3	PT	D 075	-
I5030-A-126	Sets Copper Firebox Plates	1½" to 1' details of 3 plates for round top boilers My comment: Stores Ordering drawing	- .10.40	1940	-	B12 J20	PT	D 077	-
I5422 Part	Sand Ejector Steam Valve	6" to 1' arrangement of valve Copy of Gresham & Craven Ltd Dg No 3428	- .10.35	1935	-	-	TI	D 077	-
I5893	Coupling Links and Pins between Engine and Tender	Full size elevations and plan of two types of link and pins Endorsed: for S69 engines and T69 tenders and E72 engines and F72 tenders see Dg No 17275 10.10.11	- .12.06	1906	Y14 S69 E72	J15 B12 J18	PT	D 078	-
I5908	Eccentric Sheaves for Engines Y14, P55, T18, E22, R24, Y65, G75	Full size elevations with diagram Endorsed: for G69 class see Dg No 17611 7.12.10; for eccentric strap see Dg No 6164; altered 5.07	- .2.95	1895	Y14 P55 T18 E22 R24 C75 Y65	J15 F4 J66 J66 J65 J69 F7	PT	D 079	-
I5915	Asbestos Clothing for Six Coupled Tank Engines S56 Class	1½" to 1' elevations of 6 mats	- .2.16	1916	S56	J69	PT	D 068	-
I5920	Six Wheels Coupled Tank Engines Class E22-Steel Fire Box	3" to 1' elevations, sections and plan of fire box	- .1.07	1907	E22	J65	PT	D 014	-
I5937	Alteration to Sliding Doors for Six Coupled Tank Engines R24 Class	1½" to 1' side elevation showing doors, full size details of fittings Endorsed: for other dimensions of sliding door see attachment to Dg No 9579	28.2.07	1907	R24 S56	J67 J69	PT	D 001	-
I5938 Att	Arrangement of Crown Stays for Boilers with Steel Fireboxes	1½" to 1' elevations and sections of stays Endorsed: 3 boilers to this; for dimensions see Dg No 15938; for arrangement of boiler see Dg No 15938; for details of slings and stays see Dg No 15976	- .3.07	1907	E22	J65	PT	D 049	-
I5938	Arrangements of Crown Stay Hangers for Steel	1½" to 1' arrangements: A Engines 307, 404 and 416; B Engines	29.12.09	1909	-	-	PT	D	-

Part	Fireboxes	0107 and 402						039	
15976	Crown Stays and Hangers for Steel Fireboxes E22 Class	Full size details of 6 components; scheme A and B	- .3.07	1907	E22	J65	PT	D 032	-
15983	Malleable Cast Iron Flanges for Metallic Packing	Full size details of flanges for piston rods and valve spindles Endorsed: Originally Dg No 13116 Part? My comment: Stores Ordering drawing	- .3.07	1907	E22	J65	PT	D 071	-
15996	Steel Firebox Throat Plates	Unscaled details of plates My comment: Stores Ordering drawing	- .3.07	1907	S44	G4	PT	D 042	-
16000	Profiles of Engine Tyres	Full size profiles for existing and proposed for A bogie, leading and driving for 4 coupled engine; B driving for 6 coupled	14.1.08	1908	-	-	PT	D 016	-
16015	Foundation Ring for Boilers with Steel Fireboxes	Full size details of riveting and 3" to 1' arrangement of foundation ring	- .2.17	1917	E22	J65	PT	D 071	-
16035	Steel Firebox Throat Plates	1½" to 1' details of plates ½" thick for 791 class tank engines	14.5.07	1907	M15	F4	PT	D 027	-
16039	Alteration to Ash Ejector Gear for Express Engines S46 & D56 Class	1½" to 1' arrangement of alterations and full size details Endorsed: ashbox to Dg No 14282	- .5.07	1907	S46 D46	D14 D15	PT	D 051	-
16040	Expansion Bracket for S56 Class Boilers to Dg Nos 16089	6" to 1' elevation and plan and full size details of fixing Endorsed: work to red for S46 engines with Belpaire boilers (Dg No 13688 Att) 2.15	- .8.07	1907	S46	D14	PT	D 051	-
16040 Att	Expansion Bracket Adaptor	Full size and 6" to 1' details of adaptor for D15 engines fitted with boiler to Dg No 22205, with expansion brackets to suit J17 class.	-	-	S46	D15	TI	D 051	-
16043	Arrangements for Holders for Fire Irons on Tenders No1 Class	1½" to 1' arrangement of top part of tender showing holders. Endorsed: altered 17.1.24 and 22.8.16	31.5.07	1907	No1	-	PT	D 081	-
16052	Arrangement and Details of Trailing Sand Gear	3" to 1' arrangement of sand gear and full size details, sandboxes in cab	- .6.07	1907	T26	E4	TP	D 053	-
16053	Cast Iron Ash Box	3" to 1' arrangement of ashbox, two per set right hand and left hand	- .6.07	1907	S46	D14	PT	D 046	-
16057	Steel Tube for Vacuum Brake	3" to 1' details of tube	- .6.07	1907	D56	D15	PT	D 051	-
16069	Arrangement of Ash Ejector	1½" to 1' arrangement of ejector for hopper shaped ashboxes	-	-	S46 D46	D14 D15	PT	D 081	-
16076	Cast Iron Ash Box	3" to 1' arrangement of ash box and full size details for T19 Belpaire with G16 bogie	- .7.07	1907	T19	D13	PT	D 045	-
16077	Steel Boiler Throat Plates	1½" to 1' details of throat plate My comment: Stores Ordering drawing	- .6.07	1907	Y14	J15	PT	D 074	-
16086	2" Steam Pipe Bends to Sketch	3" to 1' details of pipes purpose unknown My comment: Stores Ordering drawing	- .7.07	1907	D56	D15	PT	D 035	-
16089 Att	Boilers Class S46, F48 with Direct Roof Stays-Sketch of Back Plate with Raised Firehole	1½" to 1' sectional end elevation of backplate Endorsed: for dimensions not shown see Dg No 16089	- .1.12	1912	S46 F48	D14 J16	PT	D 072	-
16095	Davies & Metcalfe's 10mm Injector	Full size sectional elevations of injector	- .7.07	1907	-	-	PT	D 052	-
16110	Ash Box Dust Shield	3" to 1' detail of shield to deflect ashes when discharged and outline	- .7.07	1907	S46	D14	PT	D	-

		of ash box						046	
16111	Ash Box Dust Shield	3" to 1' details of shield to deflect ashes when discharged and outline of ash box	- .7.07	1907	T19	D13	PT	D 046	-
16134	Six Wheels Coupled Goods Engines Class L52, P52, B54, P54 (to Boiler Dg No 11548)-Asbestos Clothing	1½" to 1' plans of 14 mattresses	- .8.07	1907	L52	J16	PT	D 056	-
16140	Detachable Vanes for Spark Arresters	3" to 1' arrangement of detachable v on inside of smokebox door	- .11.07	1907	S46 D56 F48 S59 T19 LM3780	D14 D15 J16 J17 D13 -	PT	D 055	-
16203	Clips for Smokebox Doors Express Engines S46 1900 Class and Goods Engines F48 1150 Class	3" to 1' part end elevation of smokebox door and full size detail of clip My comment: first type of door without recessed ring on smokebox	27.10.08	1908	S46 F48 T19R	D14 J16 D13	PT	D 008	-
16208	Ashbox Door Gear	1½" to 1' arrangement of ashboxes and operating linkages and full size details of components	20.9.07	1907	T19R	D13	PT	D 082	-
16209	Firebars	3" to 1' elevations of firebars	- .9.07	1907	T19R S46 D56 F48	D13 D14 D15 J16 J17	PT	D 023	-
16210	Asbestos Clothing for Tram Engines Class C53	1½" to 1' details of 8 mattresses	1.10.07	1907	C53	J70	PT	D 001	-
16220	Engines S46 Class Cast Iron Liners for Steel Ashboxes	3" to 1ft details of liners for 3 sides of ashboxes	- .10.07	1907	S46	D14	PT	D 014	-
16223	Four Wheels Coupled Shunting Engines 209 Class-Arrangement and Details of Spark Arrestor	3" to 1' sectional elevations of smokebox with louvred arrester and 6" to 1' details of fittings	- .10.07	1907	209	Y5	PT	D 044	-
16230 -1	Blower Cock	Full size details of cock mounted on smokebox side My comment: similar to Std detail	- .8.19	1919	S69	B12	PT	D 044	-
16230 -2	Blower Seating on Front Tube Plate	Full size details of seating My comment: superseded by Dg No 32434 3.35	- .4.28	1928	-	B12 D14 D15 D16 J16 J17	PT	D 044	-
16230 Part	Blower Cock Seating	Full size details of seating	- .5.19	1919	1500	B12	PT	D 039	-
16237	Steam Pipe Elbow for Superheater	Full size sectional elevations and plan of elbow Endorsed: for arrangement of superheater see Dg No 16188	- .11.07	1907	D56	D15	PT	D 005	-
16246	Engines D56 Class Fitted with Steel Ash Boxes-Gear for Working Ash Box Doors Separately	1½" to 1' arrangement of gear and full size details of components Endorsed: altered for engines fitted with cast iron ash boxes 19.3.08; altered 19.5.08 & 27.10.09; cancelled see Dg No 16790 for D56 class and Dg No 16246 Att for engines 1880 to 1900 9.11.09	18.11.07	1907	D56	D15	PT	D 009	-
16246	Alteration to Ash Ejector Gear to Suit Engs. 1800 to	1½" to 1' arrangement of gear and full size details of components	25.2.09	1909	S46	D14	PT	D	-

Att	1900 with CI Boxes							008	
16249 Ren	Steel Tubes for Vacuum Brake	3" to 1' details of internal tubes in boiler, 4 lengths of 2 3/8" ID. Endorsed: original dated 15.12.15 My comment: Stores Ordering drawing	- .11.27	1927	-	D16/3 B12/3	PT	D 077	-
16264	Four Wheels Coupled Bogie Express Engines Classes S46, M51, F53, L55-Asbestos Mattresses for Boilers to Dg No 16089	1 1/2" to 1' plans of 17 mattresses	29.1.08	1908	S46	D14	PT	D 002	-
16272 Ren	Safety Valve Seating	6" to 1' section and plan of seating for boilers with 4'2" and 4'4" barrels	21.10.29	1929	-	-	PT	D 002	-
16275	Four Wheels Coupled Express Engines Class L55 Trailing Hornblocks & Axlebox	6" to 1' elevation, section and plan of hornblocks	30.12.07	1907	S46 L55	D14	PT	D 002	-
16276	Belpaire Boilers T19 Class with Bogie-Additional Stays for Smokebox Tubeplates	1 1/2" to 1' front elevation of tubeplate and 3" to 1' details of the 2 additional stays	18.12.07	1907	T19	-	PT	D 002	-
16281	Sketch of Steel Firebox Tube Plate showing Method of Flanging	Full size sketch of flanging Endorsed: cancelled, see new tracing same number 19.3.17	- .11.16	1916	-	-	PT	D 066 7	-
16281	Sketch of Steel Firebox Tube Plate Showing Method of Flanging	Full size sketch showing method of producing a 5/16" thick plate thickened to 5/8" for tube area for steel fireboxes	- .3.17	1917	-	-	PT	D 067	-
16299	Foundation Rings for Boilers with Steel Fireboxes to Class P55	3" to 1' plan of foundation ring and full size details of riveting	- .12.07	1907	P55	F5	PT	D 065	-
16307	Scheme for Applying Water to Rails from Engines (G58 Class)	1 1/2" to 1' arrangement shown on outline of engine frame and full size details of cocks, clips and unions	12.12.07	1907	G58	J17	PT	D 002	-
16317	Cooper's Anti Friction Bearings	Full size elevation and plan of roller on axle bearing	- .12.07	1907	-	-	PT	D 077	-
16328 Sheet 1	Sets of Vacuum Brake Pipes	Full size details of pipes for dual fitted F4 (M15) Endorsed: Eng 216-220	- .6.07	1907	LM4620	F4	PT	D 077	-
16328 -1	2" Steam Pipe Bends	1 1/2" to 1' details of bends shown on two sheets	- .6.07	1907	-	-	PT	D 087	-
16331	Arrangement and Details of Hand Sanding Gear	1 1/2" to 1' arrangement of gear and 6" to 1' details of components My comment: forward sands for leading, driving and trailing wheels, final arrangement	3.11.08	1908	G58	J17	PT	D 039	-
16332	Four Wheels Coupled Express Engines Class T19 with Belpaire Boiler-Coupling Rod	Full size part elevations and plan of rod Endorsed: altered 20.12.30 and 5.3.41	- .2.08	1908	T19	D13	PT	D 040	-
16339	Details of Vacuum Pipes	Full size details and list for of 2" bore pipes etc Endorsed: for D56 superheater engines see Dg No 24350	- .1.08	1908	D56	D15	PT	D 045	-
16354	Protectors for Sight Feed Lubricators Stone, Dewrance, Vacuum, Wakefield De Limon	Full size details of protectors for Stone, Dewrance, Vacuum, Wakefield and De Limon lubricators Endorsed: altered 4.1.09 and 30.9.09	14.4.08	1908	-	-	PT	D 059	-
16358 Part	Sketch Showing Pipes for Wakefield's 2 Pint Triple Sight Feed Lubricator	3" to 1' front and side elevations of lubricator My comment: drawing water damaged	3.6.09	1909	-	-	PT	D 026	-
16359	Standard Steam Heating Coupling	Full size elevations and details traced from blueprint received from Midland Railway 14.1.06	4.2.08	1908	-	-	PT	D 059	-
16365	Cast Iron Ash Box	3" to 1' arrangement of ash box made from iron castings and 6" to 1' details	- .8.08	1908	S46 D56	D14 D15	PT	D 072	-

					T19	D13			
16369	Flange of Engine Valve for Steam Heating	Full size details of valve mounted on backhead	- .2.08	1908	T26	E4	PT	D 039	-
16370 Att	Alteration to Steam Heating Pipes to suit GN Type Elbow & Safety Valve	1½" to 1' arrangement of piping etc in cab	- .7.25	1925	T26 B70 Y14	E4 J15	PT	D 044	-
16396	Steel Tubes	Full size details of tubes 1¾" OD x 13 SWG My comment: Stores Ordering drawing	- .12.10	1910	-	-	PT	D 043	-
16403	Vacuum Brake Pipe Bends	Full size details of pipe bends My comment ; probably a Stores Ordering drawing	- .3.08	1908	-	-	PT	D 039	-
16407	Standard Cross Head	Full size sectional elevations and plan of cross head with 6" to 1' details Endorsed: numerous alterations for various classes; superseded by Dg No 29647 29.11.30	- .4.08	1908	-	-	PT	D 079	-
16407 Att	Alterations to Bottom Liner for Crossheads	Full size elevation and plan of liner Endorsed: altered 8.30; superseded by Dg No 29647 29.11.30	- .1.28	1928	-	-	PT	D 035	-
16429	Steel Firebox Throat Plates	Full size details of plate for 180psi boiler My comment: Stores Ordering drawing	- .4.08	1908	T18	J66	PT	D 056	-
16455	Sketch of Firebox Tube Plate with Reduced Dia. Tube Ends	3" to 1' details of 1¾" O.D. tubes reduced to 1¼" O.D. at tubeplate	- .5.08	1908	-	-	PT	D 045	-
16456	Driving Sand Box Shewing Hand Sanding Gear	3" to 1' arrangement of sand box	- .5.08	1908	G58	J17	PT	D 012	-
16465	Asbestos Clothing for Tram Engines Class C32 with Boilers to Dg No 10289	1½" to 1' details of 9 mattresses	29.5.08	1908	C53	J70	PT	D 016	-
16481	Alteration to Cab Roof	3" to 1' details of cab roof sides modified to clear loading gauge	- .6.08	1908	S56	J69	PT	D 045	-
16483	Ash Ejecting Blast Pipe with Steam Jets	3" to 1' arrangement of 3 separate outer annuli with steam jets blowing up them Endorsed: D56 pattern to be altered for trial	- .5.08	1908	D56	D15	PT	D 056	-
16495	Four Wheels Coupled Bogie Express Engines D56 Class-Smokebox Door Arrangement	6" to 1' section and elevation of door Endorsed: detail added for class T67, E72, L77, S69; Dg No 16495 superseded by Dg No 25554 My comment: tracing badly water stained	- .6.08	1908	D56 L77	D15 N7	PT	D 052	-
16495 Part	Section of Joint Ring for Smokebox Door	Full size details of standard ring My comment : drawing water damaged	- .1.13	1913	-	-	PT	D 035	-
16509	Four Coupled Radial Tank Engines Class M15- Arrangement of Whitaker's Patent Tablet Exchange Apparatus	1½" to 1' arrangement of apparatus on cab side and details of components	- .9.08	1908	M15	F4	PT	D 060	-
16513	Four Wheels Coupled Bogie Express Engines D56 Class-Forward Eccentric Strap for Special motion 1830 Engine and last 5 D67 Engines	Full size elevations and plan of strap	- .10.09	1909	D56	D15	PT	D 040	-
16521	Cast Steel Motion Plate	6" to 1' elevation, section and plan of plate My comment: appears from note to be same as Y14 iron pattern to Dg No 6142; Stores Ordering drawing	- .7.08	1908	O18	F4	PT	D 078	-
16522	Four Wheels Coupled Mixed Traffic Engines Class	1½" to 1' elevations of apparatus on cab side and 6" to 1' details of	- .9.08	1908	T26	E4	PT	D	-

	T26-Arrangement of Whitaker's Patent Tablet Exchange Apparatus	fittings						058	
I6523	Six Wheels Coupled Tank Engines T18 Class-Arrangement of Whitaker's Patent Tablet Exchange Apparatus	1 1/2" to 1' arrangement of apparatus on cab side and 3" to 1' details of fittings	- .9.08	1908	T18	J66	PT	D 047	-
I6526	Four Wheels Coupled Express Engines D56 Class-Arrangement and Details of Starting Valve	1 1/2" to 1' elevations of arrangement and 6" to 1' and full size details of rods and brackets Endorsed: for D56 with cast iron boxes work to red 26.10.09; work to blue dimensions for engines with Stones blast pipe; 1830 eng. to black, last 5 D67 Engs. to red and black	- .8.08	1908	D56	D15	PT	D 040	-
I6528	Dust Shields for C.I. Ash Boxes	3" to 1' details for 2 types of dust shield	- .8.08	1908	T19 S46 D56	D13 D14 D15	PT	D 058	-
I6545	Davies Patent Improved Safety Valves No.26261	Full size details of safety valve, Endorsed: T J Davies, 2 South Bank Road, Normanby, Yorks. Patent 1906 My comment: patent relates to adjustment of 'Ramsbottom' type safety valves.	- .8.08	1908	-	-	PT	D 042	-
I6548	Details of Whitaker's Patent Tablet Exchange Apparatus	6" to 1' arrangement of apparatus and components Endorsed: altered for classes J17 18.6.42; F3 7.46 and J17 3.45	- .9.08	1908	F48 C32	J17 F3	PT	D 003	-
I6548	Details of Whitaker's Patent Tablet Exchange Apparatus	6" to 1' elevations and details of tablet exchanger. My comment: This is a copy master taken from original Dg No 16548, which had been modified in LNER period to show dimensions applicable to F3 & J17 classes. References to F3 have been deleted on this copy and drawing carries a pencil note "This tracing prepared to avoid showing F3 on copy sent to L.R.S"	18.6.42	1942	F48 G58	J16 J17	PT	D 003	-
I6553 Part	Cylinder Cock	Full size arrangement of cock	- .3.30	1930	E22 T18 R24 S56 C72	J65 J66 J67 J68 J69	PT	D 035	-
I6554	Four Wheels Coupled Bogie Express Engines Class D56-Rod, Pipe & Clothing Details	1 1/2" and 6" to 1' and full size details of numerous components Endorsed: altered for engines with Schmidt superheater	- .12.21	1921	D56	D15	PT	D 036	-
I6557	Sketch of Old Bogie Wheels as Supplied to Messrs R Fraser & Sons Ltd	3" to 1' details of 8 spoke wheels 2' 8 1/4" dia with 2 1/4" tyres My comment : Fraser was a dealer in second hand rolling stock	- .9.08	1908	-	-	PT	D 041	-
I6563	Great Eastern Railway Cyls 17 1/2" x 24" Isaacson's Link Motion-Patented	Full size section of crank with two eccentric throws shown Copy of Manning Wardle Dg No U No. 90 , 13.7.08	- .9.08	1908	-	-	PT	D 045	-
I6564	Wall's Patent Gauge Glass Protector	Full size details of standard protector	- .9.08	1908	-	-	PT	D 059	-
I6576	Four Wheels Coupled Bogie Express Engines A64 (Class D56)-Arrangement of Indicating Gear	3" to 1' elevations and plan of gear fitted to No 1830	- .4.23	1923	D56	D15	PT	D 059	-
I6577 Part	Indicating Gear Details	3" to 1' arrangement of gear and full size details for indicating tests Endorsed: for 1805 engine 4.23; 1793 and 1830 previously fitted	- .4.23	1923	D56	D15	PT	D 039	-
I6578	Diagram of Brotherhood's Governor for 6 Wheels	6" to 1' diagram of governor 8 1/2" dia.	- .8.20	1920	C53	J70	PT	D	-



Part	Coupled Tram Engines							059	
16589	Engine Bogie Springs	Full size elevation, section and plan of inverted 10 plate 3' 2½" centres Endorsed: previously Dg No 4079a, altered 16.10.08 My comment: Stores Ordering drawing	- .8.98	1898	S44	G4	PT	D 056	-
16594	Cast Iron Bracket for K&W Graphite Lubricator (Proposed)	Full size details of bracket Endorsed: traced from Knowles & Woldoston drg. 25.7.08	- .10.08	1908	-	-	PT	D 053	-
16595	Four Wheels Coupled Tank Engines Class P55-Intermediate Hornblock, Axlebox and Keep	6" to 1' elevations, sections and plan of hornblock and axlebox Endorsed: see tracing same number dated 19.8.33	- .10.08	1908	P55	F5	PT	D 041	-
16595	Intermediate Hornblock, Axlebox & Keep	6" to 1' elevations, section and plan of keep My comment: retraced?	- .8.33	1933	-	F4 F5 F6	PT	D 041	-
16602	Six Wheels Coupled Goods Engines Class G58 Fitted with Belpaire Boiler-Asbestos Clothing	1½" to 1' details of 12 mats	- .11.08	1908	G58	J17	PT	D 064	-
16608	Cast Steel Roof Bars Engines Class Y14 and T19, T26, N31, C32	3" to 1' elevations of 3 types of bar My comment: stores ordering tracing	19.11.08	1908	Y14 T19 T26 N31 C32	J15 D13 E4 J14 F3	PT	D 074	-
16622	Gauge Columns For Engines	Full size details of standard water gauge column	- .12.08	1908	-	-	PT	D 051	-
16622 Part	Gauge Column For Engines-Bottom Cock	Full size sketch of cock with outline dimensions	- .5.29	1929	-	-	PT	D 077	-
16626	Six Wheels Coupled Tram Engines Class C53, C64-Spring and Spring Gear Details	Full size details of 3' springs, axlebox shackle, spring hanger and horn stay	- .8.09	1909	C53	J70	PT	D 001	-
16627	Ash Box Gear For Bogie Engines T19 Class	1½" to 1' arrangement of built up cast iron ash box and operating gear and full size details	- .12.08	1908	T19 Rbt	D13	PT	D 052	-
16633	Blast-Pipe	3" to 1' plan and sectional elevation of blast-pipe and Macallan variable blast-pipe cap	- .12.08	1908	D56	D15	PT	D 004	-
16702	Buffer, Spindle and Guide Tenders S23 and T46 Classes	Full size elevations and plan	- .6.19	1919	S23 T46	-	PT	D 042	-
16711	Vacuum Ejector with Auxiliary Application Valve-Arrangement on Boiler Engines Class D56	6" to 1' arrangement of valve with full size details	- .6.09	1909	D56	D15	PT	D 082	-
16712	Tool Box for Engines and Tenders	6" to 1' elevations and plan of tool box made of 1/8" plate with full size details of fittings Endorsed: work to red for large tool box for tenders classes A53 and R43	- .3.17	1917	-	-	PT	D 070	-
16714	No 40 Combination Ejector with Auxiliary Application Valve Vacuum Automatic Brake Type C	Full size undimensioned elevations of left hand ejector Copy of Vacuum Brake Co Dg 10377 dated 27.2.08	- .6.09	1909	-	-	PT	D 045	-
16719	Arrangement and Details of Apparatus for Consuming Smokebox Ashes D56	¾" to 1' part sectional side elevation showing arrangement and full size details of components	- .6.09	1909	D56	D15	PT	D 041	-
16721	Six Wheels Bogie Express Engines Class 1500 Type B12-Oil Cup and Oil Pipe for Lubricating Saddle Pins	Full size elevations Endorsed: altered for class N7 engines 18.4.56	- .5.19	1919	S69	B12 N7	PT	D 012	-
16728	Arrangement and Details Of Trailing Sandboxes	3" to 1' arrangement and full size details of cast iron boxes on	11.8.33	1933	-	F4	PT	D	-

		bunker plating at back of cab				F5 F6		016	
16728 -I	Four Wheels Coupled Radial Tank Engines Class A69-Trailing Sandbox	6" to 1' arrangement with dimensions of trailing sandbox	7.6.12	1912	G69	F6	PT	D 016	-
16733	Four Wheels Coupled Bogie Express Engines D56 Class-Arrangement and Details for Wakefield's Patent Mechanical Lubricator	1½" to 1' arrangement in relation to part side elevation and plan of engine and 6" to 1' and full size details of components	- .8.10	1910	D56	D15	PT	D 040	-
16761	Arrangement of Regulator and Gear on 62I Engine	1½" to 1' elevation and end view of complete assembly	22.1.09	1909	Y14	J15	PT	D 082	-
16786	Stones Variable Blast-Pipe Showing Lugs For Blower Pipe	3" to 1' arrangement of blower pipe with lugs My comment: tracing water damaged	18.2.09	1909	D56	D15	PT	D 042	-
16790	Four Wheels Coupled Bogie Express Engines Class D56-Arrangement and Details of Cast Iron Ash Box Gear	1½" to 1' arrangement on outline of engine and full size details of components Endorsed: altered 15.4.10	- .2.09	1909	D56	D15	PT	D 081	-
16802	Alterations to Sand Trap	Full size section of trap and details of components Endorsed: one express engine and one coal engine fitted for trial; altered 18.11.09	- .3.09	1909	-	-	PT	D 034	-
16803	Sketch Of Y14 Firebox Showing Bronze Stays Holes In Wrapper Plate.	1½" to 1' position of holes, 2 handed side views, probably for inspection or record purpose	- .3.09	1909	Y14	J15	PT	D 075	-
16806	Steel Throat Plate	3" to 1' details of plate My comment: Stores Ordering drawing	- .3.09	1909	M15	F4	PT	D 056	-
16816 Att	Six Wheels Coupled Bogie Express Engines Class A73-Air Sanding Valve	Full size elevations and plan of valve	16.12.12	1912	A73	B12	PT	D 036	-
16816	Air Sanding Valve for Engines D56 Class	Full size sections of valve also applicable to class S69	- .3.09	1909	D56 S69	D15 B12	PT	D 050	-
16838	Air Sanding Arrangement	3" to 1' arrangement of gear showing regulator handle operated gear	- .5.09	1909	B66 S69	D15 B12	PT	D 050	-
16838	Steam Pipe	3" to 1' details of smokebox steam pipe 5 ½" I.D, probably of copper. Endorsed: for pipe complete with flanges see Dg No 18118	- .4.12	1912	Y14	J15	PT	D 074	-
16838 Att	Six Wheels Coupled Bogie Express Engines Class A73 D56-Air Sanding Arrangement	3" to 1' general arrangement of sanding gear Endorsed: altered D56 class 16.4.20 and 27.10.24	- .12.12	1912	A73 D56	-	PT	D 014	-
16854	Sketch Showing Position of Crack in Davies & Metcalfe Injector	Full size sketch showing crack	- .5.09	1909	-	-	PT	D 043	-
16861	Four Wheels Coupled Bogie Express Engines Class D56-Arrangement of Steam Heating Apparatus	1½" to 1' arrangement of apparatus shown in relation to part elevations and plan of engine and full size details Endorsed: for other details see Dg No 14826 & 17518; altered in green for engines fitted with the Vacuum brake; for arrangement of steam heating pipe to leading end of engine see Dg No 17518; other alterations dated 28.12.11	5.7.09	1909	D56	D15	PT	D 019	-
16861 Att	Four Wheels Coupled Bogie Express Engines Class D56-Alteration to Steam Heating Pipe to Suit GN Type Elbow and Safety Valve	1½" to 1' arrangement of pipework	- .7.25	1925	D56	D15	PT	D 018	-
16861 Att	Four Wheels Coupled Bogie Express Engine Class D56-Alteration to Steam Heating Pipes to Suit GN	1½" to 1' elevations of alteration to steam heating pipes within cab	- .7.25	1925	D56	D15	PT	D 019	-

	Type Elbow and Safety Valve								
16862	Shields for Steam Pipes	3" to 1' details of shield. My comment: to prevent erosion due to ashes etc?	- .7.09	1909	Y14 T19	J15 D13	PT	D 075	-
16916	Steam Cock for Sight Feed Lubricator and Pressure Gauge for All Classes except T19 Belpaire and Y65	Full size elevation and sectional elevation of cock, two per engine	- .5.19	1919	S69	B12	PT	D 066	-
16922 Ren	Four Wheels Coupled Bogie Express Engines Class D56-Brake Details	3" to 1" and full size details of components	7.7.37	1937	D56	D15	PT	D 007	-
16922 Att	Four Wheels Coupled Bogie Express Engines Class D56-Brake Details	6" to 1' details of 6 components	31.1.16	1916	D56	D15	PT	D 007	-
16922 Att	Four Wheels Coupled Bogie Express Engine Class D56 Rebuilt with 5' Boiler-Westinghouse Pump Brackets	6" to 1' details of brackets for large H88 boiler	- .2.23	1923	H88	D16	PT	D 007	-
16923 1 to 4	Water Column Gauge Seating.	Full Size details of seatings for 1. A58,T19 Belpaire,D56 2. Y65, 3. S46 with vacuum, F48 4. S46 without vacuum Endorsed: cancelled see new Dg No 17588 1-4 16.11.10	6.10.09	1909	G58 T19 D56 Y65 S46	J17 D13 D15 F7 D14	PT	D 007	-
16926	GER Crank No 4280 Order 1693 Feb 8,1903-Diagram of Defect in Wheels Seat	Unscaled diagram showing defect My comment: presumably report from inspector at manufacturers.	12.10.9	1909	-	-	PT	D 007	-
16927	Four Wheels Coupled Bogie Express Engines, D56 Class-Arrangement of Special Motion as Fitted to No 1830	3" to 1' section of cylinders, valve-chest and motion, elevation and plan of reversing gear sector plate. My comment: special experimental motion with un-equal angles of advance and eccentric throw for fore and back gear	- .10.09	1909	D56	D15	PT	D 081	-
16941 Ren	Engines Type F4-Foundation Ring	3" to 1' elevation, section and plan of ring and full size section of riveted corner	25.7.33	1933	-	F4	PT	D 006	-
16943	Firebars	Full Size details of two types of firebars; classes S46,D56, T19 Belpaire F48,A58 and S69	29.8.10	1910	S46 D56 T19 F48 G58 S69	D14 D15 D13 J16 J17 B12	PT	D 006	-
16953	Fire Clay Lumps	Full Size details of fire clay lump for brick arch for engines with apparatus for consuming their smokebox ashes My comment: this apparatus is shown on Dg No 16719 although a different brick arch arrangement is shown	- .11.09	1909	D56(?)	D15	PT	D 061	-
16959	Asbestos Clothing for Four Wheels Coupled Tram Engines Class F40	1 1/2" to 1' plans of clothing sheets for boiler for F40 batch of G15 class	- .11.09	1909	G15	Y6	PT	D 001	-
16960	Alteration to Sand Valve Spindles and Glands	Full Size elevations showing alteration. My comment: presumably addition of brass sleeve to spindle at gland	- .11.09	1909	T19 C32 M15	D13 F3 F4	PT	D 047	-
16965	Flange of Engine Valve for Steam Heating-Engines of P55 Class	Full size details of flange	9.12.19	1919	P55	F4	PT	D 007	-
16972	Four Wheels Coupled Bogie Express Engines D56	3" to 1' arrangement of blast pipe and gear and full size details	13.1.10	1910	D56	D15	PT	D	-

	Class (D67) First Five-Arrangement of Stones Patent Blast Pipe and Details of Gear	Endorsed: altered 30.1.12, 18.2.14 and 21.11.13			D67			007	
16976 Att.	Four Wheels Coupled Radial Tank Engines Class P55-Alteration to Steam Heating Pipes to Suit GN Type Elbow and Safety Valve	1½" to 1' elevations and plan showing alterations	1.12.24	1924	P55	F4 F5	PT	D 007	-
16981	Four Wheels Coupled Express Engines Class T19-Outside Axlebox and Hornblock	6" to 1' arrangement of axlebox and horn block Endorsed: altered for T19 with 1 1/8" main frames	26.1.10	1910	T19R	-	PT	D 081	-
16985	Four Wheels Coupled Bogie Express Engines Class D56-Casting for New Pattern Sand Trap	Full size elevations and plan of casting	- .2.10	1910	-	-	PT	D 036	-
16992	Back Cab Window Guard	1½" to 1' elevation of square pattern rear cab window and full size details of components	- .2.25	1925	-	N7 N7/1	PT	D 035	-
17004	Diagram Showing Method of Flanging Boiler Rings	1½" to 1' and full size diagrams showing 8 stages in flanging boiler rings	8.7.09	1909	-	-	PT	D 023	-
17005	Diagram Showing Comparative Movement of Stone's and GER Regulator Valve for Equal Movements of Regulator Handle	Diagram showing sections of both valves and graphs showing valve events	- .7.09	1901	-	-	PT	D 023	-
17016	Diagram Showing Positions of Mudplug Ferrules on Lagging at Back of Firebox	1½" to 1' scale diagrams of boiler backplates showing ferrules around plugs and showing lagging plates	- .9.09	1909	S46 F48 Y65 D56 T19 G58	D14 J16 F7 D15 D13 J17	PT	D 067	-
17057	Diagrams of GNR & GCR Maximum Engine Stock, and of GER Loading Gauge	1" to 1' diagrams of the two loading gauges	- .12.09	1909	-	-	PT	D 062	-
17090	Diagram of Stones Ash-Ejecting Variable Blast Pipe	3" to 1' undimensioned side elevation of blast pipe gear and quadrant lever	- .5.10	1910	-	-	PT	D 044	-
17164	Engine T18 Class on 2 Chain Curve	1½" to 1' plan of curve showing engine with coupling rods but no flange on tyres of driving wheels	- .10.10	1910	T18	J66	PT	D 044	-
17173	Six Wheels Coupled Goods Engines Class G58 (F48)-Arrangement of Dry Sanding Gear	1½" to 1' arrangement shown on part elevations and plan of engine Endorsed: steam cock and pipes for rail cleaning not required 9.8.18	- .10.10	1910	G58	J16	PT	D 012	-
17189	Four Wheels Coupled Radial Tank Engines Class G69-Connecting Rod	Full size elevations and plan of rod Endorsed: see Attachment for new straps	- .8.21	1921	G69	F6	PT	D 041	-
17189 Att	Connecting Rod Strap with Wire Trimmed Oil Box	Full size elevations, section and plan of strap Endorsed: for old rods use adaptors to Dg No 29313 with standard oil cup covers to Dg No 26001	- .8.25	1925	G69	F6	PT	D 041	-
17201 Part	Outline of Framing-Six Wheels Coupled Express Engines S69 Class	1½" to 1' side elevation of 6 plates	- .7.11	1911	S69	B12	PT	D 072	-
17201 Att	Six Wheels Coupled Bogie Express Engines Type B12 Class S69-Alteration to Frame to Suit Cylinders to Dg No 29864	1 ½" to 1' side elevation showing position of new bolt holes Endorsed: for alterations to cylinder cock gear see Dg No 17278	- .2.35	1935	-	B12	PT	D 053	-
17201 Part	Sketch of Trailing Footstep	1 ½" to 1' elevations of stiffening plate 3/8" thick behind step	- .6.15	1915	S69	B12	PT	D 072	-
17204 Part	Six Wheels Coupled Bogie Express Engines Class S69 Cast Steel Intermediate and Trailing Wheel Centres	3" to 1' elevations and sections of wheel centre Endorsed: superseded see Dg No 18587	- .7.11	1911	S69	B12	PT	D 003	-

17205	Six Wheels Coupled Bogie Express Engines Class S69-Crank Axle	3" to 1' elevations of crank axle Endorsed: see Dg No 19802 for B78 24.3.15	- .3.10	1910	S69	B12	PT	D 036	-
17205	Steel Crank Axle	3" to 1' details of axle My comment: Store Ordering tracing	- .4.11	1911	S69	B12	PT	D 036	-
17206	Front Cylinder Cover	Full size elevations, section and plan of cover Endorsed: cancelled see Dg No 17227 26.4.11	- .- .10	1910	S69	B12	PT	D 036	-
17207	Piston and Rod	Full size elevations and section of piston and rod Endorsed: cancelled see Dg No 17229 11.3.11	- .4.10	1910	S69	B12	PT	D 036	-
17209	Six Wheels Coupled Bogie Express Engines-Valve Spindle	Full size details of slide valve spindle Endorsed: cancelled 26.4.11	- .3.10	1910	S69	B12	PT	D 008	-
17210	Slide Bar	3" to 1' elevations, plan and section of slide bar and full size details Endorsed: cancelled 26.4.11	- 3.10	1910	S69	B12	PT	D 008	-
17211	Cast Steel Motion Plate	3" to 1' elevation, section and plan of motion plate. My comment: for engine with valves underneath cylinders at 1 in 10 ¾ to horizontal, valve spindles at 1 in 7 ¾ to cylinder centres Endorsed: cancelled see Dg No 17235 26.4.11	- 3.10	1910	S69	B12	PT	D 072	-
17212	Six Wheels Coupled Bogie Express Engines Class S69, E72-Connecting Rod	Full size elevations, plans and sections of rod, shows separate bolted on oil box on strap Endorsed: numerous alterations up to 29.7.25 My comment: right hand end of drawing missing	- .5.10	1910	S69 E72	B12 J18	PT	D 066	-
17212 Att 1	Big End Brasses.	Full size details of brasses	- .5.24	1924	E72 T77	J18 J19	PT	D 056	-
17213	Six Wheels Coupled Bogie Express Engines Classes S69, E72, D81-Crosshead	Full size elevations, plans and sections of crosshead Endorsed: several alterations up to 9.7.24	- .5.10	1910	S69 E72 T77 D81	B12 J18 J19 J20	PT	D 003	-
17213	Cast Steel Crossheads	Full size details of crossheads My comment: Stores Ordering drawing for castings	- .12.17	1917		B12-3	PT	D 072	-
17213 Renewal	Cross Head	Full size arrangement of crosshead	- .6.31	1931	-	B12 J18 J19/2 J20	PT	D 059	-
17214	Back Cylinder Cover & Metallic Packing for Piston Rod	Full size elevations, section and plan of cover and packing. Endorsed: cancelled see Dg No 17228 26.4.11 My comment: appears to be whitemetal packing for slide valve version	- .4.10	1910	S69	B12	PT	D 066	-
17216 Ren	Engines Type B12-Driving Axlebox and Hornblock	6" to 1' elevations, sections and plans Endorsed: altered 9.53	5.8.42	1942	-	B12	PT	D 088	-
17216	Driving Hornblock and Axlebox Six Wheel Coupled Express Engines Class S69.	6" to 1' elevations, section and plans of hornblock and axlebox My comment: duplicate master drawing with minor modifications added later	- .5.10	1910	S69	B12	PT	D 003	-
17216	Six Wheels Coupled Express Engines Class S69-Driving Hornblock and Axlebox	6" to 1' elevations and plans of hornblock and axlebox. My comment: very dirty, see duplicate master Dg No 17216	- .5.10	1910	S69	B12	PT	D 003	-
17216	Cast Steel Hornblocks (Driving)	6" to 1' details of hornblocks	- .3.11	1911	S69	B12	PT	D	-

Part		Endorsed: see Dg No 34243 for future hornblocks My comment: Stores Ordering drawing for castings						072	
17216 -I	Six Wheel Coupled Express Engines Class S69- Driving Axlebox	6" to 1' elevation and plan of axlebox My comment: revised version of Dg No 17216 showing axlebox only; includes revision of June 1925 and addition of boxes for lubrication of hornblocks	- .6.19	1919	S69	B12	PT	D 003	-
17216 Att.	Alteration to Whitemetal of Driving Axlebox	Full size elevations showing alterations	- .4.15	1915	S69	B12	PT	D 072	-
17216 Att.	Cover for Driving Axlebox	6" to 1' elevation, section and plan of cover	- .10.19	1919	S69	B12	PT	D 037	-
17216 Att 2	Lubrication of Driving Hornblocks	6" to 1' outline of axleboxes showing lubrication to faces of horns	- .4.25	1925	S69	B12	PT	D 072	-
17216 Part	Proposed Method of Fitting Oiler Pad-Engines Type B12/3 with Driving Axlebox to Dg No 17216	6" to 1' details of fitting oiler pad My comment: paper tracing, part missing.	-	-	S69	B12/3	TP	D 062	-
17217	Six Wheels Coupled Bogie Express Engines Class S69-Bogie Pin and Stretcher	3" to 1' elevations and plan of steel casting	23.5.11	1911	S69	B12	PT	D 045	-
17217 Part	Cast Steel Bogie Pins and Stretchers	3" to 1' details of pins and stretchers My comment: Stores ordering tracing	- .6.11	1911	S69	B12	PT	D 022	-
17219	Foundation Ring	3" to 1' elevation, section and plan of ring and full size section of riveted corner. Endorsed: traced from original drawing of May 1911; pitch of copper screws altered from 12 to 11 TPI 12.3.28	- .1.32	1932	S69 D81	B12 J20	PT	D 083	-
17220	Six Wheels Coupled Bogie Express Engines- Reservoir Footplate	3" to 1' elevations, plans and sections	- .7.10	1910	S69	B12	PT	D 023	-
17220 Att.	Reservoir Footplate S69 Class- Proposed Gauze Strainer under Non-return Valve	Full size plan and elevation of strainer showing it in position	- .3.23	1923	S69	B12	PT	D 071	-
17221 Att.	Alteration to Superheater Damper Gear to Suit Engines Class A73	3" and 6" to 1' details of superheater dampers-hand operated	- .12.12	1912	A73	B12	PT	D 047	-
17222 Part	Six Wheels Coupled Bogie Express Engines Class S69-Flanged Boiler Plate	1 1/2" to 1' elevations of 6 types of flanged plate	- .4.11	1911	S69	B12	PT	D 049	-
17222 Att.	Alteration to Tube Spacing	3" to 1' elevation of tube plate showing 21 large and 187 small tubes	- .1.18	1918	S69	B12	PT	D 047	-
17222 Part	Firebox Tubeplate	1 1/2" to 1' elevation of tubeplate	- .12.12	1912	S69	B12	PT	D 047	-
17222 Part	Sketch Showing Drilling in Flange of Smokebox Tubeplate	1 1/2" to 1' details of drilling position	- .2.42	1942	-	B12 J20	TP	D 047	-
17223	Six Wheels Coupled Bogie Express Engines Class S69-Cylinders with Piston Valves	3" to 1' elevations, sections and plan of cylinder	- .12.19	1919	S69	B12	PT	D 047	-
17223 Att 2	Alteration of Cylinder Flanges to Frame	3" to 1' details of alteration	- .4.21	1921	S69 E72 D81	B12 J18 J20	PT	D 047	-
17224	Six Wheels Coupled Bogie Express Engines Class S69-Piston Valves and Spindle	Full size elevations with single wide ring	- .7.11	1911	S69	B12	PT	D 056	-
17224	Alteration to Piston Valves	Full size details of alteration to piston valve head with single broad	- .6.12	1912	S69	B12	PT	D	-

Att		ring. 10" dia.						054	
17225	Six Wheels Coupled Bogie Express Engines S69 Class, E72-Valve Bushing for Piston Valve	Full size elevations of bushing and development of steam ports Endorsed: altered 5.11.13 and 30.3.16; for two part valve bushing for piston valves with narrow rings see Dg No 23240	3.3.11	1911	S69 E72	B12 J18	PT	D 055	-
17226	Six Wheels Coupled Bogie Express Engines S69, E72-Valve Chest Covers	Full size elevation and section Endorsed: altered 4.12.11, 7.11.31 and 31.8.32	- .3.11	1911	S69 E72	B12 J18	PT	D 055	-
17227	Six Wheels Coupled Bogie Express Engines Class S69, E72-Front Cylinder Cover and Tightening Bolt	6" to 1' section and elevation of cover and full size details of bolt Endorsed: altered 14.2.14 and 18.8.14	- .5.11	1911	S69 E72	B12 J18	PT	D 018	-
17228	Six Wheels Coupled Bogie Express Engines S69 Class-Back Cylinder Cover with United States Metallic Packing	Full size elevations, sections and plan of cover and fittings	14.5.20	1920	S69	B12	PT	D 019	-
17228	Back Cylinder Cover	Full size elevations and section of cylinder cover Endorsed: see Dg No 27690.	- .11.19	1919	S69	B12	PT	D 017	-
17229	Six Wheels Coupled Bogie Express Engines Class S69(B12) and Coal Engines Classes E72(J19) and D81(J20)-Piston and Rod	Full size elevations, section and plan of piston and rod Endorsed: numerous alterations and amendments	3.10.24	1924	E72 D81 S69	J19 J20 B12	PT	D 018	-
17229 -1	Steel Piston Rods	3" to 1' details of rods My comment: Stores Ordering drawing for forgings	- .6.19	1919	S69	B12	PT	D 038	-
17229 -2	Steel Piston Heads	3" to 1' details of heads Endorsed: superseded by Dg No 27941-5 My comment: Stores Ordering drawing for forgings	- .6.19	1919	S69	B12	PT	D 037	-
17230	Six Wheels Coupled Bogie Express Engines S69 Class and L77 & E72-Relief Valve for Cylinders	Full size sectional elevation and plan of gun metal components	11.4.19	1919	S69 L77 E72	B12 N7 J17	PT	D 090	-
17230 Part	Spring for Cylinder Relief Valve	Full Size details of 8 coil spring 3 1/2"x15/16" O.D. 1/4"	- .11.25	1925	-	-	PT	D 035	-
17233	Six Wheels Coupled Bogie Express Engines S69 Class-Cast Steel Header for Schmidt Superheater	6" to 1' elevation, plan and section and plan of header	7.3.11	1911	S69	B12	PT	D 017	-
17233 Part	Cast Steel Headers for Schmidt Superheater	6" to 1' details of headers My comment: Stores ordering tracing	- .9.11	1911	S69	B12	PT	D 017	-
17234 Part	Cast Steel Bogie Wheels	6" to 1' elevation and section of wheel My comment: Stores ordering tracing	- .2.17	1917	S69	B12	PT	D 017	-
17234	Bogie Wheel	6" to 1' elevation and plan of wheel and full size section of tyre Endorsed: see Dg No 17284 for profile of tyre; cancelled see new drawing same number 1.32	- .3.11	1911	S69	B12	PT	D 018	-
17234 Part	Six Wheels Coupled Bogie Express Engines Type B12 (Class S69)-Bogie Wheels	6" to 1' elevation and section of wheel 3'3" on tread Endorsed: see Dg No 25953 for tyre fastening; this is part copy of tracing dated 3.11	- .1.32	1932	S69	B12	PT	D 018	-
17235	Six Wheels Coupled Bogie Express Engines Type B12 (Class S69)-Cast Steel Motion Plate	3" to 1" elevations and plan	27.11.31	1931	S69	B12	PT	D 019	-
17235 Part	(Cast Steel Motion Plates)	3" to 1' elevation, section and plan of motion plates My note: title missing, class probably B12	17.5.29	1929	S69	B12	PT	D 017	-
17235 Part	Modification to Motion Plate B12 Class	3" to 1' elevations and plan of motion plate My comment: stores ordering tracing	19.3.38	1938	S69	B12	PT	D 018	-
17236	Six Wheels Coupled Bogie Express Engines Class	3" to 1' elevation and section of wheel	3.7.11	1911	S69	B12	PT	D	-

Part	S69-Cast Steel Driving Wheel Centre 6'0" Dia	My comment: Stores ordering drawing for castings						024	
17237	Six Wheels Coupled Bogie Express Engines Class S69-Trailing Hornblock and Axlebox	6" to 1' elevations, sections and plan of hornblock and axlebox	- .5.11	1911	S69	B12	PT	D 024	-
17237 Part	Cast Steel Hornblocks (Trailing)	6" to 1' details of right hand hornblock My comment: Stores Ordering drawing for castings	4.5.11	1911	S69	B12	PT	D 024	-
17238	Six Wheels Coupled Bogie Express Engines Class S69-Spring Brackets and Slides	Full size elevations and plan of slides	12.5.11	1911	S69	B12	PT	D 024	-
17238 -1	Cast Steel Shields	Full size details of shields My comment: Stores Ordering drawing for castings	20.4.16	1916	S69	B12	PT	D 024	-
17238 -2	Cast Steel Trailing Spring Brackets	Full size details of brackets My comment: Stores Ordering drawing for castings	12.5.11	1911	S69	B12	PT	D 024	-
17239 Ren	4-6-0 Engines Type B12 (Class S69)-Intermediate Hornblock	6" to 1' elevations, section and plan of hornblock Endorsed: altered 27.4.28 & 20.11.34	6.12.33	1933	-	B12	PT	D 024	-
17239 Part	Cast Steel Hornblocks (Intermediate)	6" to 1' details of hornblocks My comment: Stores Ordering drawing for castings	31.7.11	1911	S69	B12	PT	D 024	-
17240	Six Wheels Coupled Bogie Express Engines S69 Class-Eccentric Sheaves	Full size elevations of sheaves Endorsed: altered for B78 class 24.3.15 and for D81 30.1.20	- .5.11	1911	S69	B12	PT	D 024	-
17240 -1	Six Wheels Coupled Bogie Express Engines Type B12-Eccentric Sheaves	3" to 1' elevation, section and plan of sheaves and full size details Endorsed: copy of Dg No 17240, altered for new solid axles 24.3.15; altered for built up crank axles to Dg No24016 13.2.24	24.3.15	1915	S69	B12	PT	D 024	-
17241	Six Wheels Coupled Express Engines Type B12, J18-20-Eccentric Straps and Rods	Full size elevations, plan and section of components Endorsed: for future eccentric straps see Dg No 31841	- .5.11	1911	S69 E72	B12 J18	PT	D 056	-
17242	Six Wheels Coupled Bogie Express Engines Class S69-Coupling Rods and Crank Pins	6" to 1' details of components Endorsed: for new rods see Dg No 25727; other alterations to 25.10.48 My comment: tracing torn right hand end	- .5.11	1911	S69	B12	PT	D 056	-
17243 Ren	Six Wheels Coupled Express Engines Type B12 (Class S69), Six Wheels Goods Engines Type J18 (Class E72) J20 (Class D81)-Details of Motion	Full size elevations and plans of components Endorsed: renewal tracing made to replace missing tracing 10.31	19.10.31	1931	S69 E72 D81	B12 J18 J20	PT	D 056	-
17243	Details of motion	Full size details of expansion links, hangers, valve spindle ends etc. for old type B12 motion	- .5.11	1911	S69 E72	B12 J18	PT	D 056	-
17244	Six Wheels Coupled Bogie Express Engines Class S69-Bogie Details	6" to 1' details of numerous components Endorsed: work to Attachment for alteration to S69 Class and also future engines 31.12.12	- .11.11	1911	S69	B12	PT	D 055	-
17245 Ren	Six Wheels Coupled Bogie Express Engines Class S69, E72-Cast Steel Brackets for Motion Plate	6" to 1' and full size elevations and plan of plates Endorsed: see Attachment 11.5.14	12.31	1931	-	B12 D16/3 J18	PT	D 055	-
17245 Att	Six Wheels Coupled Bogie Express Engines-Wrought Iron Bracket for Motion Plate	6" to 1' elevations and plan of bracket	25.5.14	1914	S69	B12	PT	D 054	-
17245 Att.	Wrought Iron Brackets for Motion Plate	Full size details of brackets Endorsed: see office drawing for alterations in red for B78	- .3.15	1915	B78	B12	PT	D 054	-
17245 Part	Cast Steel Brackets for Motion Plate	6" to 1' and full size details of motion plate Endorsed: superseded by Dg No 17245-1 My comment: Stores Ordering drawing for castings	- .6.11	1911	S69	B12	PT	D 054	-
17245	Cast Steel Brackets for Motion Plate	Full size details of brackets	- .12.16	1916	S69	B12	PT	D	-



-I		My comment: Stores Ordering drawing for castings						055	
17246	Six Wheels Coupled Bogie Express Engines Classes S69, E72, D81-Slide Bar	3" to 1' and full size details of components Endorsed: altered 3.16 & 23.12.21 for classes E71 and D81	- .5.11	1911	S69 E72 D81	B12 J18 J20	PT	D 069	-
17247	Six Wheels Coupled Express Engines S69 Class, Goods Engines D81 Class-Boiler Stays	Full size details of various stays Endorsed: altered between 22.1.20 & 24.7 51	14.7.11	1911	S69 D81	B12 J20	PT	D 040	-
17247 Part	Firebox crown Stay for Belpaire Boilers	Full size details of stay	- .6.12	1912	-	-	PT	D 037	-
17248	Six Wheels Coupled Bogie Express Engines S69-Trailing Axle	6" to 1' elevation of axle 6'1½" long	- .6.11	1911	S69	B12	PT	D 066	-
17248 Part	Steel Axles	3" to 1' details of trailing axle My comment: Stores Ordering drawing for forgings	- .6.11	1911	S69	B12	PT	D 066	-
17248 -I	Steel Axles	3" to 1' details of trailing axle with side play My comment: Stores Ordering drawing for forgings	- .6.26	1926	-	B12	PT	D 066	-
17250 Ren	Six Wheels Coupled Bogie Express Engines-Brake Details	3" to 1' details of numerous components Endorsed: altered 12.8.12, 30.10.19, 26.8.31, 15.7.33 & 4.1.55; see Dg No 31326 for cotters	28.5.34	1934	-	B12	PT	D 024	-
17250 Part	Brake Blocks	6" to 1' details of blocks Endorsed: reference to side play in trailing boxes deleted 4.1.55	- .7.27	1927	-	B12	PT	D 037	-
17250 Part	Brake Blocks	6" to 1' details of blocks Endorsed: reference to side play in trailing boxes deleted 4.1.55	- .5.42	1942	-	B12	PT	D 037	-
17250 -I	Cast Steel Brake Brackets for Brake Hangers	Full size details of one bracket Endorsed: BR specification added	15.11.39	1939	-	B12	PT	D 024	-
17250 -2	Cast Steel Adjusting Nuts	Full size details of nuts for brakework My comment: Stores Ordering drawing for castings	- .7.11	1911	S69	B12	PT	D 071	-
17251	Six Wheels Coupled Bogie Express Engines Class S69-Reversing Shaft	6" to 1' elevations and plan of shaft Endorsed: undated alteration; see Dg No 22463 for engines fitted with gear for ejecting smokebox ashes	- .6.11	1911	S69	B12	PT	D 031	-
17252	Bogie Spring	3" to 1' arrangement of spring with 4'1" centres and 11 5"x5/8" plates Endorsed: superseded by Dg No 31093 for B12 with 5'6" boiler (B12/3); alteration to nibbing and slotting of plates 12.33	- .6.11	1911	S69 S46 D56	B12 D14 D15 D16	PT	D 030	-
17253	Six Wheels Coupled Bogie Express Engines Class S69, E72-Details of Motion	Full size elevations of components Endorsed: altered 20.10.11, 7.11.11 and 31.12.14	- .6.11	1911	S69 E72 T77 D81	B12 J18 J19 J20	PT	D 084	-
17253 Renewal	Details of Motion	Full size elevations and plans of rocking levers, shafts and links Endorsed: N7 class added 18.4.56; see Dg No 17243 other details of motion	- .7.53	1953	-	B12/3 J19 J20 N7	PT	D 004	-
17254	Bogie Axlebox	Full size elevations, sections and plans of axlebox Endorsed: superseded by Dg No 31342	15.7.11	1911	S69	B12	PT	D 005	-
17254 -I	Bogie Axlebox	Full size elevations, sections and plans of axlebox Endorsed: dimensions altered to allow for machining	- .6.19	1919	S69	B12	PT	D 031	-
17255	India Rubber Pad for Bogies	3" to 1' details of circular pad.2'0" diameter, 8" diameter hole, 2 ½"	21.4.29	1929	-	B12	PT	D	-

Renewal		thick when loaded to 16 tons. My comment: Stores Ordering drawing						035	
17257 Att	Alteration to Steam Pipe Connection	Full size details of alteration Endorsed: for other dimensions see Dg No 17257	- .11.13	1913	S69	B12	PT	D 056	-
17258	Six Wheels Coupled Bogie Express Engines Class S69-Spring Gear Details	Full size details of 6 components Endorsed: altered 6.3.24 and 7.25	16.8.11	1911	S69	B12	PT	D 056	-
17258	Six Wheels Coupled Bogie Express Engines Type B12 – Spring Gear Details	Full size details of gear components	29.3.35	1935	-	B12	PT	D 088	-
17258 -1	India Rubber Pads for Spring Gear	Full size details of pads, 72 per engine My comment: 72 for engine	- .3.28	1928	-	B12	PT	D 056	-
17261	Six Wheels Coupled Bogie Express Engines S69 Class – Chimney	Full size sectional view of fabricated steel chimney Endorsed: altered 1.8.11 My comment: see Dg No 16717 for cast iron inner chimney base	- .7.11	1911	S69	B12	PT	D 009	-
17262	Six Wheels Coupled Bogie Express Engines Safety Valve	Full size detailed plans and elevations but not casing Endorsed: altered 25.2.20	25.9.11	1911	S69 D81	B12 J20	PT	D 008	-
17263	Six Wheels Coupled Express Engines Class S69-Expansion Bracket	6" to 1' elevation and plan of bracket and full size details of fixtures	4.9.11	1911	S69	B12	PT	D 008	-
17264	Six Wheels Coupled Bogie Express Engines Class S69-Reversing Arrangement	1½" to 1' arrangement on outline elevations and plan of part of engine Endorsed: undated alterations	9.9.11	1911	S69	B12	PT	D 009	-
17266	Six Wheels Coupled Bogie Express Engines Class S69-Ashpan Details	6" to 1' and full size details of components Endorsed: altered 28.12.22 for future engines	- .8.11	1911	S69	B12	PT	D 036	-
17266 Part	Spring for Ashpan Rod Locking Gear	Full size details of small spring	- .11.25	1925	-	-	PT	D 064	-
17268	No 10 Automatic Restarting Injectors	Full size elevation, section and plan of injector Endorsed: see later tracing	- .9.11	1911	-	-	PT	D 015	-
17268	No 10 Automatic Restarting Injectors	Full size elevation, section and plan of injector	26.7.22	1922	-	-	PT	D 015	-
17269	Steel Smoke Tube for Superheater	Full size details of tubes, 21 per set My comment: Stores Ordering drawing	- .8.11	1911	S69	B12	PT	D 066	-
17269 -2	Alteration to Position of Grooves on Smoke Tubes	Full size details of alteration My comment: grooves in superheater smoke tubes at tubeplate	- .2.13	1913	-	-	PT	D 037	-
17269 -3	Steel Smoke Tubes for Superheater	Full size details of tubes My comment: Stores Ordering drawing	- .2.13	1913	S69	B12	PT	D 055	-
17270	Steel Steam Pipes for Superheater	3" to 1' details of pipes	- .8.11	1911	S69	B12	PT	D 055	-
17271	Steel Steam Superheating Elements for Schmidt Superheater	3" to 1' arrangement and details of elements	- .2.21	1921	S69	B12	PT	D 047	-
17272	Six Wheels Coupled Express Engines Class S69-Cab Front Windows	3" to 1' elevations of windows and full size details of components Endorsed: altered for D81 class	- .9.11	1911	S69 D81	B12 J20	PT	D 046	-
17273	Diagram Shewing Wheelbase & Estimated Loaded Weight of Six Wheels Coupled Express Engine & Tender	¼" to 1' diagram	- .9.11	1911	S69	B12	PT	D 047	-
17274	Asbestos Clothing	1½" to 1' plan of mats	- .9.11	1911	S69	B12	PT	D	-

		My comment: drawing in poor condition						049	
17275	Six Wheels Coupled Bogie Express Engines Class S69-Coupling Links and Pins between Engine and Tender	Full size elevations and plans of links Endorsed: altered for classes E72, T77 and X77; altered 16.4.53	- .9.11	1911	S69 E72 T77 D81	B12 J18 J19 J20	PT	D 050	-
17275 Ren	Details of Drawgear Between Engine & Tender	3" to 1' arrangement of drawgear and full size details of coupling links, safety links and pins	- .7.48	1948	-	B12 J19 J20	PT	D 064	-
17275 -I	4. 6. 0. Engine and Tender Type B12 – Coupling Links and Pins between Engine and Tender	Full size details of components Endorsed: see later tracing	21.3.28	1928	-	B12	PT	D 088	-
17276	Six Wheels Coupled Bogie Express Engines S69 Class-Frame and Boiler Stay	3" to 1' details of boiler stay and full size details of frame stay	- .10.11	1911	S69	B12	PT	D 021	-
17277	Six Wheels Coupled Bogie Express Engines S69 Class-Sanding, Heating and Mechanical Lubricating Details	1½", 3" and 6" to 1' details of 60 components Endorsed: altered 31.10.12, altered for A73 5.6.13; and for B78 5.6.25 My note: damaged	- .10.11	1911	S69	B12	PT	D 083	-
17277 Part	Six Wheels Coupled Bogie Express Engines Class 1500 Type B12-Handrail Pillars and Brackets	Full size details of two types of handrail pillars and brackets	15.3.19	1919	S69	B12	PT	D 021	-
17277 Part	Clip for Trailing Sand Pipe	6" to 1' details of clip	- .12.45	1945	-	B12	PT	D 068	-
17277 Part	Clip- Steam Heating Pipe (Front Beam – Bottom) (Item 37)	Full size details of clip	- .8.54	1954	-	-	PT	D 056	-
17278	Six Wheels Coupled Bogie Express Engines Class S69-Cylinder Cock Gear Details	Full size details of components Endorsed: altered for Beardmore engines 26.4.28; altered for engines fitted with cylinders to Dg No 29864	11.10.11	1911	S69	B12	PT	D 021	-
17279	Six Wheels Coupled Bogie Express Engines Class S69-Westinghouse Exhaust Pipe Socket and Elbow	Full size elevations and details of fittings	- .10.11	1911	S69	B12	PT	D 021	-
17280 Att	Arrangement for Fitting S69 Class Engines with Wakefield's Patent Mechanical Lubricator No 7 Pattern	1½" to 1' arrangement shown on part side elevation and plan of footplate	8.9.18	1918	S69	B12	PT	D 021	-
17280 Att	Six Wheels Coupled Express Engines Class S69-Alteration to Steam Heating Pipe for Engines with No 10 Exhaust Injector	1½" to 1' details of pipe in relation to part elevations and section of engine	24.3.15	1915	S69	B12	PT	D 021	-
17280 Part	Six Wheels Coupled Bogie Express Engines-Sketch Showing Lubricating Pipe for Piston Valves	1½" to 1' part end elevation showing lubricating pipe My comment: pipe shown in red	7.4.14	1914	S69	B12	PT	D 021	-
17280 Part	Six Wheels Coupled Express Engines Class 1500 Type B12-Arrangement of Clothing Studs showing Position on Firebox and First Ring of Boiler	1½" to 1' arrangement of clothing studs Endorsed: altered for boilers fitted with oval firehole 26.5.28 My comment: see Dg No 17249 for Westinghouse pump bracket studs 6"6½"; see Dg No 27750 for Westinghouse pump bracket studs 8"8½"	- .5.19	1919	S69	B12	PT	D 020	-
17280 Part	Sketch Showing Position for Lamp Holder on Crown of Firebox for Pressure Gauge	1½" to 1' part outline of cab My comment: lagging bracket in centre tapped ¾ " for lampholder to Dg No 6041	- .8.20	1920	S69	B12	PT	D 056	-
17280 Att	Six Wheels Coupled Express Engines 1500 Class-Alteration to Steam Heating Pipe for Engines with	1½" to 1' details of alterations Endorsed: altered 11.12.19	25.10.19	1919	S69	B12	PT	D 021	-

	No 10 Exhaust Injector	My comment: tracing made for Beardmore 29.8.19; for original arrangement see tracing with same number							
17280 Att	Six Wheels Coupled Bogie Express Engines Class 1500- Alteration to Position of Left Hand Bogie Oil Box to suit Davies & Metcalfe's No 10 Exhaust Injector	1½" to 1' side elevation and outline of bogie showing altered position My comment: see Dg No 17280 for right hand bogie; see Dg No 22373 for oil cap	- .2.21	1921	S69	B12	PT	D 021	-
17281	Six Wheels Coupled Express Engines Class S69- Footboard	1½" to 1' section and plan of footboard and 3" to 1' details of brackets and fittings Endorsed: altered 31.1.27 and 24.1.42	- .11.11	1911	S69	B12	PT	D 088	-
17286	Six Wheels Coupled Tank Engine T18 Class	1½" to 1' plan view of wheels and rails only, the middle pair of wheels flangeless My comment: on two chain curve at Canning Town Goods Yard, showing auxiliary rails to prevent derailment	31.1.12	1912	T18	J66	PT	D 025	-
17299	Diagram Showing Profiles of Tyres and Clearance from Guard Rail	Full size profiles for engine with thick tyre, engine with thin tyre and carriage and wagon tyre with tables of dimensions My note: guard rail more popularly known as the check rail	- .2.12	1912	-	-	PT	D 076	-
17324	Six Wheels Coupled Tank Engines Class C72-Cab Side Windows	3" to 1' elevations and full size details of components Endorsed: altered for class G75 My comment: shop drawing removed from stick	- .3.12	1912	C72	J68	PT-C	D 043	-
17389	Protector for Standard Round Cab Back Windows	Full size section and elevation of protector made from 7 vertical 3/8" bars	- .11.26	1926	-	-	PT	D 072	-
17392	Four Wheels Coupled Radial Tank Engines Class P55-Cab Side Windows	3" to 1' elevation and plan with full size details of windows Endorsed: altered for class G69	- .3.10	1910	P55 G69	F6	PT	D 044	-
17399	Asbestos Mats for Boiler and Smokebox-Six Coupled Tram Engines C53	1½" to 1' plans of 13 asbestos mats My note: a stores ordering drawing	9.3.10	1910	C53	J70	PT	D 058	-
17405 Att	Arrangement and Details of Alteration to Gear for Knowles & Wollastons Graphite Lubricator	1½" to 1' arrangement of gear off eccentric rod and 3" to 1' gear details; lubricator not shown	- .9.12	1912	P55 Y14	F4 J15	PT	D 078	-
17445	Cast Steel Engine Wheels-Six Wheels Coupled Coal Engines T67	3" to 1' elevation and section of 4'4" diameter driving, leading and trailing wheels without tyres and full size section through rim and tyre Endorsed: superseded by Dg No 29626 13.10.30	4.6.10	1910	F48	J16	PT	D 017	-
17450	Flange of Engine Valve for Steam Heating for Engs. Y65 Class	Full size plan and side elevation of flange only	7.6.10	1910	Y65	F7	PT	D 017	-
17457 Att	Details for Wakefields' Mechanical Lubricator R24 Class	1½" and 3" to 1' details of valve spindle clip, link and bracket on motion plate	- .8.10	1910	R24	J67	PT	D 075	-
17485	Firebox Stays	Full size details of bronze and copper stays My comment: Stores Ordering drawing	- .7.10	1910	-	-	PT	D 022	-
17493	Steel Section for Coupling Rod Keys	Full size details of section My comment: Stores Ordering drawing	- .7.10	1910	-	-	PT	D 023	-
17507	Screw Down Steam Valve for Sanding Gear Engs. F48 Class	Full size sections, elevation and plan probably for Lambert's wet sanding gear	- .8.10	1910	F48	J16	PT	D 048	-
17509	Arrangement & Details of Wakefield's Mechanical Lubricator for Lubricating Axleboxes	1½" to 1' arrangement of lubricator and 6" to 1' details My comment: three feed lubricator appears to feed left hand side	- .8.10	1910	T18	J66	PT	D 045	-

		boxes, return lines provided to filter, groove in top of axlebox to permit oil flow							
17510	Six Wheels Coupled Tank Engines T18 Class-Arrangement and Details for Wakefield's Patent Mechanical Lubricator for Cylinders	1½" to 1' elevation and plan with 6" to 1' details of components	15.8.10	1910	T18	J66	PT	D 043	-
17518	Four Wheels Coupled Express Engines Class D56-Arrangement of Steam Heating Pipe to Leading End	1½" to 1' arrangement of gear on outline of part of engine and full size details	- .8.10	1910	D56	D15	PT	D 042	-
17525	Four Wheels Coupled Bogie Express Engines D56 Class-Cast Steel Header for Schmidt's Superheater	6" to 1' sections of header	- .8.10	1910	D56	D15	PT	D 050	-
17526	Four Wheels Coupled Express Engines D56 Class-Alteration to Boiler for Schmidt Superheater	1½" to 1' arrangement of boiler and elevations of front and back tube plates for alteration Endorsed: altered 21.12.21	- .9.10	1910	D56	D15	PT	D 019	-
17527	Four Wheels Coupled Bogie Express Engines Class D56-Alteration to Boiler to Suit 'Swindon' (GWR) Superheater	3" to 1' elevations of tube plates and outline sectional side elevation of boiler Endorsed: altered 2.12.10, 30.12.10 & 18.10.11; for other dimensions see Dg No 13688	11.10.10	1910	D56	D15	PT	D 018	-
17528	Blast Pipe for Engines Fitted with Schmidt Superheater	6" to 1' elevation, section and plan of blast pipe My comment: chimney centreline moved forward 429/32"	- .10.10	1910	D56	D15	PT	D 050	-
17529 Part	Steel Steam Pipes for Schmidt Superheater	3" to 1' details of steam pipes inside smokebox	- .1.11	1911	D56	D15	PT	D 050	-
17531 Ren	Slide Bar for Engs. Class D15/2, D16, D16/3 with Slide Valve and J17	Full size arrangement of slide bar	- .4.47	1947	-	D15/2 D16 D16/2 J17	PT	D 017	-
17532 Part	Four Wheels Coupled Bogie Express Engines Class D56-Steel Steam Pipes for 'Swindon' Superheater	3" to 1' details of 3 pes	6.12.10	1910	D56	D15	PT	D 017	-
17533 Att	Four Wheels Coupled Bogie Express Engines D56 Class, T19 Fitted with Superheater-Method of Lubricating Piston Rod and Valve Spindle	Full size arrangement of lubricator and fittings	27.7.11	1911	D56 T19	D15 D13	PT	D 068	-
17533	Four Wheels Coupled Bogie Express Engines D56 Class Fitted with Superheater-Details of Cylinder Covers and United States Metallic Packing and Front Inner Cylinder Cover Details	6" to 1' elevations, section and plan of cylinder covers and packing My comment: endorsements for class K85	11.11.10	1910	D56 K85	D15 N7	PT	D 017	-
17533 Part	Back Cylinder Cover	6" to 1' elevation and section of cover My comment: for gland see Dg No 24187	- .12.24	1924	-	N7	PT	D 064	-
17534	Four Wheels Coupled Bogie Express Engines Class D56 Fitted with Superheater-Details of Metallic Packing and Casing for Valve Spindle	Full size details of 10 components Endorsed: G58 class with superheater details for tail rod end of spindle only 24.9.15	2.11.10	1910	D56 G58	D15 J17	PT	D 017	-
17536	Four Wheels Coupled Bogie Express Engines D56 (1850) Class Fitted with Superheater-Arrangement of Metallic Packing and Tail Rod Casings for Piston Rod and Valve Spindle-Method of Lubrication for Slide Valves and Cylinders and Pistons	6" to 1' elevations and sections Endorsed: amended 6.13, 2.14 and 9.15	- .10.10	1910	D56 G58	D15 J17	PT	D 022	-
17536	Four Wheels Coupled Bogie Express Engines S56	6" to 1' arrangement of valves	30.11.10	1910	D56	D15	PT	D	-

Att	Class Fitted with Superheater-Arrangement of Check Valves, etc. for Cylinder Lubrication	Endorsed: amended for engines with valves to Dg No 19065						022	
17536 Att	Four Wheels Coupled Express Engines Class D56-Arrangement of Lubricator Pipes to Cylinders, Port Faces and Steam Chest Covers	Full size elevation of metalling	- .1.18	1918	D56	D15	PT	D 022	-
17537	Four Wheels Coupled Express Engines Class D56 Fitted with Superheater-Cylinder Cocks	Full size arrangement of cocks Endorsed: amended 6.19 for class J17	- .4.20	1920	D56 G58	D15 D16 J17	PT	D 067	-
17538 Ren	Three Way Steam Pipe Connection	6" to 1' elevation, section and plan of bronze piece	- .11.46	1946	-	D15 D16	PT	D 067	-
17539	Four Wheels Coupled Bogie Express Engines D56 Class, S69, E72 Coal Engs.-Arrangement and Details of Damper for Schmidt Superheater	3" to 1' arrangement and 6" to 1' details of superheater Endorsed: amended for S69 and E72 classes	- .1.11	1911	D56 S69 E72	D15 B12 J18	PT	D 081	-
17539 -2	Six Wheels Coupled Coal Engines Class E72-Arrangement of Damper Gear	3" to 1' arrangement of damper	- .12.12	1912	E72	J18	PT	D 032	-
17540	Four Wheels Coupled Bogie Engines D56 Class, T19, S69, E72 (Coal Engines)-Details of Automatic Gear for Schmidt Superheater Damper	Full size details of components Endorsed: amended for S69 and E72 classes	- .1.11	1911	D56 T19 S69 E72	D15 D13 B12 J18	PT	D 032	-
17542	Four Wheels Coupled Bogie Express Engines D56 Class Arrangement of Tubes and Header for Schmidt's Superheater	3" to 1' elevation of tubeplate, and side elevation, showing header and elements	28.2.11	1911	D56	D15	PT	D 004	-
17549	Driving & Trailing Sandboxes for Dry Sanding Gear	3" and 6" 1' details of sandboxes Endorsed: altered with hopper bottoms .2.40. My comment: for H80 trailing sandboxes see Dg No 21636; for cast iron sand valves, see Dg No 8934	- .9.10	1910	F48 H80	J17 J19	PT	D 063	-
17549 Ren	Driving & Trailing Sandboxes for Dry Sanding Gear	3" and 6" to 1' details of sandboxes My comment: driving and trailing sandboxes for J17; driving sandboxes for J19/2; see Dg No 21636 for trailing sandboxes of J19/2	- .1.54	1954	-	J17 J19/2	PT	D 063	-
17557 Part	Deflecting Plate	Full size details of plate with 3" to 1' arrangement	- .7.25	1925	-	-	PT	D 077	-
17558	Steel Scoop Plates for G.E. Type Round Firehole	3" to 1' details o plate My comment: flat plate profile before pressing	4.4.49	1949	-	-	PT	D 043	-
17560	Express Engines Class T19 with Belpaire Firebox-Arrangement of Steam Heating Pipes to Leading End	1½" to 1' arrangement on outline of frame and full size details	- .9.10	1910	T19	D13	PT	D 015	-
17563	Arrangement of Spark Arrestor and Stone's Patent Blast Pipe on Four Wheels Coupled Express Engines D56	3" to 1' sectional elevations of smokebox Endorsed: amended 12.12 and 5.15	28.9.10	1910	S46 D56	D14 D15	PT	D 082	-
17565 Part	Destination Board Brackets on Smokebox Door	6" to 1' elevations and plan of bracket My comment: slot narrowed by 1½" to ½" 6.37	- .2.25	1925	-	N7	PT	D 045	-
17568	Six Wheels Coupled Goods Engines Class G58 (F48), D81-Details of Dry Sanding Gear	3" and 6" to 1' and full size details of components Endorsed: altered for H80 and A81 classes 8.20 and D81	- .10.10	1910	G58 D81	J17 J20	PT	D 040	-
17568	Detail of Dry Sanding Gear D81	3" and 6" to 1' details of rods and brackest	- .2.20	1920	D81	J20	PT	D	-

Att								045	
17568 Att	Alteration to Driving and Trailing Sand Gear Details	6" to 1' details of alteration for engines fitted with drop grate Endorsed: for arrangement of drop grate see Dg No 35800; for modified arrangement of sand gear see Dg No 21969 Att	- .11.45	1945	-	J20/I	PT	D 058	-
17570	Diagram B	1/8" to 1' and 1 Ton weight distribution diagram of T19 on 40' span My comment: Civil Engineer's drawing dated 11.3.04	7.10.10	1910	T19	D13	PT	D 027	-
17571	Six Wheels Coupled Goods Engines Class Y14- Arrangement and Details of Variable Blast Pipe	1 1/2" to 1' arrangement and 3" and 6" to 1' details of components	- .10.10	1910	Y14	J15	PT	D 077	-
17573	Cylinders	3" to 1' elevations, sections and plan of cylindres My comment: drawing is titled G.E.R., but dated 1926 and indexed 20.9.26; it appears to be the original drawing, but date added later	- .7.26	1926	F48	J16 J17	PT	D 061	-
17575	Cast Steel Driving and Intermediate Wheels	3" to 1' elevation and section of wheel My comment: Stores Ordering drawing for castings	- .10.10	1910	G69	F6	PT	D 053	-
17576	Four Wheels Coupled Tank Engines Class G69- Crank Axle	3" to 1' elevations of crank axle 5'8 3/4" long My comment: Stores ordering tracing	- .10.10	1910	G69	F6	PT	D 017	-
17581	Arrangement of Holes in Copper Tube Plates for 4ft 9ins Boilers	3" to 1' end elevation of Belpaire plate 282 tubes, S46 274 tubes and Belpaire 287 tubes	- .10.10	1910	S46 D56 T19	D14 D15 D13	PT	D 033	-
17582	Tee-Piece for Steam Sanding Valve and Steam Heating Engine Valve	Full size sectioned elevations of tee piece	- .11.10	1910	S46	D14	PT	D 033	-
17584	Four Wheels coupled Express Engines Class S46- Arrangement of Steam Heating Apparatus for Engines with Vacuum Brake	1 1/2" to 1' arrangement of apparatus on outline of engine cab and full size details of components My note: not suitable for copying	- .11.10	1910	S46	D14	PT	D 033	-
17588 -1	Water Gauge Column Seating	Full size elevation and sections of seating, plus diagram of hole positions Endorsed: cancelled see Dg No 19020	- .- .10	1910	S69 B74 G58 T19R D56	B12 Y4 J17 D13 D15	PT	D 033	-
17588 -2	Water Gauge Column Seating	Full size elevation and sections of seating, plus diagram of hole positions Endorsed: cancelled see Dg No 19021			Y65	F7			
17588 -3	Water Gauge Column Seating	Full size elevation and sections of seating, plus diagram of hole positions Endorsed: cancelled see Dg No 19040			S46(Vac) F48	D14 J16			
17588 -4	Water Gauge Column Seating	Full size elevation and sections of seating, plus diagram of hole positions Endorsed: cancelled see Dg No 19025			S46	D14			
17588 -5	Water Gauge Column Seating	Full size elevation and sections of seating, plus diagram of hole positions Endorsed: cancelled see Dg No 19043			G69	F6			

17588 -6	Water Gauge Column Seating	Full size elevation and sections of seating, plus diagram of hole positions Endorsed: cancelled see Dg No 18912			S56	J67 J69			
17589	Four Wheels Coupled Mixed Traffic Engines Class T26-Arrangement of Steam Heating Pipe to Leading End	1½" to 1' arrangement on outline of frame, full size details of clips and components	- .5.12	1912	T26 C32	E4 F3	PT	D 040	-
17602	Boilers for No 1 Class Engines	3" to 1' elevation, section and plan of foundation ring and full size section of corner riveting	21.1.20	1920	G69	F6	PT	D 021	-
17603	Tank Engines Type F6-Details of Boiler Stays and Expansion Bracket	Full size elevations and sections of components Endorsed: see Dg No 31335 for altered boilers	19.7.33	1933	G69	F6	PT	D 026	-
17603 -1	Expansion Bracket	6" to 1' details of bracket	- ..2.20	1920	G69	F6	PT	D 056	-
17611	Four Wheels Coupled Tank Engines G69 Class-Eccentric Sheaves	Full size elevations and section of sheaves	- .12.10	1910	G69	F6	PT	D 032	-
17627	Six Wheels Coupled Tank Engines T18 Driving Wheels & Axle	1½" to 1' outline elevation, section and plan My comment: purpose not clear, hooped' type crank axle	- .12.10	1910	T18	J66	PT	D 071	-
17628	Six Wheels Coupled Express Engines Driving Wheels & Axle	1½" to 1' outline elevation, section and plan of crank axle	- .12.10	1910	S69	B12	PT	D 063	-
17638	Built Up Crank Axle	1½" to 1' outline elevation, section and plan of crank axle	- .1.11	1911	G58	J17	PT	D 039	-
17644	Arrangement and Details of Ross/Schofield Circulator on No 31 Stationary Boiler	1½" to 1' arrangement of boiler and 3" to 1' details of components	- .1.11	1911	-	-	PT	D 041	-
17645	Asbestos Clothing for Four Coupled Tank Engines	1½" to 1' plans of 13 mats Endorsed: see Dg No 17894 for 791 class rebuilt (180 psi boiler pressure)	26.1.11	1911	G69	F6	PT	D 015	-
17666 Att 1	Alterations to Pipes to Suit Check Valves D56 Class	1½" to 1' arrangement of oil piping at cylinder end	- .3.11	1911	D56	D15	PT	D 004	-
17666	Four Wheels Coupled Bogie Express Engines Class D56-Arrangement and Details of Wakefield's Mechanical Lubricator	1½" to 1' arrangement and 6" to 1' details for Wakefield's mechanical lubricator. My comment: various subsequent alterations made	2.2.11	1911	D56	D15	PT	D 019	-
17666 Att	Four Wheels Coupled Bogie Express Engines Class D56-Superheater-Arrangement of Steam Jet Attachment (Anti-Carboniser) for Wakefield's Mechanical Lubricator (7 Feed)	1½" to 1' layout of pipework at front end of engine Endorsed: altered 30.6.39; see Dg No 17536 Att for other dimensions	-	-	D56	D15	PT	D 019	-
17680	Steel Tyres	Full size elevation and section of tyre 6½" wide with no flange My comment: Stores Ordering drawing	11.2.11	1911	T18	J66	PT	D 038	-
17706	Four Wheels Coupled Bogie Express Engines Class D56-Trailing Sand Box	6" to 1' sectional elevations and plan of sand box	- .2.11	1911	D56	D15	PT	D 061	-
17712	Four Wheels Coupled Tank Engines Class G69-Arrangement of Water Gauge	1½" to 1' outline elevations and plan showing position of gauge on section of cab Endorsed: altered for L77 class	7.3.11	1911	G69 L77	F6 N7	PT	D 069	-
17730	Steel Axle	3" to 1' elevations of axle for engines built by Beardmore Endorsed: replaced by Dg No 22800 6.4.20 My comment: Stores Ordering drawing	- .12.15	1915	S69	B12	PT	D 018	-



17731	Steel Steampipes for Engines D56 Class Fitted with Schmidt Superheater	3" to 1' details of right hand and left hand pipes My comment: red lines show pipes supplied by Messrs. Howell & Co.	- .3.11	1911	D56	D15	PT	D 034	-
17736	Valve Spindle and Steam Chest Cover for CVRLy Engine No 1	6" to 1' elevations and plans of two components	- .3.11	1911	-	-	PT	D 067	-
17737	Four Wheels Coupled Express Engines Class D56-Arrangement of Lambert Water Sanding Gear for Leading Sand Box	Full size elevations of equipment within sand box Endorsed: copy of drawing by Van Allen & Co	- .3.11	1911	D56	D15	PT	D 022	-
17737	Four Wheels Coupled Express Engines Class D56-Arrangement of Lambert Water Sanding Gear for Leading Sand Box	Full size elevations of equipment within sand box Endorsed: copy of drawing by Van Allen & Co	- .3.11	1911	D56	D15	PT	D 067	-
17738	Four Wheels Coupled Express Engines Class D56-Arrangement of Lambert Water Sanding Gear for Trailing Sand Box	Full size elevation and plan showing equipment within sand box Endorsed: undated alteration; copy of drawing by Van Allen & Co	- .3.11	1911	D56	D15	PT	D 032	-
17750	Six Wheels Coupled Goods Engines Class F48 & G58-Arrangement of Lambert Water Sanding Gear for Leading Sand Box	Full size elevations and plan of sand box showing arrangement of equipment Copy of drawing by Van Allen & Co	- .4.11.	1911	F48 G58	J16 J17	PT	D 047	-
17751	Six Wheels Coupled Goods Engines Class F48-Arrangement of Water Sanding Gear (Lambert) for Driving Sand Box	Full size elevations of equipment within sand box Endorsed: copy of drawing by Van Allen & Co	- .4.11	1911	F48 G58	J16 J17	PT	D 049	-
17751 Att	Six Wheels Coupled Goods Engines Class F48-Plan of Bottom of Driving Sand Box and Details of Stiffening Plate and Pipe Flange	Full size details Endorsed: copy of drawing by Van Allen & Co	- .4.11	1911	F48	J16	PT	D 049	-
17752 Att	Six Wheels Coupled Goods Engines Class F48-Plan of Bottom of Trailing Sand Box and Details of Stiffening Plate and Pipe Flange	Full size plan and details of pipe flange	- .4.11	1911	F48 G58	J16 J17	PT	D 049	-
17752	Six Wheels Coupled Goods Engines Class F48 & G58-Arrangement of Lambert Water Sanding Gear for Trailing Sand Box	Full size elevations showing gear within sand box	- .4.11	1911	F48 G58	J16 J17	PT	D 049	-
17753	Arrangement of Smokebox Tube Plate & Header	3" to 1' arrangement showing comparison of Schmidt Superheating Co. arrangement and that of GER arrangement to Dg No 17222 Endorsed: cancelled, see Dg No 17761	- .4.11	1911	S69	B12	PT	D 050	-
17761	Arrgt. of Smokebox Tubeplate & Header	3" to 1' half-elevation on tubeplate	- .4.11	1911	S69	B12	PT	D 039	-
17772	Apparatus for Cleaning Superheater Flues	Full size sectional elevations of steam lance attached to steam heat coupling and flexible metallic tubing	- .5.11	1911	-	-	PT	D 054	-
17782	Six Wheels Coupled Goods Engines Class G58-Arrangement of Lambert Water Sanding Gear	1½" to 1' arrangement of gear on engine and 3" to 1' details of fittings	- .5.11	1911	G58	J17	PT	D 046	-
17783	Four Wheels Coupled Tram Engines Class G15-Arrangement and Details of Gear for Releasing Westinghouse Brake	1½" to 1' arrangement of gear in relation to frame of tram and full size details of 7 components	6.5.11	1911	G15	Y6	PT	D 034	-
17787	Flexible Metallic Tubing-½"-40' 0" Length	Full size detail of tubing used on cleaning apparatus superheater tubes	- .5.11	1911	-	-	PT	D 052	-
17794	Four Wheels Coupled Bogie Express Engs. Class S46-Air Sanding Arrangement	3" to 1' arrangement shown as mounted on engine Endorsed: Engs 1880-1900 not to be fitted with air sanding	- .5.11	1911	S46	D14	PT	D 072	-

17803	Four Wheels Bogie Tank Engines S44 Class- Arrangement of 'Lewis' Water Level Indicator	1½" to 1' arrangement of apparatus on part elevations and plan of engine and 6" to 1' details of fittings	- .5.11	1911	S44	G4	PT	D 046	-
17814	Engine No 61 Indicator Diagrams Liverpool St.- Loughton- 6 six wheel bogies 21.5.1911	Ten sets of diagrams, fore and back gear. I.H.P. and M.E.P. given My comment: I.H.P. given, for example: Coborn Road → 359 Back gear 393 H.P. @ 23 mph	- .5.11	1911	G69	F6	PT	D 080	-
17826	Steam Whistle Caledonian Type	6" to 1' elevations and section of whistle with GER mounting on boiler	13.7.11	1911	-	-	PT	D 049	-
17842	Union Joints for Pipes	Full size tables of dimensions for two types of union joints for copper pipes 2" and 3/16"	- .7.11	1911	-	-	PT	D 079	-
17842	Union Joints for Pipes	Full size details of union Endorsed: see Dg No 20798 10.5.16	- .7.11	1911	-	-	PT	D 047	-
17894	Asbestos Clothing	1½" to 1' plans of mats for boilers My comment: Stores Ordering drawing	- .10.11	1911	M15R	F5	PT	D 033	-
17897	Standard Tyre Sections	Full size sections of tyres for engine and tender, carriage and wagon with Mansell rings and wagon with Gibson ring showing finished and rolled section	- .7.12	1912	-	-	PT	D 033	-
17928	Blast Pipe Top for Engines Fitted with Swindon Superheater	Full size elevations and plan of casting	- .11.11	1911	-	-	PT	D 033	-
17965	Boiler Plate Quality Steel Throat plates	3" to 1' details of boiler plate showing dimensions and direction of rolling My comment: Stores Ordering drawing	18.12.11	1911	S46	D14	PT	D 019	-
17977	United States Metallic Packing for Valve Spindles	Full size details of packing My comment: traced from U.S.M.P. Co Ltd drawing	- .1.12	1912	D56	D15	PT	D 055	-
17983	Arrangement of 'United States' Metallic Packing for Piston Rod	Full size cross-section of stuffing box	- .1.12	1912	D56	D15	PT	D 036	-
18016	Six Wheels Coupled Coal Engines Fitted with Superheater Class E72, T77, H80, X80, A81-Crank Axle	3" to 1' elevations of crank axle Endorsed: superseded by Dg No 27172	- .3.12	1912	E72 T77	J18 J19	PT	D 003	-
18016 -1	Steel Crank Axles	3" to 1' elevations of crank axle My comment: journal diameter increased from 7¾" to 7⅞" for new axles; superseded by Dg No 27172 Part	10.11.19	1919	E72	J18	PT	D 003	-
18016 -2	Weldless Steel Crank Hoops	3" to 1' elevations of crank hoops, types A and B, 4" and 4½" wide respectively Endorsed: finished dimensions are given added 15.2.22	22.3.12	1912	E72	J18	PT	D 003	-
18017 Part	Six Wheels Coupled Coal Engines (with Superheater) Proposed Built-up Crank Axle	3" to 1' elevations of crank axle	- .3.12	1912	E72 T77	J18 J19	PT	D 003	-
18018	Six Wheels Coupled Coal Engines Class E72, H80, X80-Cast Steel Wheels	3" to 1' elevation and section of 4'4" diameter wheels	- .4.12	1912	E72 T77	J18 J19	PT	D 003	-
18021 Att	Six Wheels Coupled Superheater Coal Engines- Alteration to Leading End of Frame for Class T77	1½" to 1' arrangement of front end of engine Endorsed: modified for H80 and A81 classes 27.8.17	- .2.15	1915	T77	J19	PT	D 058	-
18021 Att	Alteration to Frame to suit Cylinders to Dg No 29864	1½" to 1' details of alteration showing new holes in frame	- .2.35	1935	-	J18 J19	PT	D 062	-
18022	Six Wheels Coupled Goods Engines E72 Class-	6" to 1' details of components	- .6.12	1912	E72	J18	PT	D	-

	Reversing Shaft	Endorsed: amended for D81 class I.3.20			D81	J20		062	
I8023	Six Wheels Coupled Goods Engines E72 Class-Reversing Gear	1½" to 1' arrangement of gear	- .7.12	1912	E72	J18	PT	D 065	-
I8024	Six Wheels Coupled Goods Engines Class E72-Piston Valves and Spindle	Full size elevations Endorsed: amended for class M77 I8.6.14; work to red for engines fitted with valve spindle supports to Dg No 19362	3.7.12	1912	E72	J18	PT	D 062	-
I8025 Att	Six Wheels Coupled Coal Engines Class E72-Alteration to Superheater Damper Gear for Engines with Stone's Blast Pipe	3" to 1' arrangement with details	- .2.15	1915	E72	J18	PT	D 062	-
I8026	Six Wheels Coupled Coal Engines Class E72-Blast Pipe and Steam Pipe Connection	6" to 1' arrangement of blast pipe and full size details of connections	- .8.12	1912	E72	J18	PT	D 058	-
I8026 Part	Six Wheels Coupled Coal Engines Classes E72 A81-Ring for Blast Pipe	6" to 1' details of blast pipe and ring	- .5.21	1921	E72 A81	J18 J19/1	PT	D 015	-
I8027	Six Wheels Coupled Coal Engines Class E72-Steel Steam Pipes for Schmidt Superheater	3" to 1' elevations of one set of pipes, one right hand and one left hand	15.7.12	1912	E72	J18	PT	D 015	-
I8029	Six Wheels Coupled Coal Engines Class E72-Details of Cylinder Cock Gear	Full size details of components Endorsed: amended for H80 20.9.17 and D81 I1.2.20	18.7.12	1912	E72	J18	P	D 058	-
I8030	Six Wheels Coupled Coal Engines E72 Class-Rod, Pipe, Clothing, Mechanical Lubricating and Sanding Details	1½", 3" and 6" to 1' details of components Endorsed: numerous alterations	- .9.12	1912	E72	J18	PT	D 063	-
I8030 Att	D81 Class engine with 'Lentz' Valve Gear – Bracket and Rod for Mechanical Lubricator	3" to 1' elevation, section and plan of bracket	- .5.25	1925	D81	J20	PT	D 011	-
I8033	Six Wheels Coupled Goods Engines E72 Class-Trailing Sand Boxes Fitted with Lambert Water Sanding Gear	3" to 1' arrangement of sand boxes	- .8.12	1912	E72	J18	PT	D 051	-
I8034	Six Wheels Coupled Goods Engines E72 Class-Leading Sand Box (Lambert's Water Sanding) and Splasher	3" to 1' elevations and plan of sand box Endorsed: for alteration to suit new pattern sand trap see Dg No 20900 I2.6.16	14.8.12	1912	E72	J18	PT	D 051	-
I8035	Driving Sandboxes Fitted with 'Lambert' Water Sanding gear	3" to 1' detail of sandboxes.	- .8.12	1912	E72	J17	PT	D 051	-
I8040	Proposed Shields Fitted to Water Scoop to Prevent Over-wash	3" to 1' detailed view of scoop and shields	- .3.12	1912	-	-	PT	D 026	-
I8052	Arrangement of Reversing Lever and Sector on Tank Engines R24 Class	1½" to 1' elevations and plan	- .4.12	1912	R24	J67	PT	D 053	-
I8053	Details of Shields for Water Scoop on G53 Class Tenders	3" to 1' details of 6 sheet steel components	7.12.12	1912	G53	-	PT	D 014	-
I8055	Six Wheels Coupled Goods Engines Y14 Class-Arrangement and Details of Wakefield's Mechanical Lubricator	3" to 1' arrangement of lubricator and 6" to 1' details of components	- .3.12	1912	Y14	J15	PT	D 074	-
I8065	Arrangement of Superheater with Pressed Steel Header	1½" to 1' undimensioned arrangement of header	- .4.12	1912	-	-	PT	D 065	-
I8065 -I	Arrangement of Superheater with Pressed Steel Header (Alternative Scheme)	1½" to 1' elevations, section and plan of header	- .4.12	1912	-	-	PT	D 065	-
I8068	Arrangement of Superheater with Pressed Steel Header	1½" to 1' elevations, section and plan of header My comment: probably a proposal	- .4.12	1912	-	-	PT	D 047	-

18074	Lid for Liquid Fuel Tank on Four Coupled Express Engines	Full size elevation, section and plan of lid My comment: lid similar to water tank lid	- .3.12	1912	-	-	PT	D 053	-
18080	2" Pipe Bend for Vacuum Brake	3" to 1' details of bend My comment: possible a Stores Ordering drawing for vacuum stand pipes	- .3.12	1912	X45	J15	PT	D 080	-
18099	Diagram Showing Position of Water Gauge Columns on Coal Engines with Round Top & Belpaire Boilers	1½" to 1' diagram showing position relative to crown of firebox	25.4.12	1912	-	J16 J17	PT	D 063	-
18118	Steel Steam Pipes	3" to 1' main steampipe of 6" O.D.	- .6.12	1912	Y14	J15	PT	D 073	-
18130	Six Wheels Coupled Bogie Express Engines Class S69-Controlling Gear for Trailing Axle Boxes	Full size details of components Endorsed: altered to blue 19.11.12 for engines other than 1500 to 1504 see Dg No 19906	- .6.12	1912	S69	B12	PT	D 060	-
18142	Sets Steam Superheating Heating Elements for Schmidt Superheater	3" to 1' arrangement of superheater and full size details of tube ends and bends Endorsed: work to red for T19 Belpaire 1.7.13	- .4.21	1921	D56 E72	D15 J18	PT	D 058	-
18142 -A	Steam Superheating Elements for Schmidt Superheater	3" to 1' arrangement of elements and full size details for elements My comment: Stores Ordering drawing	- .4.21	1921	D13	-	PT	D 058	-
18143	Steel Smoke Tubes for Superheater	Full size details of 5" OD tubes My comment: Stores Ordering drawing	- .6.12	1912	E72	J18	PT	D 059	-
18144	Four Wheels Coupled Bogie Express Engines Class D56-Arrangement and Details of Stone's Variable Blast Pipe and Ejector	6" to 1' elevations, plan and section of blast pipe and ejector and full size details Endorsed: altered 7.10.13	- .7.12	1912	D56	D15	PT	D 070	-
18144 Att	Alteration to Stone's Blast Pipe D56 Class to Suit Coal Engines F48 Class	Full size section and elevation of base of blast pipe Endorsed: plan of base same as D56 class	1.6.13	1913	F48	J16	PT	D 058	-
18163	Six Wheels Coupled Bogie Express Engines S69 Class-Built Up Crank Axle	3" to 1' elevations of crank axle	- .6.12	1912	S69	B12	PT	D 054	-
18164	Untitled	Full size plan and section of piston head showing arrangement of patent piston rings, held against barrel by steam pressure Endorsed: provisionally patented	- .6.12	1912	-	-	PT	D 033	-
18170	Plain Ring for Smoke Box Fronts	6" to 1' elevation and section of plain ring 2¼" x ½" section, 4' 9¾" O.D. and details for seating smokebox door	- .6.12	1912	D56	D15	PT	D 054	-
18175	Crank Pin & Washer	6" to 1' details of pin and washer	- .6.12	1912	-	-	PT	D 050	-
18203	Six Wheels Coupled Bogie Express Engines S69 Class-Alteration to Gear for Wakefield's Mechanical Lubricator	3" to 1' arrangement and details of lubricator	26.6.12	1912	S69	B12	PT	D 048	-
18210	Springs for Axle-box Controlling Gear- S69 Class Engines	Full size details of three types of spring	2.7.12	1912	S69	B12	PT	D 013	-
18231	Set of Steam Superheating Elements for Swindon Superheater	3" to 1' details of set of 12 tubes and full size details, distance between tube plates 12' 1"	- .7.12	1912	-	-	PT	D 046	-
18235	Four wheels Coupled Bogie Express Engines Class D56-Arrangement of Tube Ends for Swindon Superheater	3" to 1' arrangement of tubes and ends and full size details of bends	19.7.12	1912	D56	D15	PT	D 018	-
18237	Six Wheels Coupled Goods engines E72 Class-Arrangement and Details of Ashpan Gear	3" to 1' arrangement of gear and 6" to 1' details of components	30.7.12	1912	E72	J18	PT	D 011	-

18243	Arrangement and Details of Hand Brake for Old Engine Frames Nos 1 to 7	1" to 1' side elevation and plan of former 6 wheel tender frames	11.9.12	1912	-	-	PT	D 035	-
18253	Six Wheels Coupled Bogie Belpaire Superheater Express Engines S69-Arrangement of Piping and Details of Cocks, Unions, etc for Operating Lubricator	1 ½" to 1' arrangement on outline of engine My note: virtually illegible, details taken from Shannon	- .10.12	1912	S69	B12	PT	D 006	-
18259	Six Wheels Coupled Tank Engines S56 Class-Alteration to Gear for Wakefield's Mechanical Lubricator (Graphite Lubricator to Chain Dotted Lines)	1 ½" to 1' arrangement of lubricator in relation to the motion and full size details of components Endorsed: work to Dg No 18820 for arrangement and details of gear for Wakefield's mechanical lubricator	- .9.12	1912	S56	J69	PT	D 012	-
18308	Four wheels Coupled Bogie Express Engines Class D56 Fitted with Schmidt Superheater-Arrangement and Details of Spark Arrestor	3" to 1' arrangement of arrestor and 6" to 1' details of components	- .11.12	1912	D56	D15	PT	D 038	-
18340	Arrangement and Details of Hand Brake on Old Tender Frame	1" to 1' elevations and plan of former 6 wheel 18'4" frame, 6'0 & 5'0" wheelbase with centre wheels removed with 3" to 1' details of brake gear with either side lever and two blocks	24.12.12	1912	-	-	PT	D 082	-
18345	Six Wheels Coupled Bogie Express Engines Class S69-Stone's Variable Blast Pipe and Ash Ejector	6" to 1' elevations, plan and sections of apparatus Endorsed: altered 21.11.13	3.12.12	1912	S69	B12	PT	D 013	-
18345 Att	Alteration to Stone's Blast Pipe S69 Class to Suit Coal Engines E72 Class	6" to 1' details of valve box Endorsed: for other dimensions see Dg No 18345	30.9.13	1913	S69	B12	PT	D 014	-
18345 Att	Six Wheels Coupled Bogie Express Engines Class S69-Alteration to Stone's Blast Pipe Valve Box for Engines with Exhaust Injector No 10	6" to 1' details of valve box Endorsed: for other dimensions see Dg No 18345	- .2.15	1915	S69	B12	PT	D 048	-
18345 Att	Express and Goods Engines D56 and E72 Classes-Alterations to Stone's Blast Pipe Valve Box for Engines with Weir Feed Water Heater	6" to 1' details of valve box, 1 for E72 and 1 for D56 classes	21.1.15	1915	D56 E72	D15 J18	PT	D 014	-
18347	Six Wheels Coupled Bogie Express Engines S69 Class-Valve and Gear for Auxiliary Steam Admission when Regulator is Closed	Full size arrangement of valve and details of components Endorsed: not required for T19 class, altered in red 16.5.14	8.11.12	1912	S69	B12	PT	D 014	-
18347 Att	Six Wheels Coupled Bogie Express Engines S69 Class-Alteration to Gear for Auxiliary Steam Admission	Full size elevation of gear with a note on adjustment	13.3.14	1914	S69	B12	PT	D 014	-
18347 Att 2	Six Wheels Coupled Bogie Express Engines S69 Class-Alteration to Gear for Auxiliary Steam Admission	Full size details of components	26.6.14	1914	S69	B12	PT	D 014	-
18348	Dexine Joints for Cylinders & Steam Pipes for Engs Class S69 & E72	6" to 1' details of five types of joint for cylinder covers and piston valve cover joints	30.10.12	1912	S69 E72	B12 J18	PT	D 013	-
18363	Details of Spark Deflector & Blast Pipe Gear	6" to 1' and full size details of vertical spark deflector and gear for operating valve in blast pipe Endorsed: also noted for D56 and E72 classes	- .12.12	1912	A73 B78	B12	PT	D 062	-
18364	Arrangement of Spark Deflector & Variable Blast Pipe-Stones	3" to 1' arrangement of smokebox and part of cab, showing louver type spark deflector and variable blast pipe, and operating gear; variable blast pipe incorporates ash ejecting feature Endorsed: for B78 see Dg No 20057	- .12.12	1912	A73	B12	PT	D 070	-
18393	India Rubber Cylinders for Bogie Slide Controlling	Full size details of seven cylinders with plates	12.11.12	1912	S69	B12	PT	D	-

	Springs				A73			021	
18407	Four Wheels Coupled Express Engines Class D56-Arrangement of Lambert Water Sanding Gear	1½" to 1' details of gear shown on part outline elevations and plan of engine	16.11.12	1912	D56	D15	PT	D 066	-
18451	1 Set Steel Smoke Tubes for Superheater-18 per Set	Full size details for tube length 12'5", No 8 SWG, for engine No 1794	11.12.12	1912	D56	D15	PT	D 019	-
18454	Four Wheels Coupled Bogie Express Engines T19 Class-Cast Iron Header for Schmidt's Superheater	6" to 1' sectional elevations of header Endorsed: altered in red 20.2.14 and in blue 25.3.14	- .12.12	1912	T19	D13	PT	D 044	-
18465	Sets Steel Smoke Tubes for Superheater	Full size details of tubes My comment: Stores Ordering drawing	- .1.13	1913	T19	D13	PT	D 062	-
18466	Alteration to Engine Buffer and Casing	Full size sectional elevation and plan of casing and plunger Endorsed: altered to red for cast steel buffer plungers 14.7.14	- .12.12	1912	-	-	PT	D 072	-
18477	Alteration to Gear for Working Stones Blast Pipe on S46 Class Engs.	3" to 1' arrangement and full size details of components	- .1.13	1913	S46	D14	PT	D 047	-
18486	Six Wheels Coupled Express Engines-Cast Steel Driving Wheels	3" to 1' elevations of 20 spoke wheel 6'6" diameter on tread and full size section of tyre	24.1.13	1913	S69	B12	PT	D 088	-
18487	Six Wheels Coupled Express Engines Sets Cast Steel Intermediate Wheel Centres	3" to 1' elevation and section of wheel My comment: Stores Ordering drawing	24.1.13	1913	S69	B12	PT	D 088	-
18488	Six Wheels Coupled Express Engines-Sets Cast Steel Trailing Wheel Centres	3" to 1' elevation and section of wheel Endorsed: altered 16.3.34 and 1.41 My comment: Stores Ordering drawing	24.1.13	1913	S69	B12	PT	D 088	-
18494	Great Northern Railway-Arrangement of Firebox Fitted with Schleyder's Patent Smoke Consumer	3" to 1' arrangement of apparatus My comment: appears to introduce steam and air at front of firebox under brick arch	- .1.13	1913	-	-	PT	D 052	-
18499	Buffer for Passenger Engines and Tenders	Full size sectional side and end elevation of buffer	27.5.19	1919	-	-	PT	D 076	-
18499 Part	Engine Buffer	Full size elevation, section and plan of casing with two diameters, volute spring Endorsed: superseded by tracing same number dated May 1919	- .2.13	1913	-	-	PT	D 076	-
18499 Part	Buffer Casings	Full size elevation, section and plan of casing Endorsed: see Dg No 19423 for cast steel buffer casings 13.7.14 My comment: Stores Ordering drawing	- .3.13	1913	-	-	PT	D 075	-
18500	Four Wheels Coupled Shunting Tank Engine Class B74-Hornblock and Axlebox	6" to 1' sectional elevations and plan	- .1.13	1913	B74	Y4	PT	D 076	-
18500 Part	Cast Steel Axlebox Keeps	Full size elevation, section and plan of keep My comment: Stores Ordering drawing for castings	- .1.13	1913	B74	Y4	PT	D 071	-
18500 Part	Sets Cast Steel Hornblocks	6" to 1' elevation, section and plan of hornblock My comment: Stores Ordering drawing for castings	- .1.13	1913	B74	Y4	PT	D 071	-
18501	Four Wheels Coupled Shunting Engine Class B74-Front Cylinder Cover	Full size section and elevation of left hand cover	- .1.13	1913	B74	Y4	PT	D 053	-
18502	Four Wheels Coupled Shunting Tank Engines Class B74-Piston and Rod	Full size elevations and sections Endorsed: altered 11.5.48 and two further undated amendments	13.1.13	1913	B74	Y4	PT	D 053	-
18503	Four Wheels Coupled Shunting Tank Engine B74 Class-Cast Steel Motion Plate	3" to 1' elevations and sections of plate Endorsed: altered 30.11.18 and another	20.1.13	1913	B74	Y4	PT	D 046	-
18503	Cast Steel Motion Plates	3" to 1' elevation, section and plan of motion plate	- .1.13	1913	B74	Y4	PT	D	-

		My comment: Stores Ordering drawing for casting						047	
18504	Four Wheels Coupled Shunting Engine Class B74-Piston Rod and Valve Spindle Metallic Packing	Full size details of components Endorsed: metallic packing for front end of valve spindle not required see Dg No 18514	20.1.19	1919	B74	Y4	PT	D 053	-
18505	Four Wheels Coupled Shunting Tank Engine Class B74-Arrangement and Details of Spring Gear	6" to 1' elevations and plan and full size details Endorsed: undated addition	28.1.13	1913	B74	Y4	PT	D 046	-
18505 Part	Cast Steel Spring Brackets	Full size elevation, section and plan of bracket My comment: Stores Ordering drawing	- .1.13	1913	B74	Y4	PT	D 047	-
18505 Part	Cast Steel Spring Hangers	Full size elevation, section and plan of hanger My comment: Stores Ordering drawing	- .1.13	1913	B74	Y4	PT	D 047	-
18506	Four Wheels Coupled Shunting Engine Class B74-Slide Bars	3" to 1' elevations and plan of bar and full size details Endorsed: slide bar bolts to be made of Class C steel 24.7.39	24.1.11	1911	B74	Y4	PT	D 006	-
18507	Four Wheels Coupled Shunting Engine Class B74-Crosshead	Full size elevations and sections Endorsed: altered 23.7.13 and 11.7.21	21.1.13	1913	B74	Y4	PT	D 006	-
18507	Cast Steel Crosshead	Full size elevations and plan of crosshead My comment: Stores Ordering drawing	- .1.13	1913	B74	Y4	PT	D 001	-
18510	Four Wheels Coupled Shunting Tank Engine Class B74-Spring	6" to 1' elevations and section of 11 plate spring 3'0" unloaded Endorsed: alteration to 1934	24.1.13	1913	B74	Y4	PT	D 005	-
18511	Four Wheels Coupled Shunting Engine Class B74-Connecting Rod	Full size elevations and plan Endorsed: modified in red 21.7.21 and 6.4.25	- .10.18	1918	B74	Y4	PT	D 006	-
18512	Four Wheels Coupled Shunting Tank Engine Class B74-Slide Valve and Spindle	Full size elevations, section and plan of valves Endorsed: modified 16.7.21	- .2.13	1913	B74	Y4	PT	D 005	-
18513	Four Wheels Coupled Shunting Engine Class B74-Foundation Ring	3" to 1' elevation of ring and full size details of riveting	24.1.13	1913	B74	Y4	PT	D 001	-
18514	Four Wheels Coupled Shunting Engines Class B74-Cylinders	3" to 1' elevations, sections and plans of cylinders Endorsed: altered 30.4.13	17.2.13	1913	B74	Y4	PT	D 084	-
18515	Four Wheels Coupled Shunting Engine Class B74-Centre Casting between Cylinders	3" to 1' elevations, sections and plan of casting	11.4.13	1913	B74	Y4	PT	D 029	-
18516	Four Wheels Coupled Shunting Tank Engine Class B74-Cast Steel Leading Driving Wheels	3" to 1' elevations and sections of leading and driving wheels and full section through rim and tyre	20.3.13	1913	B74	Y4	PT	D 029	-
18517 -1	Steel Axles	3" to 1' details of forged axle and finished dimensions	17.7.28	1928	B74 B77	Y4	PT	D 028	-
18519	Four Wheels Coupled Shunting Tank Engine B74 Class-Details of Motion	Full size details of components	14.4.13	1913	B74	Y4	PT	D 084	-
18520	Crank Pins-Four Wheels Coupled Shunting Tank Engine Class B74	Full size elevations and plan of pins Endorsed: see Dg No 28537 for driving	18.2.13	1913	B74	Y4	PT	D 029	-
18521	Four Wheels Coupled Shunting Tank Engine Class B74-Coupling Rod	Full size elevation, section and plan of coupling rod and fittings Endorsed: altered 25.8.24; superseded by Dg No 27408 12.27	19.2.13	1913	B74	Y4	PT	D 021	-
18522	Four Wheels Coupled Shunting Engine Class B74-Steam Pipe Connection	Full size elevations and plan of connection in smokebox	17.2.13	1913	B74	Y4	PT	D 020	-
18524 Att	Four Wheels Coupled Shunting Tank Engine Class B74-Alteration to Frame at Trailing End	3" to 1' elevations and plan of alterations Endorsed: see Attachment for B77 6.8.14; altered 29.4.14, 5.8.14 and 18.9.14	8.8.13	1913	B74	Y4	PT	D 020	-
18524	Four Wheels Coupled Shunting Tank Engine B77	3" to 1' elevations and plan showing alteration	12.8.14	1914	B74	Y4	PT	D	-

Att	Class-Alteration to Frame at Trailing End to Suit Brake Column							020	
18524 Part	Four Wheels Coupled Shunting Tank Engine Class B74-Outline of Frame	1½" to 1' dimensioned outline side elevation of frame My comment: trailing end different to 18524 Att	9.4.13	1913	B74	Y4	PT	D 020	-
18527	Four Wheels Coupled Shunting Tank Engine Class B74-Ashpan Arrangement	3" to 1' elevations and plan	11.4.13	1913	B74	Y4	PT	D 021	-
18529	Four Wheels Coupled Shunting Tank Engine Class B74-Boiler Stays	Full size details of 8 types of stays	- .4.13	1913	B74	Y4	PT	D 021	-
18532	Four Wheels Coupled Shunting Engine Class B74, G75-Smokebox Door	6" to 1' half elevation elevation and plan of door	30.4.13	1913	B74	Y4	PT	D 073	-
18534	Four Wheels Coupled Shunting Tank Engine B74 Class-Arrangement and Details of Reversing Gear	1½", 3" & 6" to 1' elevations and plan of arrangement and details of components Endorsed: altered 31.8.14	16.5.13	1913	B74	Y4	PT	D 086	-
18536	Injector Steam Cock	Full size detail	- .5.51	1951	-	Y4	PT	D 080	-
18537	Four Wheels Coupled Shunting Engine Class B74-Asbestos Clothing	1½" to 1' plans of asbestos clothing mats	15.5.13	1913	B74	Y4	PT	D 034	-
18541 Att	Alterations to Cab and Windows B77 Class	1½" to 1' elevations and plan of cab	26.6.14	1914	B77	Y4	PT	D 001	-
18542	Four Wheels Coupled Shunting Engine Class B74-Trailing Sand Box Gear Details	6" to 1' details of components	8.8.13	1913	B74	Y4	PT	D 001	-
18544 Att	Four Wheels Coupled Shunting Engine Class B74-Arrangement of Trailing Sand Box and Gear	1½" to 1' side elevation and plan of gear	- .8.13						
18544 Att	Sketch Showing Position of Tool Box on Shunting Engines A82 Class	1½" to 1' elevations and plan of tool box on footplate	11.1.21	1921	A82	Y4	PT	D 025	-
18547	Four Wheels Coupled Express Engines Class T19 Belpaire Fitted with Schmidt Superheater-Piston Rod	Full size details Endorsed: tail rods not required 14.8.14; work to red for T19 class engines with 25" stroke and Schmidt superheater 1.10.13	25.6.13	1913	T19	D13	PT	D 053	-
18547 -I	Steel Piston Rods	3" to 1' elevation and section of rod My comment: Stores Ordering drawing for forgings	14.6.19	1919	T19	D13	PT	D 038	-
18548	Slide Bars-Engs with Schmidt Superheaters	3" to 1' elevations of slide bar and full size details Endorsed: dimensions altered in red ink 13.10.13; steel specification for bolts added 24.7.39	- .7.13	1913	T19R	D13	PT	D 023	-
18549	Four Wheels Coupled Bogie Express Engines Class T19 Belpaire Fitted with Superheater-Piston Tail Rod Casing and Bush, Valve Spindle Tail Rod Casing, Bush and Oil Box	6" to 1' and full size details of components	- .7.13	1913	T19	D13	PT	D 023	-
18550	Four Wheels Bogie Express Engines T19 Class Belpaire Fitted with Schmidt Superheater-Arrangement of Metallic Packing and Tail Rod Casings for Piston Rod and Valve Spindle-Method of Lubrication of Slide Valves, Pistons and Cylinders	3" to 1' sectional elevations and 6" to 1' and full size details	12.7.13	1913	T19	D13	PT	D 081	-



18551	Four Wheels Coupled Bogie Express Engines Class T19 Fitted with Schmidt Superheated-Smokebox	3" to 1' sectional elevations of smokebox and part details of cylinder Endorsed: altered 6.10.14 and 21.12.21	26.9.13	1913	T19	D13	PT	D 028	-
18552	Tee Piece for Steam Pipe Connections for T19 Class Fitted with Schmidt Superheater	6" to 1' sections and elevations	24.7.13	1913	T19	D13	PT	D 028	-
18553	Four Wheels Coupled Bogie Express Engines Class T19 with Belpaire Fitted with Superheater-Arrangement and Details for Wakefield's Mechanical Lubricator	1½" to 1' arrangement on engine and 6" to 1' and full size details Endorsed: altered 1.10.14, 18.5.16 and 30.6.39	16.9.13	1913	T19	D13	PT	D 028	-
18553 Att	T19 Class Superheater Engines-Arrangement for Wakefield's Mechanical Lubricator (7 Feed)(No 7 Pattern)	1½" to 1' elevation of plan of arrangement on section of engine	- .5.16	1916	T19	D13	PT	D 032	-
18553 Att	T19 Class Superheater Engines-Arrangement and Details for Steam Jet Attachment (Anti Carboniser) for Wakefield's Mechanical Lubricator	1½" to 1' arrangement on front part of engine and details of pipes and brackets	15.11.17	1917	T19	D13	PT	D 028	-
18553 Att 2	Four Wheels Coupled Express Engines Class T19 Belpaire with T19 Superheater and Balanced Valves-Arrangement of Lubricator Pipes to Cylinders, Port Faces and Steam Chest Covers	3" to 1' elevations and sections	7.11.17	1917	T19	D13	PT	D 029	-
18554	Four Wheels Coupled Bogie Express Engines Class T19 Fitted with Schmidt Superheater-Details of Spark Deflector and Blast Pipe Gear	½" to 1' and full size details Endorsed: modified 1915 for engines fitted with Robinson's superheater Endorsed: modified 14.10.24 for engines fitted with blast pipe to Dg No 25172	- .10.13	1913	T19	D13	PT	D 020	-
18557	Diagram of Four Wheels Coupled Shunting Tank Engine B74-Showing Clearance from Rail and Loading Gauge	1½" to 1' end profile showing clearances My comment: for tall chimney engine No 227	8.9.13	1913	B74	Y4	PT	D 029	-
18558	Tenders Class 1500 (Type B12)-Strainer fro Tank	Full size elevation and plan of strainer My comment: see Dg No 7904-I for feed cock	21.7.19	1919	T69	-	PT	D 029	-
18560	Balanced Slide Valve D56 Class	Full size elevations and sections Endorsed: altered 12.2.14; dimensions in brackets for F48 class	23.9.13	1913	D56	D15	PT	D 029	-
18561	Piston & Rod	Full size elevations and section of piston and tail rod Endorsed: noted tail rods not required 13.8.14	- .9.13	1913	D56	D15	PT	D 049	-
18562	Four Wheels Coupled Bogie Express Engines Class T19-Arrangement and Details of Stones Patent Blast Pipe Gear and Spark Deflector	3" to 1' arrangement of gear and 6" to 1' and full size details of components Endorsed: altered 18.2.14	- .10.13	1913	T19	D13	PT	D 045	-
18583	Six Wheels Coupled Express Engines Cast Steel Header for Robinson Superheater	6" to 1' elevations, section and pan of header Endorsed: intended for last two of order A73; not carried out 5.3.13	12.2.13	1913	A73	B12	PT	D 014	-
18603	Arrangement and Details of Pyrometer Tube Casing Class S69	1½" to 1' arrangement on side of smokebox and full size details of clips	19.2.13	1913	S69	B12	PT	D 073	-
18606	Four Wheels Coupled Tank Engines Class T26-Built Up Crank Axle	3" to 1' arrangement of left hand crank Endorsed: for right hand crank axle see Dg No 18605	- .2.13	1913	T26	E4	PT	D 023	-
18607	Spring Bracket (Paul's Patent) for Pyrometer Gauge	Full size elevations, section and plan of an unidentified subject,	21.2.13	1913	-	-	PT	D 087	-

		showing component suspended inside a wooden casing							
18636	Arrangement of Superheater and Draught Retarder	3" to 1' elevations, section and plan of components Copy of part of Dg No 364/5 from Locomotive Superheater Corpn Ltd	- .3.13	1913	-	-	PT	D 062	-
18640	Sketch of Firebox Shewing Brick Arch	1½" to 1' cross-section through firebox	- .3.13	1913	S69	B12	PT	D 065	-
18651	Sketch Showing Position of Pyrometer for Cast Iron Superheater Header	3" to 1' outline of header showing hole in one cover plate	- .3.13	1913	A73	B12	PT	D 080	-
18655	Arrangement of Lambert Water Sanding Gear	1½" to 1' scrap elevation and plan of engine showing arrangement of gear and full size details of bracket and union My comment: good outline elevation	- .5.13	1913	G69	F6	PT	D 032	-
18667	Sketch Showing Position of Pyrometer in Steam Chest for Engine 1501	3" to 1' details and components, engine fitted with Detroit 7 Feed Indicator	11.4.13	1913	S69	B12	PT	D 014	-
18672	Four Wheels Coupled Bogie Express Engines Class T19-Stones Variable Blast Pipe and Ash Ejector	6" to 1' arrangement of blast pipe and full size details of components	2.6.13	1913	T19	D13	PT	D 020	-
18672 Att	Alteration to Stones Blast Pipe T19 Class to Suit T26 Class Engines	Full size details of lower part of blast pipe	5.9.13	1913	T26	E4	PT	D 019	-
18680	Six Wheels Coupled Tank Engines Class S56-Arrangement and Details of Gear for Wakefield's Mechanical Lubrication for Axleboxes	1½" to 1' arrangement of apparatus on outline of engine and full size details of components	- .7.13	1913	S56	J69	PT	D 019	-
18690	Arrangement of Bosch's Mechanical Lubricator Class S69	3" to 1' arrangement of gear and 6" to 1' details of components Endorsed: for other details see Dg No 17277 and 18203	- .4.13	1913	S69	B12	PT	D 061	-
18693	Arrangement of Stones Mechanical Lubricator Class S69	3" to 1' arrangement of lubricator and 6" to 1' details of components Endorsed: for other details see Dg No 17277 and 18203	14.5.13	1913	S69	B12	PT	D 061	-
18694 Att	Auto Train Gear Y65 Class-Spring Attachment to Regulator Push Rod	1½" to 1' arrangement and full size details of attachment My comment: two different springs for trial	- .3.24	1924	Y65	F7	PT	D 062	-
18696	Six Wheels Coupled Express Engines Class A73 Steel Steam Pipes for Robinson Superheater	3" to 1' details of pipes Endorsed: pencil notes relative to Beardmore locomotives	1.5.13	1913	A73	B12	PT	D 013	-
18717	Diagram Showing Maximum Travel of Piston Valve in Full Forward Gear and When Cutting Off at 30%	Diagrammatic	7.5.13	1913	S69	B12	PT	D 019	-
18728	Six Wheels Coupled Bogie Express Engines Class S69-Piston Valves and Spindle	Full size arrangement Endorsed: altered 16.7.21	23.5.13	1913	S69	B12	PT	D 019	-
18729	Six Wheels Coupled Bogie Express Engines Class S69-Piston Valves and Spindle	Full size elevations Endorsed: altered 22.11.13 and 16.7.21	23.5.13	1913	S69	B12	PT	D 019	-
18730	Four Wheels Coupled Express Engines Class D56-Slide Valve	Full size general arrangement of valve and detail of drain valve	20.5.13	1913	D56	D15	PT	D 019	-
18749	Four Coupled Express Engines Class D56-Oil Box for Small Ends	Full size details Endorsed: amended 3.6.15	9.6.13	1913	D56	D15	PT	D 033	-
18759	Details of Forged Work for Auto-Train Gear	6" to 1' and full size details of regulator handle, linkages, brackets, etc. My comment: some details applied to G5 0-4-4T for other details G5 see Dg No 34241	- .6.13	1913	Y65 P55	F7 F5	PT	D 048	-

18772	Diagram Showing Position of Vacuum Brake Coupling on Large Tenders	1 1/2" to 1' view on rear of tender	- .6.13	1913	-	-	PT	D 072	-
18773 Att	(Steel Plate and Valve)	Full size details of steel plate 4" dia. and screwed boss, function not stated	- .9.20	1920	-	-	PT	D 062	-
18774	Six Wheels Coupled Express Engines Class A73, B78-Arrangement of Robinson's Superheater and Draught Retarder	3" to 1' elevations and section of smokebox Endorsed: work to red for B78 9.3.15, see Dg No 19874 for B78 header	13.6.13	1913	A73	B12	PT	D 070	-
18776	Four Wheels Coupled Radial Tank Engines Class Y65-Pressure Reducing Valve and Other Brass Details for Auto Train Gear	Full size details of valve, etc.	- .6.13	1913	Y65	F7	PT	D 062	-
18793	Four Wheels Coupled Bogie Express Engines Class T19 fitted with Schmidt Superheater-Cover	Full size details of cover Endorsed: amended 3.10.13 and 26.8.14	- .6.13	1913	T19	D13	PT	D 023	-
18796	Sketch of Smokebox Door with 'Victor Metallic Carbonized Smokebox Door Joint'	6" to 1' sketch of door joint Endorsed: please return to J. A. Fisher, Bells United Asbestos Co. Ltd.'	- .6.13	1913	-	-	PT	D 077	-
18802	Valve Spindle Stuffing Box	Full size elevation and section of box	- .6.13	1913	T19R	D13	PT	D 023	-
18804	Four Wheels Coupled Express Engines Class D56-Arrangement of Steam Distributing Valves on Boiler for Galloway-Hill Patent Furnace	1 1/2" to 1' arrangement on outline of firebox and full size details of components	1.7.13	1913	D56	D15	PT	D 011	-
18805	Steel Steam Pipes	3" to 1' details of pipes Endorsed: length of pipes altered 6.8.13 My comment: Stores Ordering drawing	- .6.13	1913	T19R	D13	PT	D 023	-
18820	Six Wheels Coupled Tank Engines S56 Class-Arrangement and Details of Gear for Wakefield's Mechanical Lubricator	1 1/2 to 1' arrangement of gear with 6" to 1' and full size details of components My comment: largely illegible, title may be incorrect, amended 30.6.39	- .7.13	1913	S56	D14	PT	D 047	-
18825	United States Metallic Packing for Valve Spindles	Full size details of packing for T19 with Schmidt superheater	- .7.13	1913	T19	D13	PT	D 039	-
18833	Sketch Showing Proposed Alteration to "Iracier" Tender Axlebox	Full size details of alteration My comment: alteration to pocket for spring pillar	- .7.13	1913	-	-	PT	D 078	-
18836	Four Wheels Coupled Bogie Express Engines Class T19 Fitted with Schmidt Superheater, Stones Variable Blast Pipe and Ash Ejector	3" to 1' arrangement of blast pipe Endorsed: work to Dg No 21572 15.10.24 and altered 25.10.13	- .7.13	1913	T19	D13	PT	D 078	-
18836 Att	Alteration to Stones Blast Pipe T19 Class to Suit D56 Class Fitted with Schmidt Superheater	Full size arrangement of blast pipe	- .1.14	1914	D56	D15	PT	D 080	-
18836 Att	Alteration to Stones Blast Pipe T19 Class to suit G58 Class fitted with Superheater	Full size details of base only, altered to suit different cylinders Endorsed: see T19 class Dg No 18836	- .5.15	1915	G58	J17	PT	D 080	-
18863	Six Wheels Coupled Express Engines Class S69-Flange for Steam Pipe	Full size details of flange Endorsed: cancelled 14.8.13	28.7.13	1913	S69	B12	PT	D 019	-
18864	Six Wheels Coupled Express Engines Class S69-Sketch of Flange for Steam Pipes	Full size sectional elevation and plan Endorsed: altered for other classes; cancelled see Dg No 23236 22.10.20	30.7.13	1913	S69	B12	PT	D 019	-
18882	Piston Rings for Hydraulic Reversing Gear and Neck	Full size details of ring	14.8.13	1913	-	-	PT	D	-

	Ring							020	
18884	Details of Hydraulic Reversing Gear	6" to 1' details of components Endorsed: altered 19.9.17	28.8.13	1913	-	-	PT	D 020	-
18885	Hydraulic Reversing Gear-Cocks and Valve Bracket	6" to 1' elevations and plan of cocks and 6" to 1' details of bracket	10.9.13	1913	-	-	PT	D 020	-
18886	Six Wheels Coupled Goods Engines Class F48-Hydraulic Reversing Gear Arrangement	(Full size) elevation and plan of reversing gear, undimensioned	25.8.13	1913	F48	J16	PT	D 020	-
18886 Att	Alteration to Hydraulic Reversing Gear Engs. F48 Class	Full size sectional elevation Endorsed: altered 19.9.17	26.2.15	1915	F48	J16	PT	D 020	-
18887	Arrangement of Davies & Metcalfe's Exhaust Injector on Four Wheels Coupled Express Engines D56 Class	1½" to 1' arrangement shown in relation to outline elevations and half plan of engine	- .8.13	1913	D56	D15	PT	D 020	-
18888	Details of Exhaust Injector Gear on Express Engines Class D56	3" and 6" to 1' and full size details of numerous components	- .8.13	1913	D56	D15	PT	D 019	-
18906	Four Wheels Coupled Bogie Express Engines T19 Belpaire-Arrangement and Details of Superheater Damper Gear	1½" to 1' outline elevations of engine showing arrangement of equipment and 6" to 1' details of components	- .9.13	1913	T19	D13	PT	D 032	-
18912	Water Gauge Column Seating	Full size details of seating with diagram of holes in boiler for S56 class	- .9.13	1913	S56	J69	PT	D 062	-
18916	Smokeybox Door for Engines with 4Ft 4Ins Diameter Boilers	6" to 1' elevation and sections	16.9.13	1913	T26 C32 Y14	E4 F3 J15	PT	D 078	-
18918	Flexible Metallic Feed Pipe between Engine & Tender	3" to 1' details of flexible bronze tube, 2" I.D.	- .9.13	1913	D56	D15	PT	D 062	-
18925	Locomotive Tyres and Method of Fixing-Standard Tyre and Fixing and Tyre for Centre Wheels-Six Coupled Engines	Full size details of fixing Endorsed: altered 21.3.29	16.9.13	1913	-	-	PT	D 082	-
18929	Dewrance's Patent Water Gauge	Full size elevations, section and plan of gauge Endorsed: copied from Dewrance's drawing	22.9.13	1913	-	-	PT	D 081	-
18930	Proposed Alteration to Rivets in Engine Tyres	Full size arrangement of rivets My comment: two sketches, 'A' and 'B', showing in 'B' the rivets moved 1/16" away from rim	- .9.13	1913	-	-	PT	D 080	-
18939	Four Wheels Coupled Bogie Express Engines Class T19 Belpaire with Schmidt Superheater and 25In Stroke Piston	Full size elevations and plan of piston Endorsed: altered 24.3.14 & 24.4.28	7.10.13	1913	T19	D13	PT	D 019	-
18949	Four Wheels Coupled Tank Engine Class C32-Arrangement of Steam Heating Pipes	1½" to 1' arrangement of pipes on outline elevation and half plan of framing and boiler	16.10.13	1913	C32	F3	PT	D 028	-
18949 Att	Four Wheels Coupled Tank Engine Class C32 – Alteration to Steam Heating Pipes to suit GN Type Elbow & Safety Valve	1½" to 1' arrangement of pipe in boiler	- .11.24	1924	C32	F3	PT	D 082	-
18949 Att	Four Wheels Coupled Tank Engines Class C32- Alteration to Steam Heating Pipes to suit GN Type Elbow & Safety Valve	1½" to 1' details of alteration to pipes My comment: shows position in cab, see Dg No 18949 for other dimensions; see Dg No 24904 for steam cock; see Dg No 19155 Att for union nuts	- .11.24	1924	C32	F3	PT	D 028	-

18951	Four Wheels Coupled Mixed Traffic Engines Class T26-Arrangement and Details of Stone's Patent Blast Pipe Gear and Spark Deflector	3" to 1' sectional elevations of blast pipe and 6" to 1' and full size details of components Endorsed: altered 17.2.14	6.11.13	1913	T26	E4	PT	D 020	-
18964	Alteration to Gauge Glass Protectors	Full size elevations and plan with dimensions for different classes	27.10.13	1913	-	-	PT	D 074	-
18969	Six Wheels Coupled Goods Engines Classes G58, F48, L52 & G58 Superheater- Arrangement and Details of Stones Patent Blast Pipe Gear and Spark Deflector	3" to 1' front elevation and section of gear and 6" to 1' and full size details Endorsed: altered 7.2.14 modified for G58	20.11.13	1913	F48 G58	J16 J17	PT	D 031	-
18971	Superheater Steel Smoke Tubes with Screwed Ends	Full size details of 5/4" O.D. tubes My comment: Stores Ordering drawing	- .11.13	1913	R75	B12	PT	D 071	-
18971	Sets Superheater Steel Smoke Tubes with Screwed Ends	Full size details of tubes My comment: Stores Ordering drawing; superseded by Dg No 26900 10.10.27	- .11.18	1918	R75 D81	B12 J20	PT	D 071	-
18971 -A	Superheater Steel Smoke-Tube with Screwed End	Full size details of tube My comment: Stores Ordering drawing for set of 21 tubes; superseded by Dg No 26902 10.10.27	- .12.22	1922	S69	D15	PT	D 071	-
18974	Six Wheels Coupled Bogie Express Engines Class S69-Piston with Wide Ring	Full size elevation and section of 1'7 7/8" diameter piston head Endorsed: altered 19.3.14 & 10.9.40	- .11.13	1913	S69	B12	PT	D 022	-
19004	Six Wheels Coupled Coal Engines Class E72-Arrangement of Stones Blast Pipe and Spark Deflector and Details	3" to 1' arrangement and full size details Endorsed: for engines with Robinson's superheater class T77 see Dg No 20963	4.12.13	1913	E72	J18	PT	D 019	-
19014	Six Wheels Coupled Bogie Express Engines S69 Class-Arrangement of Schmidt's Steam Circulating Device	3" to 1' arrangement of Schmidt's device My comment: see Dg No 19015 for details; superseded by Dg No 19129 9.2.14	6.12.13	1913	S69	B12	PT	D 019	-
19015	Six Wheels Coupled Bogie Express Engines Class S69-Details for Schmidt's Steam Circulating Device	Full size details of components Endorsed: undated modifications	11.12.13	1913	S69	B12	PT	D 019	-
19020 Ren	Water Gauge Column Seating	Full size details of seating My comment: original drawing 4.12.13.	19.11.27	1927	S69 K89 B74 L77 G58 T19 D56	B12 N7 Y4 N7 J17 D13 D15	PT	D 019	-
19021	Water Gauge Column Seating	Full size details of seating	1.12.14	1914	Y65	F7	PT	D 029	-
19023 Att	Alterations to Snifting Valve and Connections to Header for D56, P19 & E72 Classes	Full size details for the 3 classes	21.2.14	1914	D56 T19 E72	D15 D13 J18	PT	D 084	-
19024	Six Wheels Coupled Bogie Express Engines Class R75-Cast Iron Header for Schmidt Superheater	6" to 1' elevations, section and plan of header Endorsed: altered 20.2.14, 21.4.14 & 12.10.34	31.12.13	1913	R75	B12	PT	D 029	-
19025	Water Gauge Column Seating	Full size details of seating	1.12.14	1914	S46	D14	PT	D 029	-
19036	Firebricks for Tube Plate Ends of Brick Arches	Full size details of bricks	- .12.13	1913	-	-	PT	D 043	-

19040	Water Gauge Column Seating	Full size details of seating	- .12.14	1914	S46 F48	D14 J16	PT	D 037	-
19043	Water Gauge Column Seating	Full size details of seating	- .12.14	1914	G69 018	F6 F4 F5	PT	D 050	-
19044	Water Gauge Column Seating C53 Class	Full size elevations	- .12.13	1913	C53	J70	PT	D 068	-
19065	Four Wheels Coupled Bogie Express Engines D56 Class-Balanced Slide Valve	Full size elevations and section Endorsed: GN pattern; work to red for 1830 engine and last 5 D57 engines 14.5.19	20.1.14	1914	D56	D15	PT	D 019	-
19065 Att	Six Wheels Coupled Goods Engines G58 Class Fitted with Superheater-Valve Spindle for Balance Slide Valve (Dg No 1900)	6" to 1' plan only	- .9.15	1915	G58	J17	PT	D 062	-
19065 Part	Steel Springs for Balanced Slide Valves	Full size length and profile of springs A and B	2.11.25	1925	D56	D15	PT	D 019	-
19080	Four Wheels Coupled Bogie Express Engines Class D56 Fitted with Schmidt Superheater-Arrangement of Stone's Blast Pipe and Details	3" to 1' arrangement and 6" to 1' details Endorsed: the word Schmidt later deleted from title	21.2.14	1914	D56	D15	PT	D 016	-
19084	Six Wheels Coupled Tank Engines Class S56 and G75-Footboard	1½" to 1' plan and section for inside of cab	12.11.13	1913	S56 G75	J69 J68	PT	D 016	-
19111	Four Wheels Coupled Bogie Express Engines Class D56 Fitted with Swindon Superheater-Sketch of Flange for Steam Pipes	Full size sketch of flange	29.1.14	1914	D56	D15	PT	D 022	-
19115	1¼ Inch Relief Valve and Tee Piece	Full size details for engines fitted with steam heating apparatus	7.2.14	1914	-	-	PT	D 022	-
19141	Express and Goods Engines Classes S46, D56, F48, G58, T19, E72, S69-Smokebox Door Details	1½" and 3" and full size details of fittings Endorsed: modified 28.5.14; also for tank engines class L77 2.11.14	1.5.14	1914	S46 D56 F48 G58 T19 E72 S69	D14 D15 J16 J17 D13 J18 B12	PT	D 081	-
19141 Part	Smokebox Door Cross Bars	3" to 1' elevation and plan of bar	- .2.15	1915	S46 D56 F48 T19 E72 S69 L77	D14 D15 J16 D13 J18 B12 N7	PT	D 052	-
19143	Clip for Spreading Longitudinal Stays	Full size elevation, section and plan of clip Endorsed: for existing engines only	- .2.14	1914	S69	B12	PT	D 033	-
19155 Att 2	Six Wheels Coupled Tank Engines S56 Class, R & S24-Part Arrangement and Details of Steam Heating to Suit GC Pattern Steam Heating Valve	1½" to 1' elevations and plan of apparatus in cab and full size details of fittings	30.7.24	1924	S56	J69	PT	D 072	-
19155	Part Arrangement and Details of Steam Heating	1½" to 1' arrangement shown in cab of G.N. type relief valve	- .8.24	1924	S56	J69	PT	D	-

Att	Apparatus							070	
19158	Four Wheels Coupled Express Engines Class D56, T77, F48, T19 Belpaire-Cast Iron Header for Robinson's Superheater	6" to 1' sectional elevations and plan	- .2.14	1914	F48 T77 T19	J17 J18 D13	PT	D 069	-
19158 -I	Four Wheels Coupled Express Engines Classes D13 & D15, J17 & N7-Cast Iron Header for Robinson's Superheater	6" to 1'elevations, sections and plan of header	3.3.14	1914	-	D13 D15 J17 N7	PT	D 069	-
19158 -I	Cast Iron Header for Robinson's Superheater	6" to 1' elevation, section and plan of header My comment: reproducible tracing off original tracing	- .2.14	1914	T19R D56 G58 L77	D13 D15 J17 N7	PT	D 062	-
19159	Seating for Dewrance's Asbestos Packed Steam Cock for Mechanical or Sight Feed Lubricator	Full size seatings for Belpaire and round topped boilers Endorsed: amended 10.3.14	23.2.14	1914	-	-	PT	D 042	-
19168	Six Wheels Coupled Bogie Express Engines Class S69-Coupling Rod Lubricator and Trimmings	Full size elevation and plan of lubricator	- .2.14	1914	S69	B12	PT	D 039	-
19169	Flexible Metallic Tubing for Coal Watering	Full size details of tube	- .2.14	1914	D56	D15	PT	D 048	-
19173	Four Wheels Coupled Express Engines D56 Class-Holes for Detecting Wear of Slide Valves	Full size plan and section of slide valve and position of hole	- .3.14	1914	D56	D15	PT	D 039	-
19176	Alteration to Bottom Cock on Dewrance's Pat.ent Water Gauge	Full size details of alteration Endorsed: not carried out 16.3.15	- .3.14	1914	-	-	PT	D 068	-
19180	Four Wheels Coupled Bogie Express Engines Class D56-Alteration to Lubrication of Trailing Axlebox	6" to 1' arrangement of lubricator and full size details of fittings Endorsed: for alteration of lubricator pipes see Dg No 21942	17.3.14	1914	D56	D15	PT	D 039	-
19193	Arrangement of Stone's Blast Pipe Gear and Details	3" and 6" to 1'details of components and full size scrap elevation of smokebox and cab gear My comment: not proceeded with, this batch of engines had superheater dampers and blast pipe gear as on A73 batch, Dg No 18364; see Dg No 17221: smokebox and Dg No 18345 for blast pipe	- .3.14	1914	R75	B12	PT	D 085	-
19210 & A	Four Wheels Coupled Express Engines Class D56-Superheater Steel Smoke Tube with Screwed End	Full size sectional view of superheater tube Endorsed: Dg No 19210 superseded by Dg No 26901: Dg No 19210A, T19 Class, superseded by Dg No 26904 10.10.27	29.7.24	1924	D56 T19R	D15 D13	PT	D 017	-
19211	Four Wheels Coupled Bogie Express Engines Class D56 & Six Wheels Coupled Coal Engines Class G58-Sets Steel Steam pipes for Robinson Superheater	3" to 1' details of pipes for superheater, left hand and right hand	30.7.17	1917	D56	D15	PT	D 014	-
19212	-Sets Steam Superheating Elements for Robinson's Superheater	3" to 1' details of three sets of elements Endorsed: also Dg No 19212A for T19; dimensions added 12.2.15	16.3.14	1914	D56 T19	D15 D13	PT	D 014	-
19220	Foundation Ring-Six Wheels Coupled Radial Tanks Engines Class L77	3" to 1' arrangement of foundation ring and full size details of riveting My comment: drawing water damaged	23.3.14	1914	L77	N7	PT	D 036	-
19222	Six Wheels Coupled Radial Tank Engines Class L77-Cast Iron Header for Schmidt Superheater	6" to 1' sectional elevations and plan Endorsed: work to red 18.8.14; see Dg No 19266 for header for Robinson's superheater	- .3.14	1914	L77	N7	PT	D 020	-

19224	Six Wheels Coupled Radial Tank Engines Class L77-Boiler Stays	Full size elevations of 6 types of stay Endorsed: altered for K89 23.8.23	- .4.14	1914	L77	N7	PT	D 054	-
19225	Six Wheels Coupled Radial Tank Engines Class L77-Front Cylinder Cover	Full size section and elevation of cover Endorsed: altered for future covers with bosses cast on 4.35; altered section 7.6.39	22.4.14	1914	L77	N7	PT	D 035	-
19226	Six Wheels Coupled Radial Tank Engines Class L77 Type N7-Piston and Rod	Full size elevations of piston and rod Endorsed: numerous alterations to 9.51; altered for L89 class	22.4.14	1914	L77 K89	N7 N7	PT	D 020	-
19226 Att	Alteration to Piston Head and Rings to suit Superheated Steam	Full size details of alteration My comment: for other dimensions see Dg No 19226	- .9.23	1923	K89	N7	PT	D 055	-
19228	Six Wheels Coupled Radial Tank Engines Class L77-Built Up Crank Axle	3" to 1' elevations of crank axle Endorsed: see Dg No 23155 for K85 11.20; superseded by Dg No 24157 6.8.24	11.5.14	1914	L77	N7	PT	D 042	-
19229	Six Wheels Coupled Radial Tank Engines Class L77-Valve Bushing for Piston Valves	Full size elevations of piston valves and development of ports Endorsed: superseded by Dg No 28375	10.6.14	1914	L77	N7	PT	D 020	-
19231	Six Wheels Coupled Radial Tank Engines Class L77-Valve Chest Covers	Full size sectional and end elevations of front and back covers Endorsed: amended 14.10.14	23.6.14	1914	L77	N7	PT	D 044	-
19231 -I	Valve Chest Covers	Full size elevations, section and plan of cover My comment: N7 with motion arrangements to Dg 25931	- .4.26	1926	-	N7	PT	D 049	-
19233	Six Wheels Coupled Radial Tank Engines L77 Class-Details of Motion	Full size details of components Endorsed: undated alterations	- .7.14	1914	L77	N7	PT	D 085	-
19233 Ren	Details of Motion	Full size elevations, sections and plan of components My comment: for original short valve travel motion	-	-	-	N7	PT	D 085	-
19234	Six Wheels Coupled Radial Tank Engines L77-Cast Steel Motion Plate	3" to 1' elevations and plan of plate Endorsed: undated alterations to dimensions	21.5.14	1914	L77	N7	PT	D 071	-
19234	Cast Steel Motion Plate	3" to 1' elevation, section and plan of plate	- .5.14	1914	L77	N7	PT	D 041	-
19234	Cast Steel Motion Plates	3" to 1" elevation, section and plan of plate My comment: Stores Ordering drawing ordering drawing for castings for short valve travel N7	6.5.14	1914	L77	N7	PT	D 039	-
19235	Six Wheels Coupled Radial Tank Engines Class L77-Type N7-Crosshead	Full size arrangement of crosshead Endorsed: several amendments up to 8.30; superseded by new tracing same number	16.6.14	1914	L77	N7	PT	D 019	-
19235 Part	Cast Steel Crosshead	Full size elevation, section and plan of crosshead Endorsed: diameter of crosshead altered 26.3.26 and 29.1.48; BR steel specification added; recess for bronze liners not required, 25.10.48 My comment: Stores Ordering drawing	- .- ..24	1924	L77	N7	PT	D 035	-
19236	Six Wheels Coupled Radial Tank Engines Class L77-Cylinders	3" to 1' arrangement of cylinders Endorsed: numerous alterations	19.5.14	1914	L77	N7	PT	D 084	-
19236 Att	0. 6. 2 Tank Engines, Type N7 with Motion Arrangement to Drg 25931-Alteration to Cylinders to suit Piston Valve Bushing to Dg No 26360 Valve travel 5 <sup>5</sup> / <sub>8</sub> "	3" to 1' details of cylinder casting My comment: see Dg No 35613 for long valve pattern cylinders for future use 4.46	23.3.26	1926	L77	N7	PT	D 020	-
19238	Six Wheels Coupled Radial Tank Engines Class L77-	6" to 1' arrangement of bracket and full size details of fixing	18.8.14	1914	L77	N7	PT	D	-



	Expansion Bracket							019	
19238	Expansion Bracket	6" to 1' elevation, section and plan of bracket	- .8.26	1926	L77	N7	PT	D 035	-
19239	Six Wheels Coupled Radial Tank Engine Class L77- Steel Smoke Tubes for Superheater	Full size details of tubes 12 per set for L77; 18 per set for K89; K89 added 17.4.23; superseded by Dg No 26501 27.7.26	9.6.14	1914	L77	N7	PT	D 020	-
19241	Six Wheels Coupled Radial Tank Engines Class L77, K85 Reservoir Footplate	3" to 1' sections and elevations of reservoir Endorsed: modified for K85 11.20	26.6.14	1914	L77 K85	N7	PT	D 052	-
19242	Six Wheels Coupled Radial Tank Engines Class L77- Slide Bar	3" to 1' arrangement and full size arrangement details of components Endorsed: amended 31.5.33	16.6.14	1914	L77	N7	PT	D 035	-
19243	Six Wheels Coupled Radial Tank Engines Class L77- Connecting Rod	Full size arrangement with 3" to 1' layouts Endorsed: amended 20.7.21, 7.5.23 and 5.6.25; superseded by Dg No 29825-1 My comment: corner of drawing with date missing	25.6.14	1914	L77	N7	PT	D 079	-
19243 Ren	Connecting Rod	3" to 1' arrangement and 3" to 1' details of rod, strap, bolts, big-end brass, cotter, etc. Endorsed; not checked see Dg No 29825-E-1	-	-	L77	N7	PT	D 071	-
19243 Att	Connecting Rod Strap with Wire Trimmed Oil-Box	Full size detail of strap My comment: superseded by Dg No 29825-1	- .6.26	1926	L77	N7	PT	D 064	-
19244	Six Wheels Coupled Radial Tank Engines Class L77- Coupling Rods and Crank Pins	6" to 1' details of rods Endorsed: altered 1.6.20, 3.3.21 and 20.12.30; superseded by Dg No 30979	9.7.14	1914	L77	N7	PT	D 033	-
19246	Six Wheels Coupled Radial Tank Engines Class L77- Cast Steel Wheels	6" to 1' elevations and section of wheels 4'4" diameter without tyre My comment: Stores ordering tracing	6.7.14	1914	L77	N7	PT	D 073	-
19249 Att 2	Six Wheels Coupled Radial Tank Engines Class K85- Alteration to Front Cab Plate	1 1/2" to 1' elevations of cab plate	- .4.21	1921	K85	N7	PT	D 070	-
19249 Part	Proposed Removal of Locker on Driver's Side of Cab to Give More Clearance when Operating Reversing Wheel	1 1/2" to 1' scrap side elevation of inside of right hand side of cab	- .1.42	1942	-	N7 N7/1 N7/4	PT	D 035	-
19249 -3	Arrangement of Tank Protection Plates	1 1/2" to 1' details of three plates inside side-tanks between two wash plates	- .4.21	1921	K85	N7	PT	D 055	-
19252	Six Wheels Coupled Radial Tank Engines Class L77- Ashpan Details	Full size details of ashpan components	26.10.14	1914	L77	N7	PT	D 059	-
19253	Six Wheels Coupled Radial Tank Engine Class L77- Leading Axlebox	Full size elevations and plan Endorsed: amended 17.11.14 and 27.8.23; for axleboxes with lowered spring gear see Dg No 32291 4.35	- .8.14	1914	L77	N7	PT	D 055	-
19254	Six Wheels Coupled Radial Tank Engines Class L77- Tank Connection Pipes	Full size details of pipes and 3" to 1' view of complete set	5.8.15	1915	L77	N7	PT	D 055	-
19255	Six Wheels Coupled Radial Tank Engines L77- Eccentric Rod Strap	Full size elevations and plan	22.8.14	1914	L77	N7	PT	D 064	-
19256	Six Wheels Coupled Radial Tank Engines Class L77- Cab Front Windows	3" to 1' elevations of window and 6" to 1' details of components	6.10.14	1914	L77	N7	PT	D 052	-
19257	Six Wheels Coupled Radial Tank Engines Class L77- Arrangement and Details of Reversing Gear, Reversing Shaft and Brackets	1 1/2" to 1' arrangement on part elevation and plan of engine and 3" to 1' details of components	18.9.14	1914	L77	N7	PT	D 080	-

19258	Details of Large Westinghouse Pump-Top Cover, Intermediate Piece and Bottom Cover	Full size details of named components	5.11.14	1914	-	-	PT	D 088	-
19259	Six Wheels Coupled Radial Tank Engine Class L77- Trailing Axle	3" to 1' elevation of axle 5'8¾" long	12.5.14	1914	L77	N7	PT	D 042	-
19259 -I Ren	Trailing Axle	3" to 1' elevation and section of axle My comment: Stores Ordering drawing	- .1.35	1935	L77	N7	PT	D 081	-
19260	Cylinders for Large Westinghouse Pump-Steam Cylinder 7½In Diameter, Air Cylinder 8In Diameter	Full size arrangement of cylinders	3.11.14	1914	-	-	PT	D 044	-
19261	Westinghouse Brake-Details of Large Pump	Full size details of many components Endorsed: amended 10.3.15 and 12.4.15	6.11.14	1914	-	-	PT	D 083	-
19262	Frame and Boiler Stay-Six Wheels Coupled Radial Tank Engines Class L77	3" to 1' elevations of tube plate and full size details	28.9.14	1914	L77	N7	PT	D 052	-
19263	Eccentric Sheave	Full size eccentric sheave for short valve travel Endorsed: superseded 7.52; for renewals see Dg No 36786	- .9.14	1914	L77	N7	PT	D 044	-
19264	Six Wheels Coupled Radial Tank Engines Class L77- Trailing Spring	Full size elevations and plan of 13 plate spring 2'11 5/8" centres unloaded	- .9.14	1914	L77	N7	PT	D 072	-
19265	Six Wheels Coupled Radial Tank Engines Class L77- Cab Side Windows	3" to 1' arrangement of cab windows and full size details of components	- .10.14	1914	L77	N7	PT	D 058	-
19266	Six Wheels Coupled Radial Tank Engines Class L77- Cast Iron Header for Robinson's Superheater	6" to 1' elevations and plan of header Endorsed: superseded see Dg No 19158	18.9.14	1914	L77	N7	PT	D 055	-
19267 -A	Steel Steam Pipes for Robinson Superheater	3" to 1' details of pipes Endorsed: for L77 see Dg No 19267	- .10.26	1926	K89	N7	PT	D 055	-
19268	Sets Steam Superheating Elements for Robinson's Superheater	3" to 1' elevations of tube plates and full size details of tubes My note: stores ordering drawing	26.9.14	1914	L77	N7	PT	D 040	-
19269	Six Wheels Coupled Radial Tank Engines Class L77- Steam Pipe Connection	Full size details of connection Endorsed: see Dg No 23351 for cast iron steam pipe connection for K85	- .10.14	1914	L77 K85	N7	PT	D 052	-
19270	Leading Sand Box & Splasher	3" to 1' arrangement of box and full size details of components	- .10.14	1914	L77	N7	PT	D 070	-
19271	Six Wheels Coupled Radial Tank Engines Class L77- Piston Valve and Spindle for Engines Fitted with Robinson's Superheater	Full size elevations and details Endorsed: for piston valves with narrow rings and spindle for engines class K85 see Dg No 22806	14.10.14	1914	L77 K85	N7	PT	D 006	-
19273	Six Wheels Coupled Radial Tank Engines Class L77- Tank Stays	Full size details of two types of stay	16.10.14	1914	L77	N7	PT	D 006	-
19273 Att	Tank Stays	Full size details of stays on firebox, originally left hand and right hand side similar, right hand later altered	- .8.23	1923	K89	N7	PT	D 060	-
19274	Six Wheels Coupled Radial Tank Engines Class L77- Details of Cylinder Cock Gear	Full size details of components	21.10.14	1914	L77	N7	PT	D 086	-
19276	Six Wheels Coupled Radial Tank Engines L77 Class- Details of Condensing Gear	6" to 1' details of numerous components	16.11.14	1914	L77	N7	PT	D 069	-
19277	Asbestos Clothing	1½" to 1' details of asbestos mats and millboard My comment: Stores Ordering drawing; for K85 see Dg No 22875	- .10.14	1914	L77	N7	PT	D 047	-

19278	Six Wheels Coupled Radial Tank Engines Class L77- Brake Details	3" to 1' details of rods, brackets and handwheel Endorsed: altered 27.10.20; for brake details L85 see Dg No 23148 and 23149	17.11.14	1914	L77 K89	N7	PT	D 072	-
19279	Six Wheels Coupled Radial Tank Engines Class L77- Leading and Trailing Sanding Gear Details	Full size details of numerous components	10.11.14	1914	L77	N7	PT	D 072	-
19280	Six Wheels Coupled Radial Tank Engines Class L77- Spark Deflector and Draught Retarder Details	6" to 1' details of components Endorsed: altered 16.9.15 for engines fitted with short blast pipe to Dg No 20249; altered 10.12.20 for variations for class K85	30.11.14	1914	L77	N7	PT	D 046	-
19280	Details of Spark Deflector on Blast Pipe	6" to 1' details of components My comment: usual form of spark deflector	- .10.23	1923	K89	N7	PT	D 064	-
19281	Six Wheels Coupled Radial Tank Engines Class L77- Rod, Pipe, Clothing, Steam Heating and Mechanical Lubricating Detail	1½", 3" and 6" to 1' and full size details of numerous components Endorsed: altered 5.6.25	2.12.14	1914	L77	N7	PT	D 049	-
19282	Six Wheels Coupled Radial Tank Engines Class L77- Spring Gear Details	6" to 1' and full size elevations of 7 components Endorsed: modified 5.35	17.11.14	1914	L77	N7	PT	D 072	-
19282 -1	Leading and Intermediate Spring Hangers L77 Class- Alteration to Limit Drop of Spring in the Event of Breakage of Centre Hanger	Full size elevation of spring hanger	8.10.31	1931	L77	N7	PT	D 071	-
19282 -2	Spring Gear Details	6" to 1' and full size details of 14 components Endorsed: spring rubbers altered.5.35 My comment: duplicate copy master	- .4.26	1926	L77	N7	PT	D 033	-
19283	Six Wheels Coupled Radial Tank Engines Class L77- Arrangement of Cylinder Clothing	3" to 1' elevations and plan of clothing for cylinders to Dg No 19236	20.11.14	1914	L77	N7	PT	D 006	-
19284	Six Wheels Coupled Radial Tank Engines Class L77- Steam Pipe Connection on Boiler	Full size elevations and section Endorsed: cancelled see Dg No 19287	23.11.14	1914	L77	N7	PT	D 042	-
19285	Six Wheels Coupled Radial Tank Engines L77 Class- Footboard	1½" to 1' elevations and plan of footboard inside cab	10.12.14	1914	L77	N7	PT	D 036	-
19286	Six Wheels Coupled Radial Tank Engines L77 Class- Cast Iron Footstep for Flap Plate	Full size elevations and plan	16.1.15	1915	L77	N7	PT	D 065	-
19287	Six Wheels Coupled Radial Tank Engines L77 Class- Steam Pipe Elbow with Snifting Valve Connections	Full size elevations and plan of elbow	- .1.15	1915	L77	N7	PT	D 052	-
19297	Dewrance's Asbestos Packed Steam Cock for Mechanical or Sight Feed Lubricator	Full size elevations and plan	20.4.14	1914	-	-	PT	D 035	-
19338	Sketch Showing Alteration Required to Heater, as Shown on G & J Weir's Dg No 35419	1½" to 1' details of alteration showing feed heater in side-tank	- .4.14	1914	G69	F6	PT	D 050	-
19341	Sketch Shewing Larger Pipe from Retarder Cock to Retarder Pipes of Robinson's Superheater for Engine No 1514	3" to 1' details of pipework My comment: see Dg No 18774 for arrangement of superheater	24.4.14	1914	S69	B12	PT	D 026	-
19362	Six Wheels Coupled Express Engines Class S69- Supports for Piston Valves	3" and 6" to 1' section and plan of pistons and details of components Endorsed: altered 1.9.21 and 9.11.31	17.6.14	1914	S69	B12	PT	D 021	-
19364	Ash Deflector for Engines D56 Class	3" to 1' plate work and fixing bolts	- .5.14	1914	D56	D15	PT	D 022	-
19373	Mid Suffolk Light Railway Boiler No 2-Copper Tube	3" to 1' end elevation of tube plate with 104 2" outside diameter	- .6.14	1914	-	-	PT	D	-

	Plate	tubes						080	
19374	Sketch of Boiler for Tube-Cleaning Apparatus	1½" to 1' outline sketch showing position of steam cocks on firebox top and smokebox front but no reference to apparatus	- .6.14	1914	D56	D15	PT	D 058	-
19388	Steam Cock for Retarder-'Robinson' Superheater Engs. D56 Class-B78	Full size elevations and details Endorsed: work to attachment for D56 class repaired with single wrapper smokeboxes 25.10.17; amended dimensions for D78 class	- .6.14	1914	D56 B58	D15 B12	PT	D 072	-
19388 Att	Steam Cock for Retarder-'Robinson' Superheater-Six Wheels Coupled Radial Tank Engine L77	Full size elevations and plan of cock Endorsed: added to title 31.5.15-'and Express Engines T19 Class'; amended 25.10.17 for D56 with single wrapper smokeboxes; amended dimensions for classes T77, D81 undated	18.11.14	1914	L77 T19 D56 T77 D81	N7 D13 D15 J19 J20	PT	D 055	-
19396	Four Wheels Coupled Shunting Tank Engines Class B77-Front Cab Windows	3" to 1' arrangement of windows and full size details of components Endorsed: steel communication chain to be used in place of brass chain	29.6.14	1914	B77	Y4	PT	D 001	-
19399	Engine Tyre Sections	Full size sections of thick and thin tyres	- .6.14	1914	-	-	PT	D 067	-
19416	Four Wheels Coupled Bogie Express Engines D56 Class Fitted with Robinson Superheater-Position and Details for Thermocouple for Pyrometer in Header	6" to 1' arrangement of thermocouple and full size details Endorsed: altered for L77 and T19 Belpaire, F48 Class 15.2.16	13.7.14	1914	T19 F48 D56 L77	D13 J16 D15 N7	PT	D 010	-
19417	Thin Flange Section	Twice full size profile of thin engine flange and rail shown Copy of Midland Dg No S-2129 & GWR Dg No 43238E	9.7.14	1914	-	-	PT	D 025	-
19418	Thin Flange Section	Twice full size profile of thin engine flange and rail. Copy of Midland Dg No S-2130 and GWR Dg No 43238F	9.7.14	1914	-	-	PT	D 025	-
19419	Thin Flange Section	Twice full size section of thin flange between running rail and check rail Copy of Midland Dg No S.2131 and GWR Dg No 43288G	9.7.14	1914	-	-	PT	D 087	-
19422	Cast Steel Buffer Plungers	Full size drawing for castings My comment: drawing titled 'GER' despite date	- .9.25	1925	-	-	PT	D 042	-
19423	Cast Steel Buffer Casings	Full size drawing for castings of 'stepped' profile casing My comment: drawing titled 'GER' despite date	- .9.25	1925	-	-	PT	D 042	-
19441	Arrangement and Details of Injector Delivery into Dome	3" to 1' arrangement and full size sections of dome, top-feed clack and delivery tray and details of clack mounting flange and pipe brackets Endorsed: top feed not required; for side feed see Dg No 18544	- .7.14	1914	B74	Y4	PT	D 001	-
19525	S56 & S44 Class Engines Under S.E.&C.R. Maximum Construction Gauge for War Office Ambulance Trains	1½" to 1' two cross sections, outline of engine and gauge My comment: war was declared 4.8.14	10.8.14	1914	S56 S44	J69 G4	PT	D 012	-
19539	Bogie Six Coupled Express Engines S69 Class-Tightening Bolt for Front Cylinder Cover	6" to 1' and full size details of cover and bolt Endorsed: altered 16.11.16 & 4.35	18.8.14	1914	S69	B12	PT	D 005	-
19539 Part	Front Cylinder Cover	6" to 1' elevation and section of cover Endorsed: altered 4.35; bosses added for extraction bolts	- .11.19	1919	S69	B12	PT	D 005	-
19550	4-4-0 Express Engines T19 Class-25In Stroke Without Tail Rods-Front Cylinder Cover for Engines fitted with Superheater	Full size sectional elevations and plan Endorsed: for existing superheater see Dg No 17227	- .8.14	1914	T19	D13	PT	D 047	-

19560	1900 Belpaire (D56) Class Engines-End Profile Diagram	½" to 1' diagram showing view from tender showing principal dimensions	26.8.14	1914	D56	D15	PT	D 082	-
19570 Part	Steel Disc for "Iracier" Tender Axlebox	Full size axlebox 11" in diameter My comment: "Iracier" axleboxes used on some 3500 gallon large tenders	23.1.24	1924	-	-	PT	D 028	-
19619	Bending Moment Diagram of Proposed Six Wheels Coupled Express Goods Engines on 58 Ft Span	1" to 8' and 1" to 160 Tons Feet bending moment diagram; 5' 6" dia driving wheels; tender shown with 4 small wheels and 2 large	10.9.14	1914	-	-	PT	D 071	-
19625	Six Wheels Coupled Coal Engines Class G58-Tee Piece for Steam Pipe Connections	3" to 1' elevations and sections of two components Endorsed: for steam pipes see Dg No 19211	- . 9.14	1914	G58	J17	PT	D 077	-
19628	Details of Radial Axle Box for Tank Engines Classes P55, L77 & G69	3" to 1' elevations and sections of numerous components Altered: 19.12.14	- . 10.14	1914	P55 L77 G69	F5 N7 F6	PT	D 071	-
19628 Att	Fabricated Box for Spring Shoe Bearing Plate	Full size details of box Endorsed: prepared at shops request for repairs to axlebox when C.I. box is fractured	- .10.51	1951	-	N7 F4 F5 F6	PT	D 054	-
19629	Box for Electrical Resistance for Auto Train Control	Full size detail of wooden box My comment: no indication of location	- .9.14	1914	Y65	F7	PT	D 077	-
19721	Diagram showing GCR 2-8-0 Engine and Tender on a Span of 58Ft	1 to 8' and 1" to 160 Tons Feet bending moment diagram	- . 10 .14	1914	-	-	PT	D 080	-
19739	Arrangement of Spark Deflector on Smokebox Door for all Engines fitted with 4 Ft 7 Ins Dia Doors	3" to 1' section and elevation of smokebox door and arrangement of deflector Endorsed: for other dimension see Dg No 16495	24.11.14	1914	-	-	PT	D 088	-
19797	Reducing Valve for Steam heating Apparatus	Full size arrangement details of numerous components Endorsed: altered 18.4.21 & 8.3.34, possibly the 'Mason' type	- .2.15	1915	-	-	PT	D 072	-
19802	Six Wheels Coupled Bogie Express Engines Class B78-Crank Axle	3" to 1' elevations of steel axle Endorsed: altered 7.25 My comment: Stores ordering tracing	24.11.14	1914	B78	B12	PT	D 004	-
19810	Superheater Elements for Robinson's Superheater	3" to 1' arrangement and full size details of elements and spacing diagrams for smokebox and firebox tubeplates and clips My comment: Stores Ordering drawing	- .11.14	1914	B78	B12	PT	D 004	-
19819	Tools for Extracting Tubes from Header of Robinson Superheater	Full size details of six (?) tools My comment: former SDO5103 (attachment) copied 3.27	- .11.14	1914	-	-	PT	D 026	-
19821 Att	Arrangement and Details of Stuffing Box for Valve Spindle Showing Split White Metal Packing	Full size sectional elevation, elevation and plans of 5 components	- .12.14	1914	I45 S45 X45 P55	J15 F4	PT	D 075	-
19821 Att	Arrangaement and Details of Stuffing Box for Valve Spindle Showing Split White Metal Packing	Full size arrangement and details	- .7.50	1950	-	F4 F5 F6 J15	PT	D 074	-
19821 Part	Steel Spring for Metallic Packing for Valve Spindles	Full size detail of spring	- .11.25	1925	Y14 P55	J15 F5	PT	D 076	-
19822	Bogie Six Wheels Coupled Bogie Express Engines	Full size elevations and plan of components	6.1.15	1915	B78	B12	PT	D	-

	B78, S69 Class-Piston Valves and Pistons Fitted with Robinson' Superheater	Endorsed: altered 6.3.16, 27.5.22; altered for T77 class, slipper not required			T77	J19		026	
19822 Att 1	Six Wheels Coupled Bogie Express Engines Class B78 and Coal Engines Class T77 Fitted with Robinson's Superheater-Steel Cover Plate for Piston Valve	Full size elevation and plan of cover	- .1.21	1921	B78 T77	B12 J19	PT	D 014	-
19822 Att 2	Six Wheels Coupled Bogie Express Engines Class D56-10In Robinson Type Piston Valve with Pressure Relief Valves	Full size elevation and plan of cover	- .3.24	1924	D56	D15	PT	D 041	-
19873	Six Coupled Goods Engines Y14 Class and four Coupled Radial Tank Engines P55-Slide Valve Spindle	Full size elevation and plan of spindle	- .1.15	1915	Y14 P55	J15 F5	PT	D 073	-
19874	Six Wheels Coupled Bogie Express Engines S69 Class-Cast Iron Header for Robinson's Superheater	3" to 1' elevations and sections and headers and two fittings Altered 4.11.26 and 23.10.54 Endorsed: see renewal drawing same number	- .1.15	1915	S69	B12	PT	D 019	-
19874 Ren	Header for 5 Ins Regulator	3" to 1' details of superheater header for Robinson's superheater Endorsed: for S69 originally, then D16, J20 and later boilers 'D&J' to Dg No 29803; drawing not checked; retraced 12.56	- .1.15	1915	S69 H88 D81	B12 D16 J20	PT	D 020	-
19877 Att	Bogie Four Coupled Belpaire Express Engine D56- Alteration to Suction and Steam Heat Pipes for engines Fitted with Weir Feed Pump and Heater	1/8" to 1' part side elevation and plan of splasher showing route of steam heating pipe	26. 2.15	1915	D56	D15	PT	D 020	-
19877 Att	Four Wheels Coupled Bogie Express Engines D56 Class-Alteration for Engines with Superheater and Weir Pump	1 1/2" to 1' details of alteration Endorsed: see Dg No 23892 for blast pipe	23.1.23	1923	D56	D15	PT	D 020	-
19880	Six Wheels Coupled Express Engines Class S69- Arrangement of Pipes and Gear for Davies and Metcalfe's No 10 Exhaust Steam Injector	1 1/2" to 1' elevations and plan of gear Endorsed: altered 5.36	- .1.15	1915	S69	B12	PT	-	-
19892	Superheater Pipes	1 1/2" to 1' details of five sets of 21 pipes with 3 elements My comment: The Superheater Corporation Ltd.	- .12.14	1914	-	-	PT	D 057	-
19894	Sketch of Footstep T18 Class Engines	1 1/2" to 1' full details of footstep only	18.12.14	1914	T18	J66	PT	D 017	-
19906 Ren	Horn Block and Axle Box	6" to 1" elevations and plan and section of components Endorsed: altered 19.4.55	25.6.53	1953	-	B12/3	PT	D 004	-
19906	Trailing Hornblock and Axlebox with Controlling Springs	6" to 1' general arrangement of hornblock and axlebox, detail drawing of components Endorsed: various alteration to 10.52	- .2.15	1915	S69	B12	PT	D 005	-
19906 Att	Pivoted Cover for Oil-Hole in Trailing Axlebox	6" to 1' elevation and plan of axlebox and full size detail of oil-hole cover	- .4.24	1924	S69	B12	PT	D 004	-
19906 -1	Trailing Axlebox	6" to 1' sectioned elevations of axlebox Endorsed: some dimensions altered in red to allow for finishing allowance; see also later drawing, same number	- .6.19	1919	S69	B12	PT	D 004	-
19906 -1	Alteration to Trailing Axlebox-1500 Class Engines	6" to 1' elevations of axlebox Endorsed: altered lubrication, added in red, 8.9.27	- .11.22	1922	S69	B12	PT	D 004	-
19906 -2	Trailing Hornblock (Cast Steel)	6" to 1' elevations and section of hornblock Endorsed: renewal tracing, original lost	- .11.43	1943	-	B12	PT	D 004	-
19913	Six Coupled Goods Engines E72 Class-Casting to	6" to 1' elevations and plans of various components for classes E72	27.1.15	1915	D56	D15	PT	D	-

	Take Snifting Valve on Engine No 1240 (E72 Class Fitted with Weir Pump and Feed Water Heater	and D56 Endorsed: altered 26.2.15			E72	J18		026	
19913 Att	Six Coupled Goods Engines E72 Class-Details of Pipes and Fastenings for Weir Feed Water Heater	6" to 1' elevations and plans of various components	9.3.15	1915	E72	J18	PT	D 026	-
19933	Four Wheels Coupled Express Engines Class T19- Alterations to Lubrication of Trailing Axle Box	6" to 1' arrangement of lubrication and full size details of components Endorsed: for alteration of lubrication pipes see Dg No 21946; see Dg No 10461 Att	8.3.15	1915	T19	-	PT	D 052	-
19941	Diagram Showing Profile of Engine Tyre on Rail	Full size profile of tyre	- .2.15	1915	-	-	PT	D 053	-
19953	Sets of Steel Steam Pipes for Robinson Superheater	3" to 1' details of pipes My comment: Stores Ordering drawing ?	- .2.15	1915	T19	-	PT	D 052	-
19954	Four Wheels Coupled Express Engines Class D56- Proposed Alteration to Blower Pipe Ring	6" to 1' details of ring	- .2.15	1915	D56	D15	PT	D 022	-
19955	Bogie Six Coupled express Engines S69 Class-Details of No 10 Exhaust Steam Pipe Injector-Details of Gear	3" and 6" to 1' and full size elevations and sections of numerous components	8.3.15	1915	S69	B12	PT	D 054	-
19962	Alteration to Blower Pipe	3" to 1' outline elevation of smokebox tube plate and section showing blower	17.2.15	1915	D56	D15	PT	D 028	-
19984	Bogie Six Coupled Express Engines S69 Class with Robinson's Superheater- Thermo-Couple (Pyromoter) Arrangement of Connections to Header and Smokebox	6" to 1' and full size sections and elevations of arrangement and details of components for Robinson's superheater Endorsed; not carried out	8.3.15	1915	S69	B12	PT	D 067	-
19985	Alteration to Injector Arrangement on 0-6-0 Tan Engines	1 1/2" to 1' part elevations and plan of trailing end of engine showing layout of pipework Endorsed: altered 12.9.23	30.3.15	1915	S56	J67 J68 J69	PT	D 037	-
19991	Six Wheels Coupled Tank Engines Class R24, S56- Alteration to Lubrication of Trailing Axlebox	6" to 1' arrangement with full size details of existing and new boxes	6.4.15	1915	S56	J67 J68 J69	PT	D 013	-
19994	Steel Steam Pipes for Robinson Superheater	3" to 1' details of pipes	- .3.15	1915	T77	J18	PT	D 055	-
19995	Injector Steam Cock for Engines with No 10 Exhaust Injector	Full size sectional elevation of injector valve	- .3.15	1915	S69	B12	PT	D 069	-
19995 Att	Injector Steam Cock Valve for Engines fitted with No 10 Exhaust Injector	Full size detail of spindle	- .2.20	1920	S69	B12	PT	D 069	-
19998	Water Gauge Columns for Engs Y14 & T18 Classes	Full size outline arrangement of columns Endorsed: for separate tracings for Y14 & T18 see Dg No 19998-1 & 2, respectively	- .3.15	1915	Y14 T18	J15 J66	PT	D 075	-
19998 -1	Water Gauge Columns for Engines Y14 Class	Full size dimensioned outline drawing of columns	- .2.21	1921	Y14	J15	PT	D 073	-
19998 -2	Water Gauge Columns	Full size outline arrangement of columns without sections	- .2.21	1921	T18 S44	J65 J66 J67 J68 J69	PT	D 046	-

						G4			
20012	Four Wheels Coupled Bogie Express Engines Class D56-Flexible Metallic Feed Pipe and Connection Fittings between Engine and Tender	3" to 1' arrangement of pipe and connections and 6" to 1' details	27.4.15	1915	D56	D15	PT	D 029	-
20018	Express Engines D56 (D15) Class Coal Engines G58 E72 Classes (J17 & J18)-Sets Steel Steam Superheating Elements for Robinson Superheater	3" to 1' and full size details of elements	16.3.21	1921	D56 G58 E72	D15 J17 J18	PT	D 029	-
20018 A	Sets Steel Steam Superheating Elements for Robinson Superheater	3" to 1' arrangement of elements and full size details My comment: Stores Ordering drawing	- .3.21	1921	T19	D13	PT	D 080	-
20018 B	Sets Steel Steam Superheating Elements for Robinson Superheater	3" to 1' arrangement of elements and full size details My comment: Stores Ordering drawing			K89	N7			
20032 Att	Six Wheels Coupled Goods Engines Class G58 with Robinson's Superheater-Addition to Framing and Alterations to Smokebox Front Plate and Flap Plate	3" to 1' side and front elevation of smokebox front plate	1.11.15	1915	G58	J17	PT	D 025	-
20054	Brick Arches in Firebox	Unscaled sketch and description of brick arch My comment: sketch shows a small and very old type of firebox	- .4.15	1915	-	-	PT	D 052	-
20057	Six Wheels Coupled Bogie Express Engines B78-Arrangement and Details of Alterations to Blast Pipe and Spark Deflector Gears	3" to 1' views of smokebox and cab showing alterations	3.5.15	1915	B78	B12	PT	D 025	-
20062	Diagram of Boiler-M15 Class	1/2" to 1' elevations	- .4.15	1915	M15	F4	PT	D 050	-
20081	Proposed Air Pipe Connection from W.H. Pump to Reservoir	Full size elevations, section and plan of connection Endorsed: Mr Hill saw this and decided that the slight alteration which was being made to the dies for flanging the collar should meet the case and he would not try this at present. F.D. 13.5.15	6.5.15	1915	-	-	PT	D 039	-
20114	No 10 Loco Exhaust Steam Injector Class D-Latest Improved Type	6" to 1' outline elevations, section and plan of injector Copy of Davies & Metcalfe Ltd. Dg No 2465	- .12.17	1917	-	-	PT	D 057	-
20131	Details of Spark Deflector Gear & Stones Blast Pipe Gear	6" to 1' and full size details of deflector and support Endorsed: work to red for G58 engines with Blast Pipe to Dg No 23892 16.10.24	- .7.15	1915	G58	J17	PT	D 071	-
20142	Piston Rod & Valve Spindle Stuffing Boxes	Full size details of boxes	- .6.15	1915	S46	D14	PT	D 039	-
20153	Table Showing Dimensions of Piston Rods	Table of dimensions for various classes with drawing numbers, divided into two diagrams Class T19 Dg No 8681 Class T19 Sup Dg No 18547 Class T26 Dg No 14993 Class S46 Dg No 10936 Class D56 Dg No 11433 Class D56 Dg No 18561 Class D56 Sup Dg No 17530 Class S69 Dg No 17229 Class Y14 Dg No 14993 Class N31 Dg No 14993	- .5.15	1915	-	-	PT	D 076	-



		Class f48 Dg No 10936 Class E72 Dg No 17229 Class D81 Dg No 17229 Class G15 Dg No 6327 Class N17 Dg No 6327 Class 209 Dg No 10248 Class G40 Dg No 10248 Class 229 Dg No 11445 Class T18 Dg No 7127 Class S56 Dg No 7127 Class G75 Dg No 7127 Class E22 Dg No 7711 Class C32 Dg No 14993 Class S44 Dg No 14993 Class G69 Dg No 14993 Class C53 Dg No 11684 Class P55 Dg No 14993 Class Y65 Dg No 16652 Class B74 Dg No 18502 Class L77 Dg No 19226 Class M15R Dg No 9392							
20408	Four Wheels Bogie Express Engines Nos 1790 – 1889-Arrangement and Details of Screens to Prevent Searchlight Effect from Firehole	1½” to 1’ and full size elevations of cab side and tender front, and details of canvas screens My comment: World War I blackout precautions	4.10.15	1915	D56 S46	D15 D14	PT	D 003	-
20408 Att 1	Six Wheels Coupled Goods Engines Class G58 E72 L52-Screens for Preventing Search-light Effect from Fire-Hole	1½” to 1’ elevations of two types of screen Endorsed: 80 sets to this 18.10.15, complete with top side screens shown on Dg No 20408; see Dg No 20408 for other dimensions and screens	5.10.15	1915	G58 E72 L52	J17 J18	PT	D 016	-
20408 Att 2	Six Wheels Coupled Bogie Express Engines S69 Class Firehole Glare Screens	1½” to 1’ elevations of cab/tender canvas screens and side canvas screens and method of fixing to cab My comment: World War I blackout precautions; see Dg No 20408 for other dimensions	7.10.15	1915	S69	B12	PT	D 004	-
20408 Att 3	Six Wheels Coupled Good (sic) Engines F48 Class, with 6’9” wide Cabs, S23 Class Tenders, H14 Class Tenders 3066 Gallons-Screens for Preventing Searchlight Effect from Firehole	1½” to 1’ elevations of screens made from canvas in three sections	15.10.15	1915	F48 H14 Z14 S23	J16	PT	D 015	-
20410	Arrangement & Details of Screens to Prevent Searchlight Effect from Firehole	1½” to 1’ elevations of screens My comment: 90 for T26 with standard tender; 18 for N31 (including 999) with standard tender; 5 for N31 with H14 tender 3066 gallons; 1 for N31 with H14 tender 2755 gallons	- .10.15	1915	T26 N31	E4 J14	PT	D 057	-
20444	Curtains for Back Cab Windows on Tank Engines	6” to 1’ details of curtains for engines with round windows	- .10.15	1915	-	-	PT	D 064	-
20449	Four Wheels Coupled & Six Wheels Coupled Tram Engines-Window Curtains and Side Screens	1½” and 3” to 1’ and full size elevation of window curtain and side screen and details of curtain rod and rings My comment: World War I blackout precautions	- .10.15	1915	G15 C53	Y6 J70	PT	D 001	-

20454	Curtains for Bunker Windows on Tank Eng's for Preventing Glare from Firehole	3" to 1' and full size details of curtain and rod in relation to outline of window and cab	- .10.15	1915	G69 G75 L77 A67	N7 F6 J68	PT	D 046	-
20456	Arrangement of Firehole Glare Screens	1½" and 3" to 1' elevations of cab and T46 round-top tender profile and details of screens My comment: for engine Nos 1890-1895; 1897, 1899 and 1900; No 1900 shown separately on Att 3	- .10.15	1915	S46  T46	D14	PT	D 044	-
20456 Att 1	Arrangement of Firehole Glare screens	1½" and 3" to 1' elevations of cab and tender profile My comment: two sets of screens to this arrangement for engine Nos 1896 and 1898	- .10.15	1915	S46 T46	D15	PT	D 044	-
20456 Att 2	Four Wheels Coupled Mixed Traffic Engines T26 Class with T46 Tender Nos 1250 to 1259- Arrangement of Firehole Glare Screens	1½" and 3" to 1' details of canvas screens, fittings and arrangement My comment: ten sets prepared; see Dg No 20408 for hook 'D' and 'A'; see Dg No 20409 for roof clips	3.11.15	1915	T26  T46	E4	PT	D 015	-
20456 Att 3	Firehole Glare Screens	1½" to 1' details of canvas blackout screens My comment: for engine No 1900, with A53 tender	- .12.15	1915	S46 A53	D14	PT	D 044	-
20475	Proposed Staying of Middle Firebar Bearers	Full size details of staying	- .10.15	1915	S69	B12	PT	D 042	-
20477	Glare Curtains and Screen for Yard Engine 'A'	3" to 1' elevation of back of cab showing profile, cab window, and coaling hole. My comment: curtains over cab windows and plate over coal hole	- .11.15	1915	204	J92	PT	D 064	-
20531	Sections of Engine Tyres	Full size; two types shown, one for wagons	18.11.15	1915	-	-	PT	D 026	-
20585	Six Wheels Coupled Tank Engines Class T18 fitted with Mechanical Lubrication to Axleboxes-Proposed Arrangement of Oil Grooves	Full size details of oil grooves with two connections in top of box	- .1.16	1916	T18	J66	PT	D 056	-
20601	Sections of 10" Piston Valves	Full size sections of Schmidt; Robinson; Knorr and PLM types My comment: only Knorr has four narrow rings	- .1.16	1916	-	-	PT	D 041	-
20603	Four Wheels Coupled Bogie Express Engines S46 Fitted with Superheater-Alteration to Vacuum Brake Arrangement S46 Class	1½" to 1' arrangement shown in cab and 6" to 1' details of components	7.1.16	1916	S46	D14	PT	D 026	-
20603 Part	Steel Tubes for Vacuum Brake	Full size details of pipe through 'shoulder' of firebox for ejector exhaust My comment: class shown as S46 on drawing, taken to mean D56	- .1.16	1916	D56	D15	PT	D 068	-
20603 Part	Longitudinal Stay Tube	Full size details of tube My comment: fitted through corner of Belpaire firebox for vacuum ejector?	- .3.19	1919	G58	J17	PT	D 042	-
20614	Section of Triple Valve Showing Additional Plunger and Spring	Full size sectional elevation of plunger and spring undimensioned. My comment: no explanation of function, but it appears to be to 'cushion' piston on full brake application. Plunger and spring appear in later descriptions of triple valves	- .1.16	1916	-	-	PT	D 057	-
20615	Six Wheels Coupled Goods Engines G58 Class (Non Superheaters)-Steam Pipe Connection and Steam Pipe (for Engines Fitted with Cylinders as Altered for Superheater Engines)	3" to 1' elevations of pipe and connections	19.1.16	1916	G58	J17	PT	D 064	-

20616	Eccentric Strap Bolts and Axle Box Pins	Full size details of pins My comment: part copy Dg Nos 7452, 9341 and 3201	- .1.16	1916	T19 Y14	D13 J15	PT	D 076	-
20617	Piston Heads for Rebores Cylinders	Full size detail of head, 1' 5 <sup>9</sup> / <sub>16</sub> " or 1' 5 <sup>5</sup> / <sub>8</sub> "	- .1.16	1916	Y14	J15	PT	D 075	-
20673	Goods Engines F48 Class with Boilers with Round Top Fireboxes replaced by Belpaire Boilers- Proposed Expansion Bracket to Suit	6" to 1' elevation, section and plan of bracket and full size details	- .1.16	1916	F48	J17	PT	D 056	-
20683	Six Wheels Coupled Bogie Express Engines S69 Class-Arrangement and Details for Steam Jet Attachment for Wakefield's Mechanical Lubricator	1 ½" to 1' arrangement on part outline elevation and plan of engines and full size details of components Endorsed: altered 22.11.20	- .2.16	1916	S69	B12	PT	D 039	-
20683	Seating for Valve for Anti-Carboniser for Wakefield Mechanical Lubricator	1 ½" to 1' plan of firebox showing position and full size elevations of valve seating Endorsed: altered 30.5.28, thread pitch altered; see Dg No 23722 for flange of Dewrance's ½" patent Renewable Stop Valve	- .5.19	1919	S69	B12	PT	D 018	-
20700	Six Wheels Coupled Goods Engine Class Y14 Fitted with Steam Brake-Details of Electro-Mechanical Train Control	1 ½", 3" & 6" to 1' and full size details of numerous components	- .2.16	1916	Y14	J15	PT	D 086	-
20700 Att	Six Wheels Coupled Goods Engines Class Y14 Fitted with Steam Brake-Details of Resetting Gear for Absolute Stop Electro Mechanical Train Control	6" to 1' details of 6 components	- .6.19	1919	Y14	J15	PT	D 073	-
20712	Diagram Showing the Various Lengths of Connecting Rods & Coupling Rods	Tables of lengths giving engine numbers for the various classes	- .4.16	1916	-	-	PT	D 059	-
20712 Ren	Particulars of Connecting Rod & Coupling Rod Centres	Tables of lengths for all classes shipped at Stratford My comment: renewal of Dg No 20712, dated 4.16	- .10.52	1952	-	-	PT	D 059	-
20728	Alteration to Front Slide Bar Bolts Class S69 Engines	Full size elevations and plan of alterations Endorsed: altered 23.12.21 and 28.1.22	- .3.16	1916	S69	B12	PT	D 067	-
20747	Proposed WHB Reservoirs for Engines (Adapted from Spare Gas Reservoirs for Carriages)	6" to 1' sectional elevations of 1'4" diameter cylinder with new fittings Endorsed: not carried out	27.3.16	1916	-	-	PT	D 056	-
20798	Union Joints for Pipes	Full size chart of dimensions of unions sizes 2" – 3 <sup>3</sup> / <sub>16</sub> "	- .5.16	1916	-	-	PT	D 057	-
20846	1 Set of Copper Firebox Plates-3 Plates to One Set	1 ½" to 1' details of three plates for Caledonian engine Copy of drawing from Caledonian Railway	13.6.16	1916	-	-	PT	D 025	-
20900	Six Wheels Coupled Goods Engines E72 Class- Alteration to Sand Boxes to Suit New Pattern Sand Trap for Lambert's Water Sanding	3" to 1' sections and plans of sandbox Endorsed: for leading sandbox alteration for T77 see Attachment 20900 27.6.16; altered 18.7.16	10.6.16	1916	E72	J18	PT	D 025	-
20900 Att	Six Wheels Coupled Goods Engines T77-Alteration to Leading Sandboxes with Existing Bottoms (Dg No 18034) to Suit New Pattern Sand Traps	3" to 1' details of alteration	27.6.16	1916	T77	J19	PT	D 025	-
20902	Method of Blanking Side Passages of Stone's Blast Pipe	6" to 1' details	- .6.16	1916	-	-	PT	D 057	-
20922	No 40 Combination Ejector Type C with Steam Brake Valve	Full size elevations, section and plan of left hand ejector Copy of The Vacuum Brake Company's Dg No 10385	- .6.16	1916	-	-	PT	D 045	-
20928	Six Wheels Coupled Goods Engines T77-Steel Tube Thro Firebox from Vacuum Ejector	Full size section of tube and elevations of distance pieces and 3" to 1' external elevation of tube	22.6.16	1916	T77	J19	PT	D 057	-

20937	Six Wheels Coupled Goods Engines Class T77- Arrangement of Vacuum Brake Pipes	1½" to 1' arrangement shown on outline elevations and plan of engine and 6" to 1' details of elbows	- .7.16	1916	T77	J19	PT	D 046	-
20963	Six Wheels Coupled Goods Engines Class T77- Arrangement and Details of Spark Arrestor and Blast Pipe Gear	3" to 1' arrangement and 6" to 1' details of components	- .7.16	1916	T77	J19	PT	D 017	-
20978	Proposed Alteration to Steam Brake Control Lever	Full size details of alteration to catch. My comment: for steam brake valve attached to vacuum ejector	- .7.16	1916	T77	J19	PT	D 039	-
21095 Att	Arrangement of Speed Controller for Syx Electro-Mechanical Train Control	1½" to 1' elevations, section and plan of controller My comment: driven by a 'vee' pulley and belt from trailing wheel; appears to be connected to a whistle	- .1.21	1921	G69	F6	PT	D 064	-
21119	Six Wheels Coupled Goods Engines T77 Class- Alteration to Steam Brake Handle on Vacuum Ejector	Full size outline of ejector and details of handle	29.8.16	1916	T77	J19	PT	D 017	-
21124	Copper Firebox Plates	½" and 1½" to 1' details of plates for Caledonian Railway Tank Engine No 426, an 0-6-0T with 18" x 26" cylinders, built 1907 Copy of Caledonian Railway drawing for firebox No 13923	- .9.16	1916	-	-	PT	D 039	-
21138	Vacuum Brake Pipe and Bends	Diagrammatic three part drawing listing 17 different pipes and illustrating the six which have bends in them My comment: P55 engines with G69 boiler. G69 engines to red	25.9.16	1916	P55	F6	PT	D 016	-
21139	Steel Tubes for Vacuum Brake	1½" and 3" to 1' details of two types of external exhaust pipe to smokebox My comment: for P55 class engines with G69 boiler	25.9.16	1916	P55	F4	PT	D 027	-
21140	Engines Fitted with Electromagnetic Train Control- Arrangement of Electromagnet Lever	Full size details of lever	27.9.16	1916	-	-	PT	D 039	-
21150	Joints for Cylinders & Steam Pipes	6" to 1' details of joints designated A-H	- .10.16	1916	T19 D56 G58 E72 L77	D13 D15 J17 J18 N7	PT	D 039	-
21151	Cab Side Screen	1½" to 1' side view of cab and details of screen Endorsed: S56 added in red	- .10.16	1916	R24 S24 S56	J67 J69	PT	D 067	-
21152	Cab Side Screens	1½" to 1' side view of cab and details of screen	- .10.16	1916	E22	J65	PT	D 070	-
21154	Four Wheels Coupled Tank Engines Class P55-Cab Side Screen	1½" to 1' side view of cab and details of screen made of canvas, secured with eyelets My comment: 151 engines fitted, numbers listed on drawing	18.10.16	1916	P55	F5	PT	D 028	-
21156	Cab Side Screen	1½" to 1' side view of cab and details of canvas screen My comment: 40 engines, 275-304 and 307-316; ten engines, 317-326 different dimensions (implies that the cab was shorter by 6½")	- .10.16	1916	T18	J66	PT	D 047	-
21157	Four Wheels Coupled Bogie Tank Engines Class S44- Cab Side Screen	1½" to 1' side view of cab and details of screen made of canvas, secured with eyelets My comment: 40 engines fitted Nos 1100-1139	19.10.16	1916	S44	G4	PT	D 028	-
21158	Four Wheels Coupled Tank Engines Class G69-Cab Side Screen	1½" to 1' side view of cab and details of screen made of canvas, secured with eyelets	19.10.16	1916	G69	F6 F5	PT	D 028	-

		My comment: 22 engines fitted: 1-10, 61-70 to black dimensions; 789 & 790 (F5 with side window cab) to red dimensions							
21160	Cab Side Screen	1½" to 1' side view of cab and details of screen	- .10.16	1916	G75 C72	J68	PT	D 067	-
21161	8 Wheels Main Line Tank Engines Class C32-Cab Side Screen	1½" to 1' side elevation of upper part of cab showing arrangement and fittings for canvas side screens My comment: 50 engines fitted: 1040-1049; 1060-1099	20.10.16	1916	C32	F3	PT	D 013	-
21162	Four Wheels Coupled Tank Engine Cl. B74-Cab Side Screen	1½" to 1' side cross-section of upper part of cab, showing canvas screen My comment: World War I blackout precautions. No 227 only	- .10.16	1916	B74	Y4	PT	D 001	-
21165	Four Wheels Coupled Tank Engines B77-Cab Side Screen	1½" to 1' side elevation of upper part of cab showing arrangement of, and fittings for, canvas side screens My comment: two engines fitted, Nos 226 & 228. Cut down cab shown	23.10.16	1916	B77	Y4	PT	D 014	-
21223	Copper Firebox Plates	1½" to 1' details of plates My comment: for Caledonian boilers, class not stated	- .9.16	1916	-	-	PT	D 051	-
21234	Four Wheels Coupled Shunting Engines Class 209-Cab Side Screens	1½" to 1' side view of cab side screen and scrap end elevation of top fixing My comment: World War I blackout precautions	- .10.16	1916	209	Y5	PT	D 001	-
21237	Cab Side Screen	1½" to 1' side view of cab and details of blackout curtains for engine Nos 1000 & 1001 My comment: shows part cab profile	- .10.16	1916	L77	N7	PT	D 053	-
21241	Four and Six-Wheels Coupled Tram Engines-Screen for Cab Side Opening	1½" to 1' side elevation of canvas screen and fixings and end detail My comment: World War I blackout precautions	- .10.16	1916	G15 C53	Y6 J70	PT	D 001	-
21242 Att	Four Wheels Coupled Radial Tank Engines G69 Class-Position for Drivers Valve on G69 Class Engines Fitted with Vacuum Brake Ejector	1½" to 1' details of bracket	- .1.28	1928	G69	F6	PT	D 037	-
21253	Steel Tubes for Vacuum Brake	1½" and 3" to 1' details of tubes	7.11.16	1916	G69	F6	PT	D 017	-
21257	Four Wheels Coupled Bogie Express Engines Class T19 Fitted with Superheater-Arrangement of Vacuum Brake	1½" to 1' arrangement shown on outline elevations and half plan of engine with details of fitting Endorsed: altered 20.9.28	13.11.16	1916	T19	D13	PT	D 081	-
21259	Four Wheels Coupled Express Engines Class T19 with Superheater-Balanced Slide Valve	Full size elevations, section and sectional plan Endorsed: altered 12.7.21	20.11.16	1916	T19	D13	PT	D 017	-
21259 Part	Steel Springs for Balanced Slide Valves	Full size details of two strip springs	- .11.25	1925	T19R	D13	PT	D 005	-
21282	Four Wheels Coupled Express Engines Class T19 with Superheater-Steam Chest Cover	Full size elevations, plan and sections Endorsed: altered 15.8.17 and 12.4.18; cancelled 9.35	27.11.16	1916	T19	D13	PT	D 017	-
21285	Six Wheels Coupled Goods Engines Y14 Class-Steel Fireboxes	1½" to 1' sectional elevations and plan of firebox	- .11.16	1916	Y14	J15	PT	D 075	-
21336	Six Wheels Coupled Bogie Express Engines Class S69-Arrangement and Details of Detroit Four Sight Feed Lubricator	1½" to 1' arrangement shown in relation of outline of engine cab and 3" to 1' details of fittings	16.7.16	1916	S69	B12	PT	D 025	-

21337	Steel Tube Plate for Belpaire Boilers for Engines D56 Class	1 1/2" to 1' elevation and section of tubeplate	20.12.16	1916	D56	D15	PT	D 026	-
21345 Part	Expanding Tap for Superheater Flue Tube Holes	Full size general arrangement and details of tap My comment: duplicate copy master	- .4.27	1927	-	-	PT	D 035	-
21350	Sketch Showing Temporary Position of Cab Roof of Y14 Class Engines to Clear Lifting Chains	1 1/2" to 1' details of cab roof My comment: probably engines shipped overseas during World War I. Good cab roof detail, showing roof moved forward in bolt holes to clear lifting chains attached to rear buffer beam	- .1.17	1917	Y14	J15	PT	D 075	-
21357	Arrangement and Details of Draw Gear Buffers and Side Chains	1 1/2" and 3" to 1'; 3" arrangement of drawgear and buffers and full size details for Y14 class for Overseas My comment: shown coupled to 20T overseas wagon with different couplings and side chains	- .1.17	1917	Y14	J15	PT	D 078	-
21358	Six Wheels Coupled Goods Engines Y14 Class for Overseas Fitted with S23 Class Tenders- Arrangement and Details for Whites Water Lifter	1 1/2", 3" & 6" to 1' and full size arrangement, outline of cab and details of components	12.1.17	1917	Y14	J15	PT	D 075	-
21364	Cab Roof Rack for Engine Driver's Staff Books	Full size arrangement of rack Endorsed: superseded by new Dg No 21364-1 .2.17	- .1.17	1917	-	-	PT	D 018	-
21364 -1	Cab Roof Rack for Engine Driver's Staff Books	Full size arrangement of rack and small scale scrap view showing positions for various classes	- .2.17	1917	D56 T19 F48 S69 G69 T26 Y14 R24 O18 E22 S44	D15 D13 J16 B12 F6 E4 J15 J67 J69 F4 J65 G4	PT	D 018	-
21385	Four Wheels Coupled Bogie Express Engines D56 Class-Steel Firebox	1 1/2" to 1' sectional elevations and part plan of firebox	- .4.17	1917	D56	D15	PT	D 050	-
21427	Six Wheels Coupled Tank Engines R24 Class-Steel Steam Pipes	3" to 1' details of 4 1/4" internal pipe and pipe to cylinders	24.2.17	1917	R24	J67	PT	D 006	-
21429	Four Wheels Coupled Tank Engines Class P55-Steel Steam Pipes	3" to 1' details of pipes Endorsed: cancelled by Dg No 21478 Part 17.3.17	28.2.17	1917	P55	F6	PT	D 006	-
21430	Six Wheels Coupled Goods Engines Class F48 Non Superheater-Steel Steam Pipes	3" to 1' details of four variations of pipe shown for F48 and G48 without superheaters and cylinders to suit non-superheater engines	28.2.17	1917	F48 G48	J16	PT	D 006	-
21431	Steel Steam Pipes	3" to 1' details of smokebox and internal pipes Endorsed: cancelled see Dg No 21473 Part	- .3.17	1917	Y14	J15	PT	D 074	-
21434	Steel Steam Pipes	3" to 1' details of internal and smokebox pipes Endorsed: cancelled, see new tracing Dg No 21481 Part 20.3.17	- .3.17	1917	T26 C32	E4 F3	PT	D 051	-
21437	Steel Steam Pipes	3" to 1' details of pipes Endorsed: cancelled, see Dg No 21482 Part 20.3.17 My comment: Stores Ordering tracing	- .3.17	1917	S44	G4	PT	D 036	-
21446	Steel Steam Pipes	3" to 1' details of pipes	7.3.17	1917	S46	D14	PT	D	-

					D56	D15		036	
21453	Steel Steam Pipes	3" to 1' in details of pipes internal and to cylinders	- .3.17	1917	N31	J14	PT	D 064	-
21473	Six Wheels Coupled Goods Engines Y14 Class-Steel Steam Pipes and C.I. Elbow	3" & 6" to 1' details of components Endorsed: additional details added 22.5.23	28.12.17	1917	Y14	J15	PT	D 073	-
21473 Part	Steel Steam Pipes	3" to 1' details for internal and smokebox pipes	- .3.17	1917	Y14	J15	PT	D 074	-
21478	Steel Steam Pipes & Cast Iron Elbow	3" and 6" to 1' details of elbow, pipe flange, internal steam pipe and 6" O.D. steam pipe	- .4.21	1921	P55	F4	PT	D 061	-
21478 Part	Steel Steam Pipes	3" to 1' details of steam and internal pipes	- .3.17	1917	P55	F4	PT	D 061	-
21481	Four Wheels Coupled Mixed Traffic Engines Class T26-Steel Steam Pipes & C.I. Elbow	3" and 6" to 1' details of pipe ad elbow My comment: see Dg No 8041 and Dg No 8006 for original steam pipe flange	21.6.21	1921	T26	E4	PT	D 025	-
21481 Part	Four Wheels Coupled Mixed Traffic Engines T26 Class and Four Wheels Coupled Tank Engines C32 Class-Steel Steam Pipes	3" to 1' details of pipes	20.3.17	1917	T26 C32	E4 F3	PT	D 025	-
21482	Four Wheels Coupled Bogie Tank Engines S44 Class-Steel Steam Pipes	3" to 1' details of two steam pipes and elbow	21.6.21	1921	S44	G4	PT	D 025	-
21482 Part	Four Wheels Coupled Bogie Tank Engines S44 Class-Steel Steam Pipes	3" to 1' details of pipes	21.3.17	1917	S44	G4	PT	D 025	-
21483	Six Wheels Coupled Goods Engines N31 Class-Steel Steam Pipes and Cast Iron Elbow	3" and 6" to 1' details of pipes and elbow	20.6.21	1921	N31	J14	PT	D 025	-
21483 Part	Six Wheels Coupled Goods Engines Class N31-Steel Steam Pipes	3" to 1' details of pipes	21.3.17	1917	N31	J14	PT	D 025	-
21492	Internal Steampipe (Steel)	3" to 1' details of pipes	28.3.17	1917	T19	-	PT	D 038	-
21503	Spark Arrestor for Chimney Top for Engs. when working in Kings Lynn Docks only	6" to 1' details of wire 'cage' on top of chimney, 5 1/4" high	- .4.17	1917	T18	J66	PT	D 063	-
21504	Section of Proposed 10" Piston Valve (Scheme 1)	Full size section of valve	18.4.17	1917	-	-	PT	D 025	-
21511	Boilers with Steel Fireboxes-Copper Stay	Full size details of stay	- .4.17	1917	-	-	PT	D 071	-
21513	Section of Proposed 10" Piston Valve (Scheme 2)	Full size section through two ring head, in two parts, with wide rings	- .4.17	1917	-	-	PT	D 071	-
21528	Washout Plugs-Nos 6, 7, 8 for Engines	Full size details of plugs with taper 1 in 8; 12 TPI; 1 5/8"; 1 3/4"; 1 7/8" dia.	- .5.17	1917	-	-	PT	D 042	-
21541	Four Wheels Coupled Tank Engines 240 Class-Coal Guard Plate to Prevent Coal from Spreading from Bunker Opening to Drivers Side when Firing	6" to 1' elevations of plate Endorsed: altered 7.4.22	22.5.17	1917	E10	F4	PT	D 061	-
21553 Part	Malleable Cast Iron Lamp Irons	6" to 1' details of smokebox lamp irons	- .9.17	1917	-	-	PT	D 051	-
21571	Arrangement and Details of Gear for Ejecting	1 1/2" to 1' arrangement of apparatus in smokebox and 3" and 6" to	14.6.17	1917	D56	D15	PT	D	-

	Smokebox Ashes D56 Engines (Non Superheater)	1' details of components Endorsed: altered for G58 class 27.5.18			G58	J17		040	
21571 Att	Six Wheels Coupled Goods Engines Class G58 without Superheater-Part Arrangement and Details of Gear for Ejecting Smokebox Ashes	1½" to 1' arrangement of gear and 3" to 1' and full size details of components	9.10.18	1918	G58	J17	PT	D 017	-
21571 Att 2	Alteration to End of Ash Ejecting Steam Pipe	1½" to 1' part section of smokebox and full size detail of connection My comment: duplicate master	- .7.18	1918	G58 D56	J17 D15	PT	D 018	-
21571 Part	Blast Pipe	3" to 1' elevations, sections and plan of blast pipe Endorsed; details of G58 0-6-0 added in pencil My comment: duplicate master	- .4.34	1934	- G58	D15 J17	PT	D 017	-
21590	Engine Classes B17, F4-6, J66-69 and GE Tenders-Brake Shaft Release Spring	Full size details of 10 3/8 long spring Endorsed: supersedes Dg No 14143-I and Dg No PC13391-D; altered 25.10.38	-	-	-	B17 F4 F5 J66 J68 J69	PT	D 030	-
21600	Tenders Class S23-Arrangement and Details of Steam Pipe Coil in Well for Warming Creosote	1½" to 1' sections and plan showing pipe arrangement in tender well and 6" to 1' details of components	17.7.17	1917	S23	-	PT	D 045	-
21627	Diagram Shewing Apparatus for Testing Safety Valves	6" to 1' layout of apparatus and instructions on how to carry out test using water under pressure	2.8.17	1917	-	-	PT	D 026	-
21636	Six Wheels Coupled Goods Engines H80 Class J19-Trailing Sandbox (for Dry Sanding Gear)	3" to 1' elevations and plan of sandbox Endorsed: altered 16.2.40 for hopper bottom to sand box; for details see Dg No 17549	20.8.17	1917	H80	J19	PT	D 037	-
21636 Ren	Trailing Sandbox for Dry Sanding Gear	3" to 1' details of sandbox Endorsed: for details see Dg No 17549; for lid see Dg No 11490; for driving sandbox see Dg No 17549	- .1.54	1954	-	J19/2	PT	D 057	-
21640	Six Wheels Coupled Tank Engines Class R24-Steel Cone and Pipe Flanges for Steel Steam Piping	Full size elevations of a cone and two flanges Endorsed: altered 2.10.17	30.8.17	1917	R24	J67	PT	D 013	-
21651	Six Wheels Coupled Goods Engines Class H80-Arrangement of Dry Sanding Gear	1½" to 1' arrangement of gear shown in relation to part outline elevation of engine Endorsed: steam pipes and cock for rail cleaning not required, undated; not required, undated	- .9.17	1917	H80	J19	PT	D 045	-
21658	Six Wheels Coupled Bogie Express Engines Class S69-Arrangement of Davies and Metcalfe's No 10 Exhaust Injector	1½" to 1' arrangement shown in relation to part outline elevations and plan of engine Endorsed: altered 20.12.20 and 5.36	- .9.17	1917	S69	B12	PT	D 037	-
21658 Att	Arrangement of Automatic Auxiliary Live Steam Injector Valve Engine Class 1500	1½" to 1' arrangement shown on part outline elevation of engine	31.5.23	1923	S69	B12	PT	D 038	-
21658 Part	Additional Guide for Exhaust Injector Gear Rods	1½" and 3" to 1' details of guide	- .8.21	1921	S69	B12	PT	D 055	-
21659 Part	Additional Guide for Exhaust Injector Gear Rods	1½" and 3" to 1' details of guide							



21658 -I	Alteration to Left Hand Injector Feed Pipe	1 1/2" to 1' plan showing alteration	- .12.19	1919	S69	B12	PT	D 055	-
21659	Details for Davies & Metcalfe's No 10 Exhaust Injector	3" and 6" to 1' and full size details of all pipes, rods handles, etc. Endorsed: see Dg No 21658 for arrangement on engine	- .11.17	1917	S69	B12	PT	D 038	-
21659 Part	Seating for Exhaust Steam Injector Cocks	Full size boiler mounting for two steam cocks	- .5.19	1919	S69	B12	PT	D 055	-
21662 Part	Bending Moment Diagram for LB&SCR 2-6-0 Goods Engine on 35Ft Span with Heaviest Axle Load in Centre of Span	1/4" to 1', 1/4" to 1 ton, 1" to 100 foot tons bending moment diagram	29.9.17	1917	-	-	PT	D 025	-
21663	Bending Moment Diagram of GWR 2-6-0 Goods Engines on 35Ft Span (with Heaviest Axle Load in Centre of Span)	1/4" to 1 ton, 1/4" to 1', 1" to 100 tons feet bending moment diagram	- .9.17	1917	-	-	PT	D 051	-
21723	Four Wheels Coupled Mixed Traffic Engines T26 Class-Footboard	1 1/2" to 1' arrangement of footboard with 3" to 1' details	18.1.18	1918	T26	E4	PT	D 057	-
21762	Diagram Showing Amount Piston Ring Overlaps Edge of Port when Piston Rod is Uncoupled and Piston Pushed Right to End of Cylinder	Diagram	- .12.17	1917	-	-	PT	D 040	-
21801	Proposed Standard 2.6.0 Eng <sup>e</sup> . & Ten <sup>r</sup> B.M. Diagram-Arrangement of Axleloads to come within Maximum Allowable Parabola and Cross Girder Reaction	1/4" = 1 ft. & 1 ton; 1" = 100 tons feet My comment: axleloads in black plus red values for SE&CR Eng class N from Dg No S1577 dated 5.12.17; 'Standard' engine to weigh 93.10.0 tons; SE&CR 'N' class 2-6-0 weighs 98.13.0 tons	17.12.17	1917	-	-	PT	D 028	-
21801 Part	Proposed Standard 2.6.0 Engine and Tender-Arrangement of Axle loads to come within Maximum Allowable Parabola and Cross Girder Reaction	1/4" to 1 ft diagram of wheelbase My comment: red figures apply to SE&CR engine class N; Dg No S1577 dated 5.12.17	17.12.17	1917	-	-	PT	D 028	-
21802	Proposed Standard 2.8.0 Eng <sup>e</sup> & Ten <sup>r</sup> B.M. Diagram-Arrangement of Axleloads to come within Maximum Allowable Parabola and Cross Girder Reaction	1/4" = 1 ft & 1 ton; 1" = 100 tons feet My comment: red figures apply to GCR 2-8-0 engines. See Dg No 19721	17.12.17	1917	-	-	PT	D 028	-
21802 Part	Proposed Standard 2.8.0 Engine and Tender-Arrangement of Axle loads to come within Maximum Allowable Parabola and Cross Girder Reaction	1/4" to 1 ft diagram of wheelbase My comment: axle loads shown plus values in red representing GCR 2-8-0 engine. See Dg No 19721; 18.12.17. 'Standard' engine to weigh 100.0.0 tons; GCR 2-8-0 (O4) weighs 119.6.0 tons	17.12.17	1917	-	-	PT	D 028	-
21805	Six Wheels Coupled Goods Engines Class F48-Footboard	1/2" to 1' elevations, section and plan of footboard with 3" to 1' details of components Endorsed: footboard cut away to red 2.11.26	9.2.18	1918	F48	J16	PT	D 029	-
21807	BM Diagram of SE&C 2-6-0 Goods Engine on 60 Ft Span	1/4" to 1', 1/4" to 1 ton & 1" to 100 tons feet diagram Endorsed: for BM diagram for GCR 2-8-0 engine see Dg No 19271	28.12.17	1917	-	-	PT	D 028	-
21851	R.O.D. R.E. Type 51 Locos C de F Etat Belge	Full size valve spindle My comment: engine repaired at Stratford	13.2.18	1918	-	-	PT	D 020	-
21852	R.O.D. R.E. Etat Belge Type 25 Locos	6" to 1' details of crosshead, right hand shown	15.2.18	1918	-	-	PT	D 013	-
21853	R.O.D. R.E. Type 25 Locos C de F Etat Belge	6" to 1' details of leading, driving and trailing axlebox My comment: 0-6-0	15.2.18	1918	-	-	PT	D 020	-
21854	Injector Steam Cock (Locos Type 25)	Full size details of 9 components for 0-6-0 engine to Dg No BL-273	16.2.18	1918	-	-	PT	D 020	-

21861	Valve Readings	Table of readings My comment: valve events tabulated for S69; D56 right hand cylinder, engine 1849; S46 "Taken from book"; engine 1830 fitted with experimental eccentrics and valve and figures taken from model motion. The dates 4.4.11 and 10.9.08 appear on the tables	- .3.18	1918	S69 D56 S46	B12 D15 D14	PT	D 042	-
21865 Part	Bracket for Footboard	Full size detail of bracket	- .4.21	1921	Y14	J15	PT	D 079	-
21865 Att	Connecting Bar for Footboard Brackets for Y14 Class Engines with H14 Tenders No 640-649	1½" to 1' details of bar	- .12.18	1918	Y14	J15	PT	D 074	-
21868	BM Diagram of Proposed 4-4-0 Express Engine on Various Spans	¼" to 1', ¼" to 1 ton, 1" to 100 foot tons bending moment diagram for a range of spans 20' to 70'	- .3.18	1918	-	-	PT	D 004	-
21882	Arrangement & Details of Hot Water Boiler Washing Apparatus	6" to 1' arrangement and full size details of components Endorsed: altered in red to suit GER application Copy of GWR Dg No 52392	- .3.15	1915	-	-	PT	D 031	-
21904	Electro Mechanical Train Control	Full size details of numerous components Endorsed: altered 30.4.19	15.4.18	1918	-	-	PT	D 028	-
21906 Part	Comparative Valve Distributions	1½" to 1' and full size comparison between class D56 (with special eccentric motion, as fitted to engines Nos 1815 – 1819 & 1830) and diagrams supplied by ARLE My comment: noted that fore gear eccentric has 7" throw and back gear eccentric has 5¾" throw	5.4.18	1918	D56	D15	PT	D 028	-
21922	Superheater Belpaire Boilers 4'8" Diameter-Arrangement of Copper Smoke Tubes	3" to 1' elevations of tubeplates	26.4.18	1918	-	-	PT	D 029	-
21923	Engines with Belpaire Boiler 4'8" and 5' 0" Diameter-Injector Steam Cock	Full size elevations, section and plan of cock	- .7.21	1921	-	-	PT	D 044	-
21926	(Smokebox Door & Fittings)	3" to 1' general arrangement of smokebox door and details of 14 components for Belgian 0-6-0 classes 30, 32 and 32S repaired for R.O.D. Endorsed: altered to suit altered thickness of smokebox door from ½" to ¾". (See correspondence with Mr. Maunsell)	- .3.18	1918	-	-	PT	D 035	-
21927	Diagram of Buffer, Screw Coupling etc. Dimensions Req'd for Standard Engines	1" to 1' arrangement My comment: Ref No S-1855	- .6.18	1918	-	-	PT	D 079	-
21938	Arrangement of Smokebox Door showing Altered Method of Fastening	3" to 1' arrangement of door secured with six 'dogs', without dart or crossbar, handle fitted near to far edge. Endorsed: door to Dg No 16495; see Dg No 19141 for details	- .6.18	1918	F48	J16 J17	PT	D 062	-
21942	Arrangement of Lubrication Pipes for Trailing Axle Boxes D56 Class	6" to 1' elevations of pipework	- .10.18	1918	D56	D15	PT	D 039	-
21946	Arrangement of Lubrication Pipes for Trailing Axleboxes T19 Class	6" to 1' elevations of pipes	- .10.,18	1918	T19	D13	PT	D 039	-
21947	Coupling Rods	Full size detail arrangement of rods My comment: superseded by Dg No 26516 2.11.26	- .6.18	1918	D81	J20	PT	D 039	-
21948	Built Up Crank Axles for Coal Engines Class D81	3" to 1' elevations of crank axle Endorsed: classes M87 & Y87 added	12.6.18	1918	D81	J20	PT	D 039	-
21949	Six Wheels Coupled Goods Engines Class D81-	6" to 1' elevations, sections and plan of horn block and axle	20.6.18	1918	D81	J20	PT	D	-

	Driving and Trailing Horn Block and Axle	Endorsed: numerous alteration to 3.34						021	
21949 Ren	Driving and Trailing Hornblock and Axle Box	6" to 1' elevations, sections and plan of components Endorsed: altered 6.45	5.4.45	1945	-	J20	PT	D 039	-
21949 -1	Cast Steel Hornblocks, Driving and Trailing	6" to 1' details of hornblocks My comment: Stores Ordering drawing	22.7.18	1918	D81	J20	PT	D 024	-
21949 -2	Cast Steel Axleboxes, Driving and Trailing	6" to 1' elevations, sections and plan of axlebox My comment: Stores Ordering drawing	30.4.45	1945	D81	J20	PT	D 024	-
21949 Att	Engines Type J20-Modification to Crown of Axlebox (Driving and Trailing)	Full size sections of top part of box Endorsed: altered 25.10.44	25.6.43	1943	-	J20	PT	D 024	-
21950	Cast Steel Wheels	3" to 1' elevation and section of driving and leading/trailing wheels without tyres My comment: Stores Ordering drawing for castings	18.7.18	1918	D81	J20	PT	D 024	-
21952	Steel Axles (Trailing)	3" to 1' elevation and section of axle My comment: Stores Ordering drawing for forgings	- 4.20	1920	D81 M87	J20	PT	D 051	-
21952 -1	Steel Axles	3" to 1' elevation and section of trailing axle My comment: Stores Ordering drawing for forgings	- 4.29	1929	-	J20	PT	D 012	-
21953 Part	Outline of Inside Frames	1½" to 1' frame outline, also with part of boiler outline	- 7.18	1918	D81	J20	PT	D 070	-
21953 Part	Stays for Framing	1½" to 1' details of two stays for footplating and one stay for ends	- 1.19	1919	D81	J20	PT	D 012	-
21953 Att	Alteration to Front End of Frame to suit Piston Valve Front Supports	1½" to 1' elevations, sections and plan of front end of frames	- 2.22	1922	M87	J20	PT	D 070	-
21953 Att	Alteration to Frame to suit Cylinders to Drg No 29864	1½" to 1' elevation of part frame showing position of new holes	- 2.35	1935	-	J20	PT	D 067	-
21954	Six Wheels Coupled Coal Engines D81-J20-Leading Hornblock and Axlebox with Controlling Gear	6" to 1' elevations, sections and plans of hornblock	16.9.18	1918	D81	J20	PT	D 067	-
21954 -1	Sets of Cast Steel Hornblocks, Leading	6" to 1' elevations, section and plan of hornblocks Endorsed: two per set, RH and LH My comment: Stores Ordering drawing for steel castings	- 8.18	1918	D81	J20	PT	D 067	-
21954 Att	Engines Type J20-Modification to Crown of Leading Axlebox	Full size details showing sideplay and side control springs Endorsed: note of oil groove added 6.45; see Dg No 21954 for axlebox dimensions	25.6.43	1943	-	J20	PT	D 024	-
21955	Six Wheels Coupled Goods Engines D81 Class (J20)-Arrangement of Spring Gear	3" to 1' elevations, sections and plan of driving, trailing and leading gear Endorsed: altered 29.7.33 & 2.11.36	12.10.18	1918	D81	J20	PT	D 070	-
21956 -1	Steel Axles (Leading)	3" to 1' details of axles My comment: Stores Ordering drawing for forgings	- 5.29	1929	-	J20	PT	D 051	-
21957 Att	Alteration to Cab-Engines fitted with Dropgrate	3" to 1' details of alteration on left hand side of cab Endorsed: for arrangement of dropgrate see Dg No 35800	- 1.1.45	1945	-	J20/1	PT	D 051	-
21958	Leading, Driving & Trailing Springs	3" to 1' elevation, section and plan of springs with full size details	- 1.19	1919	D81	J20	PT	D 067	-
21958 Att	Spring Buckles & Section of Bottom Spring Plate	Full size details of buckles and spring of sixteen plates ½" x 4½"	- 5.24	1924	-	-	PT	D 065	-
21960	Six Wheels Coupled Coal Engines Class D81-J20-	3" to 1' elevations and plan of sandboxes and splashers with 6" to 1'	- 1.19	1919	D81	J20	PT	D	-

	Leading, Driving and Trailing Sand Boxes and Splashers	and full size details of components Endorsed: altered 2.40						070	
21960 Att	Modifications to L.H. Trailing Sandbox	3" to 1' elevations and sections of sandbox	23.11.45	1945	D81	J20/I	PT	D 003	-
21960 Att	Driving & Trailing Sandbox for Dry Sanding Gear	3" to 1' details of sand box applicable to both axles	- .1.54	1954	-	J20	PT	D 051	-
21961	Steel Steam Pipes for Robinson Superheater	3" to 1' details of pipes	- .11.18	1918	D81	J20	PT	D 054	-
21962	Six Wheels Coupled Goods Engines Class D81-Blast Pipe and Steam Pipe Connection	6" to 1' arrangement of connection and full size details Endorsed: altered 12.10.20 and 7.3.25 My comment: see Dg No 23364 for cast iron steam pipe connection 2.4.2; replaced by Dg No 31814	19.2.19	1919	D81	J20	PT	D 026	-
21964	Six Wheels Coupled Goods Engines Class D81-Chimney Base and Hood	6" to 1' elevations and plans of chimney base and petticoat My comment: see Dg No 21959 for smokebox; see Dg No 21963 for chimney	- .2.19	1919	D81	J20	PT	D 003	-
21965 Att	Four Wheels Coupled Bogie Express Engines Class 1900 with 5'0" Diameter Boiler-Spark Deflector Details	6" to 1' details of 3 components	20.11.22	1922	D56	D15	PT	D 026	-
21965	Six Wheels Coupled Goods Engines Class D81-Spark Deflector and Details	6" to 1' arrangement of deflector and full size details of components for engine with 5'0" diameter boiler 1900 Class Endorsed: altered 20.11.22	12.8.19	1919	D81	J20	PT	D 003	-
21966	Six Wheels Coupled Goods Engines D81 Class-Expansion Bracket	6" to 1' elevations of firebox expansion bracket and full size details	- .4.19	1919	D81	J20	PT	D 003	-
21968	Six Wheels Coupled Coal Engines Class D81-Details of Brakework	3" to 1' details of components for steam and vacuum brake Endorsed: altered 5.3.20, 19.12.36 & 3.7.33	- .3.19	1919	D81	J20	PT	D 003	-
21969 Att	Modified Arrangement of LH Trailing Sandgear	1½" to 1' sand gear shown in relation to part outline elevation and plan of engine Endorsed: altered 27.6.50	- .11.45	1945	D81	J20/I	PT	D 003	-
21970	Sets of Vacuum Brake Pipes, etc.	Schedule of 21 types of pipe with sketches My note: drawing divided into 3 separate panels	- .3.19	1919	K86	N7	PT	D 003	-
21971	Six Wheels Coupled Coal Engines D81 Class-Rod, Pipe and Clothing Details	Full size details of numerous components Endorsed: altered c.1940 to suit boilers to diagram 25A	- .4.19	1919	D81	J20	PT	D 051	-
21971 Att	Engines Type J20-Clips and Brackets for Horn Cheek Lubrication	Full size details 3 components	- .1.36	1936	-	J20	PT	D 051	-
21972	Asbestos Clothing	1½" to 1' details of mats for boiler My comment: Stores Ordering drawing	- .4.20	1920	D81	J20	PT	D 051	-
21973	Footboard	1½" and 3" to 1' elevation and plan of footboards in cab, with extension to tender	- .12.19	1919	D81	J20	PT	D 051	-
21974	Six Wheels Coupled Goods Engines Class D81-Arrangement and Details of Gear for Ejecting Smokebox Ashes	1½" to 1' arrangement shown on outline elevations and plan of smokebox and 3" to 1'; and full size details of components Endorsed: altered for classes A81 & E72; altered 13.8.20 & 4.10.22	- .2.20	1920	D81	J20	PT	D 051	-
21974 Att	Proposed Alteration to Ash Ejector Pipes in Smokebox	Full size details of pipes back and front only, with cleaning plugs	- .11.22	1922	D81	J20	PT	D 051	-
21977	Arrangement and Details of Cab Doors	1½" and 3" to 1' arrangement of hinged cab doors and full size details	- .6.20	1920	L77	N7	PT	D 072	-

		My comment: dated 6.20 on title, but not checked until 3.21							
21977 Att	Latch for N7 Cab Side Doors	Full size details of latch My comment: drawing badly water stained	- .7.34	1934	L77	N7	PT	D 040	-
21980 Att	Six Wheels Coupled Radial Tank Engine K89-Smokebox	3" to 1' arrangement of smokebox showing condenser blast pipe but not pipework	- .10.23	1923	K89	N7	P	D 043	-
21982	Boilers for No 1 & No 51 Class Engines-Regulator Stuffing Box & Details	Full size details of regulator handle, stuffing box, rod, etc.	- .1.20	1920	1 51	F6 J69	PT	D 061	-
21983	Boilers for No 51 Class Engines-Expansion Bracket	6" to 1' elevation, section and plan of bracket	- .2.20	1920	51	J69	PT	D 061	-
21984	Boilers for No 1 Class Engines-Boiler Stays and Hangers	Full size elevation, section and plan of stays and hangers	- .1.20	1920	1	F6	PT	D 061	-
21985	Boilers for No 51 Class Engines J69-Boiler Stays and Hangers	Full size details of 7 components	21.1.20	1920	S56	J69	PT	D 061	-
21986	No 1 & No 51 Class Engines-Safety Valve	6" to 1' elevations and section of 'Ramsbottom' type valve with four columns and full size details My comment: with short 'tail' 180 psi; centres 12" x 6"	- .1.20	1920	1 51	F6 J69	PT	D 061	-
21990	Arrangement of Buffing & Coupling Between Engine and Tender	1½" to 1' plan of drawgear and buffers My comment: 'typical', but either '1800' or '1500' classes	- .6.18	1918	-	-	PT	D 064	-
22002	Tools for Removing Taper End of Slide Valve Spindle from Intermediate Spindle-Tools for Removing Taper End of Piston Rod from Crosshead	Full size elevations and plans of two tools	26.6.18	1918	-	-	PT	D 090	-
22040	Type 32 <sup>s</sup> loco Etat Belge	3" to 1' elevations, sections and plan of two types of axleboxes and liners My comment: axleboxes taken from engine No 4306 type 32 <sup>s</sup>	4.7.18	1918	-	-	PT	D 030	-
22041	R.O.D. R.E.-C de F Etat Belge Type 32 & 32S-Leading and Trailing Axle-Box and Keep	6" to 1' elevations, section and plan of leading and trailing axlebox and keep Copy of SE&CR drawing	5.7.18	1918	-	-	PT	D 030	-
22042	Type 32 <sup>s</sup> Loco Etat Belge-Axle Box Brass for Engines No 4306	6" to 1' elevations, sections and plan of axlebox brass for engine No 4306 Copy of SE&CR, Ashford, Dg No BL-480, dated 8.12.17	2.7.18	1918	-	-	PT	D 025	-
22043	Type 32 <sup>s</sup> Loco Etat Belge-Driving Axle Box Brass and Keep	6" to 1' elevations, sections and plan of driving axlebox brass and keep Copy of SE&CR, Ashford, Dg No BL-481, dated 8.12.17	1.7.18	1918	-	-	PT	D 025	-
22044	Type 32 <sup>s</sup> Loco Etat Belge-Axle Box Keep	6" to 1' elevation, section and plan of axlebox keep Copy of SE&CR, Ashford, Dg No BL-482, dated 8.12.17	2.7.18	1918	-	-	PT	D 025	-
22055 A	Steel Crank Axle-For Six Wheels Coupled Belgian Engine No 3783	3" to 1' elevation and section of axle Endorsed: altered 30.8.18 (including addition of A to Dg No) and print sent to Messrs Taylor; for ordering purposes and not for shop use	18.7.18	1918	-	-	PT	D 027	-
22056	Baldwin 2.8.0 Locos-Brake Hanger for Trailing Wheels	6" to 1' details of hanger	17.7.18	1918	-	-	PT	D 025	-
22057	Baldwin 2.8.0 Locos-Brake Hanger for Trailing Wheels	6" to 1' details of hanger My comment: from Dg No ST/E 796, CME Drawing Office, St. Etienne Loco Works	18.7.18	1918	-	-	PT	D 025	-
22060	Wheel and Axle (Driving) for 32 & 32 <sup>s</sup> Type Belgian	1/5 <sup>th</sup> scale detailed arrangement of wheel and axle	16.8.18	1918	-	-	PT	D	-

	Locomotives	Copy of Belgian print 131 and 688 <sup>OF</sup> by several people, e.g. CME, DO, GHQ and SE&CR My comment: in French!						030	
22066	Diagram of Wheelbase & Weights	¼" to 1' diagram of proposed 2-6-0 standard goods engine and proposed 2-8-0 standard goods engine (Association of Railway Locomotive Engineers)	- .8.18	1918	-	-	PT	D 055	-
22093	(Tyre Profile)	Full size profile Copy of Midland Railway Dg No 80-1442D Derby	- .8.18	1918	-	-	PT	D 077	-
22106	Diagram of Loco-Boiler	¾" to 1' diagram of Belpaire boiler, small diameter 3' 9" /3' 11½", narrow over firebox, only 3' 4" x 17 ft², origin unknown Copy of blueprint supplied by W.G.Bagnall Ltd.	17.9.18	1918	-	-	PT	D 062	-
22107	Steam Superheating Elements for Superheater D56 Class Engines (Experimental Set)	3" to 1' arrangement of tubes and full size sections	- .10.18	1918	D56	D15	PT	D 062	-
22131	Adjustable Anchor Link for Walschaert Valve Gear. Southwold Rly Loco No 4	Full size detail of link Endorsed: for SR loco No 4- 0-6-2T 'Wenhaston'	- .10.18	1918	-	-	PT	D 057	-
22156	Sets of Steel Steam Superheating Elements for Robinson Superheaters	3" to 1' details of elements and full size details Endorsed: superseded by Standard Dg No N-661-N My comment: Stores Ordering drawing	- .11.18	1918	S69 D81	B12 J20	PT	D 066	-
22156 -A	Sets Steel Superheating Elements for Robinson Superheater	3" to 1' details of elements and full size details for '1900' class with 5' 0" dia. Boiler My comment: Stores Ordering drawing	- .12.22	1922	-	D16	PT	D 066	-
22175	100 Cast Steel Buffer Plungers	Full size elevations and plan of plungers for self-contained buffers for engines Endorsed: altered 4.1.19	28.11.18	1918	-	-	PT	D 087	-
22190	Regulator Stuffing Box & Details	Full size arrangement of stuffing box and handle Endorsed: also for D14-16, J16-19 with 'D&J' boiler to Dg No 29803, but regulator handle is different to Dg No 26238	- .12.18	1918	D56 S69 L77	D15 B12 N7	PT	D 044	-
22191	Steam Brake Cylinder-Classes Y14, N31, F48, G58, E72	Full size arrangement of brake cylinder	- .12.18	1918	Y14 N31 F48 G58 E72	J15 J14 J16 J17 J18	PT	D 074	-
22191	Steam Brake Cylinder	Full size general arrangement of cylinder Endorsed: 'for alterations, see tracing same number My comment: see Dg No 9696 for brake arrangement, Y14 0-6-0; see Dg No 9287 for steam brake cylinder spring	- .8.27	1927	Y14 F48 G58 E72 T77 D81	J15 J16 J17 J18 J19 J20	PT	D 034	-
22193	Four Wheels Coupled Shunting Tank Engines Class 226-Sketch Showing Alteration to Brake Hangers	3" to 1' details of alteration Endorsed: see Dg No 18540 for details	- .12.18	1918	B77	Y4	PT	D 021	-
22205 Part	Tube Plate Diagrams	1½" to 1' diagrams of tube plates for 156 smoke tubes 1¾" O.D. and 18 superheater flues 5" O.D.	- .3.23	1923	D56	D15	PT	D 057	-
22206 Att	Position of Inspection Doors in Boilers with Direct Stays or Roof Bars	1½" to 1' details of position in boiler My comment: 'mudhole doors' replaced washout plugs	- .6.34	1934	-	E4 F3	PT	D 057	-

						J15			
22208	Alteration to D56 Class Header for Experimental Elements	6" to 1' details of alteration My comment: nature of experimental elements not shown; holes in header are tapped 1 5/8" dia; see Dg No 18454 for header	- .1.19	1919	D56	D15	PT	D 057	-
22223	Sketch showing Proposed Slats on Roof of G69 Class Tank Engine	1 1/2" to 1' arrangement of six longitudinal slats 1 1/2" wide x 3/4"	- .2.19	1919	G69	F6	PT	D 044	-
22225	Reversing Gear	1 1/2" to 1' arrangement of gear on outline of engine and full size details of screw reverse, long rod, etc. Endorsed: reversing shaft, Dg No 18022; reversing screw, bracket and nut, Dg No 11567; reversing screw nut and guide, Dg No 6179	- .5.19	1919	D81	J20	PT	D 044	-
22225 Att	Reversing Rod Guide Bracket	3" to 1' arrangement of mild steel bracket on side of boiler and 6" to 1' details Endorsed: not checked	-	-	-	J20/1	PT	D 034	-
22231	Sketch of Flanging Blocks for Boiler Plates	3/4" and 3" to 1' outline sketches of seven blocks for 1211 class, 4' 8" dia.	- ..2.19	1919	G58	J17	PT	D 064	-
22233	Sketch of Flanging Blocks for Boiler Plates 1500 Class	Undimension sketches of 8 flanging blocks	27.2.19	1919	S69	B12	PT	D 018	-
22235	Mud Doors and Mud Plugs for Boiler of Six Wheels Coupled Express Engines 1500 Type	Full size elevations and details of doors and plugs Endorsed: for LNER standard mud plugs see Dg No 26006	- ..2.19	1919	S69	B12	PT	D 005	-
22236	Taper Pin for Crank Pin Washers	Full size details of pin My comment: drawing made to send to Vickers Ltd.	- .2.19	1919	-	-	PT	D 035	-
22245	Sketch of Rolled Section of Tyres for Colne Valley Rly Engines	Full size details of four tyres 3' 2 1/4" O.D.; four tyres 3' 2 1/4" O.D.; eight tyres 5' 13/8" O.D.	- .3.19	1919	-	-	PT	D 051	-
22250	Contact Wheel for Daniel's Mechanical Train Control	Full size details of wheel My comment: appears to be a wheel 7" dia. with a 'tread' made of 38 steel wires	- .3.19	1919	-	-	PT	D 073	-
22253	Six Wheels Coupled Coal Engines (D81 Class)-Ashpan Arrangement	3" to 1' elevations and plan of ashpan Endorsed: altered 7.34	12.5.19	1919	D81	J20	PT	D 014	-
22255	Air Cylinder & Valve for Daniel's Mechanical Train Control	Full size detailed view of 3 1/2" x 6 1/4" stroke air cylinder, with spring inside My comment: purpose obscure, but possibly related to auto-gear. Regulator control cylinder?	- .3.19	1919	-	-	PT	D 058	-
22256	Six Wheels Coupled Superheater Coal Engines (Class D81)-Details of Ashpan Gear	6" to 1' and full size details of twenty components My comment: see Dg No 22253 for ashpan arrangement	12.5.19	1919	D81	J20	PT	D 014	-
22279	Internal Pipe Clips & Union	6" to 1' and full size details of injector steam pipes in dome	- .4.19	1919	S69	B12	PT	D 066	-
22281 Att	Alteration to Daniels Train Control Gear	3" to 1' details of equipment attached to locomotive My comment: related to push & pull operation?	- .5.21	1921	-	-	PT	D 016	-
22282	Details of Daniels Mechanical Train Control Gear	1 1/2" to 1' sheet of details. My comment: appears to operate regulator and blow warning whistle	- .4.19	1919	S56	J69	PT	D 012	-
22289	Steel Tyres to Gauge No. 9	Full size section of tyre Endorsed: see later Dg No 31033 for ordering tyres, 18.3.38 My comment: Stores Ordering drawing	- .4.19	1919	-	-	PT	D 031	-
22291	Duplex Pressure Gauge for Westinghouse Brake	Full size elevations of gauge	6.5.19	1919	-	-	PT	D	-

	Main Air Reservoir							073	
22292	Double Mud Hole Door	Full size elevations and section of firebox corner	- .5.19	1919	S69	B12	PT	D 032	-
22293	Six Wheels Coupled Superheater Goods Engines (Class D81)-Frame and Boiler Stay	3" to 1' and full size details of components	26.5.19	1919	D81	J20	PT	D 011	-
22301	Six Wheels Coupled Bogie Express Engines Class 1500-Westinghouse Steam Cock and Seating	Full size elevations and plan of cock Endorsed: altered 20.5.21	19.5.19	1919	S69	B12	PT	D 028	-
22325	Bars Angle Steel	Full size details of rolled (?) steel bars for expansion bracket angle My comment: Stores Ordering drawing	- .4.20	1920	D81	J20	PT	D 077	-
22326	Leading Sand Box for Six Coupled Bogie Express Engines 1500 Class	3" to 1' arrangement and full size details, also for engine fitted with Davies & Metcalfe's exhaust injector	14.7.19	1919	S69	B12	PT	D 028	-
22328	Six Wheels Coupled Express Engines Class 1500/B12-Blast Pipe	6" to 1' general arrangement of blast pipe and fixing nuts Endorsed: altered in blue, 14.10.24	8.7.19	1919	S69	B12	PT	D 018	-
22330	Tenders 1500, 1780, 1900 & 1200 Classes-Spring	Full size half elevation, plan and section of 15 plate spring 3' 11" centres unloaded Endorsed; altered 6.1.34; superseded by Dg No 22330-1 4.34	30.1.20	1920	M52 T69	-	PT	D 029	-
22330	Spring Buckle 1500 Class Tenders	Full size details for 15-leaf spring	- .7.23	1923	T69	-	PT	D 028	-
22330 -1	Tender Spring	Full size spring 3' 11" centres, unloaded, 15 plates, 4" x 1/2"	- .4.34	1934	M52 T69	-	PT	D 028	-
22336 Att	4-6-0 Engines Type B12-Alteration to Back Buffer Beam of Tender	3" to 1' details o alteration Endorsed: altered to red 13.1.36; see Dg No 22336 for frame arrangement	13.3.28	1928	T69	-	PT	D 028	-
22342 -1	Alteration to Front Damper Gear	3" and 6" to 1' details of lever in cab	- .12.22	1922	S69	B12	PT	D 049	-
22345	Tenders Class 1500-Tender Tank Lid and Seating	6" to 1' details of components Endorsed: see Dg No 22377 for air vent pipe; Dg No 22345Att for alteration to tank lid	29.7.19	1919	S69	B12	PT	D 015	-
22345 Att	Sketch Showing Alteration to Hinge on Tender Tank Lid	6" to 1' outline of filler shown, with balance pipe connection My comment: see Dg No 22345 for other dimensions	14.8.25	1925	-	-	PT	D 034	-
22348	Tenders Class 1500-Arrangement and Details of Water Pickup	3" to 1' arrangement and 6" to 1' details of scoop Endorsed: see Dg No 30881 for new links My comment: bottom right corner of drawing missing and part of title lost	6.8.19	1919	S69	B12	PT	D 088	-
22348 Part	Spring for Tender Water Pick-Up	6" to 1' details of coil type spring	- .11.25	1925	Tender	-	PT	D 066	-
22351	Six Wheels Coupled Express Engines Class 1500-Smokebox Door	6" to 1' fully detailed arrangement Endorsed: see Dg No 10141 for details	5.9.19	1919	S69	B12	PT	D 084	-
22352	Six Wheels Coupled Express Engines Class 1500-Spark Deflector and Details	3" and 6" to 1' details of deflector mounted in front of tubeplate	25.7.19	1919	S69	B12	PT	D 010	-
22353	Pins for Brake Gear	6" to 1' details of thin-head pin to be used on centre line of engine, in brake beams, links etc., in order to clear train control ramps Endorsed: five per engine, Y14 and N31; three per engine, S44	- .6.19	1919	Y14 N31 S44	J15 J14 G4	PT	D 078	-
22355	Six Wheels Coupled Bogie Express Engines 1500	1 1/2" to 1' arrangement on part outline of engine and full size details	- .7.19	1919	S69	B12	PT	D	-



	Class-Arrangement and Details for Steam Jet Attachment (Anti Carboniser) for Wakefields 4 Feed Mechanical Lubricator	of components Endorsed: altered 30.6.39						010	
22357	Tenders Class 1500-Air Valve for Water Pick Up	Full size elevations, sections and plan of valve Endorsed: altered 13.1.33	29.8.19	1919	S69	B12	PT	D 011	-
22360 -3	Alteration to Tender Flap Plate	1 ½" to 1' details of plate for Beyer Peacock tenders Endorsed: material to be chequer plate, 27.1.55	- .10.28	1928	-	B12	PT	D 057	-
22360 -4	Alteration to Tender Flap Plate	1 ½" to 1' details of plate for tenders built by North British Locomotive Co.	- .10.28	1928	-	B12	PT	D 067	-
22373	Six Wheels Coupled Express Engines Class 1500-Oil Boxes and Oil Cups	Full size elevations and plans 6 components	- .9.19	1919	S69	B12	PT	D 054	-
22373 -1	Six Wheels Coupled Express Engines Class 1500 Type B12-Bogie Oil Box & Piston Rod Oil Cups	Full size elevations, section and plan of components Endorsed: see Dg No 27773 for piston rod oil cup bracket	31.5.28	1928	-	B12	PT	D 013	-
22377	Tenders-Class 1500 Type B12-Pipe Details, Water Gauge Casing	(6" to 1' and full size) details of components	- .8.19	1919	S69	B12	PT	D 088	-
22380	Six Wheels Coupled Bogie Express Engines Class 1500-Pipe Connections, Brackets, etc. for Westinghouse Brake 8/8 ½" Air Compressor and No 4 Drivers Valve	3" and 6" to 1' and full size details of connections and components Endorsed: altered for H88 12.4.23	- .8.19	1919	S69	B12	PT	D 013	-
22382	Six Wheels Coupled Express Engines Class 1500 Type B12-Feed Connections Between Engine and Tender	3" to 1' elevation and plan of connection and 6" to 1' details of fittings Endorsed: altered 25.4.28 and 8.5.28	18.10.19	1919	S69	B12	PT	D 029	-
22383	Six Wheels Coupled Express Engines Class 1500-Firebars	Full size two drawings covering three types of bar	15.8.19	1919	S69	B12	PT	D 028	-
22384	Engines and Tenders Class 1500-Details of Cupboards, Handrail Columns and Fire Iron Holders	Full size elevations of components Endorsed: altered 17.1.24, 4.9..24 and 3.6.27	8.9.19	1919	S69	B12	PT	D 029	-
22384 Part	Malleable Cast Iron Fire-Iron Holder	Full size details applicable to 3450 gallon, 3500 gallon and 3700 gallon tenders	13.8.24	1924	M52 T69	-	PT	D 029	-
22384 Part	Fire Iron Holder	Full size details of holder made of malleable cast iron shaped at left hand side is to clear balance pipes	23.12.26	1926	M52 T69	-	PT	D 028	-
22385	Arrangement of Westinghouse Brake Main Pipe at End of Engines and Tenders Class 1500	3" to 1' elevation and plan of pipe arrangement and full size details of brackets	4.9.19	1919	S69	B12	PT	D 029	-
22387	Six Wheels Coupled Bogie Express Engines 1500 Class-Alteration to Injector Overflow Davies and Metcalfe's No 10 Exhaust Injector	1 ½" to 1' arrangement of injector below footplate level Endorsed: alteration in red not worked to	6.8.19	1919	S69	B12	PT	D 028	-
22395	Retarder for Superheater	Full size part arrangement of steam jets blowing down superheater flues from smokebox end Endorsed: see Dg No 19388 for steam cock	5.9.19	1919	S69	B12	PT	D 007	-
22398	Spring for 13" Dia. W.H. Brake Cylinder	Full size details of spring My comment: Stores Ordering drawing	- .8.19	1919	-	-	PT	D 039	-
22410	Six Wheels Coupled Radial Tank Engines Class L77, K85-Angle Plate Stop on Brake Cross Beam for Driving and Intermediate Wheels	3" to 1' elevation and plan of beam with stop	- .8.21	1921	L77	N7	PT	D 080	-
22413	Driving Axle Lubrication Showing Additional Oil Pipe to Face of Axlebox	1 ½" and 6" to 1' and full size oil feed to inner face of box against crank web	- .8.19	1919	S69	B12	PT	D 041	-

22415	Six Wheels Coupled Express Engines and Tenders Class 1500-Westinghouse Brake, Pipe Details and Connections	Full size details of components and connections	14.10.19	1919	S69	B12	PT	D 088	-
22425 Att	Brake Arrangement Tenders Class 1500 & 1900 Types B12 & D15-Alteration to Brake Cross Beam 'A'	1½" to 1' plan of gear Endorsed: see Dg No 22425 & Dg No 7898-I for other dimensions	14.8.25	1925	-	B12 D15	PT	D 088	-
22431 -1	Bending Moment Diagrams of Proposed 4-4-0 Express Engine on 20', 40' and 60' Spans	¼" to 1 foot; ¼" to 1 ton and 1" to 100 tons feet, wheelbase diagram and composite bending moment diagram	- .10.19	1919	-	-	PT	D 005	-
22435 -1	Steel Steam Pipes for Robinson or Schmidt Superheater	3" to 1' elevations of steam pipe My comment: similar to Dg No 22435-4, but with walls of uniform thickness; Stores Ordering drawing	11.4.29	1929	S69 D81 E72	B12 J20 J18	PT	D 005	-
22435 -3	Steel Steam Pipes for Schmidt Superheater	3" to 1' elevations of left hand and right hand steam pipes My comment: Stores Ordering drawing	14.5.20	1920	T19R D56	D13 D15	PT	D 005	-
22435 -4	Steel Steam Pipes for Robinson or Schmidt Superheater	3" to 1' elevations of steam pipe My comment: similar to Dg No 22435-1, but with thicker walls at cylinder end; Stores Ordering drawing	9.12.30	1930	S69 D81 E72	B12 J20 J18	PT	D 005	-
22445 -2	Steel Steam Pipes for Robinson Superheater	3" to 1' details of pipes Endorsed: undated alteration of pipe specification to 5swg My comment: Stores Ordering drawing; drawing water damaged	- .- .20	1920	T19R D56 G58	D13 D15 J17	PT	D 031	-
22447	Sketch of Smokebox Tubeplate showing Positions of Holes in Flange	3" to 1' details of holes	- .10.19	1919	S69	B12	PT	D 039	-
22453	Copper Condensing Pipes for Tank Engines	1½" to 1' dimensions of pipes only, no flange details, etc. My comment: no indication of position or location of pipes	- .10.19	1919	C32 G69 P55 R24 S44	F3 F6 F5 J69 G4	PT	D 079	-
22456	United States Metallic Packing for Piston Rod	Full size details of packing Copy of United States Metallic Packing Co print 207309-18	- .4.20	1920	S69 M87	B12 J20	PT	D 038	-
22462	Six Wheels Coupled Bogie Express Engines 1500 Class-Arrangement and Details of Gear for Ejecting Smokebox Ashes	1½" to 1' arrangement of gear full size details of components Endorsed: altered 25.6.20 and 6.4.22	- .11.19	1919	S69	B12	PT	D 058	-
22462 Part	Addition to Gear for Ejecting Smokebox Ashes	1½" to 1' arrangement and full size details	- .6.20	1920	S69	B12	PT	D 039	-
22487	Sketch of Drain Cock for Footplate Reservoir showing Proposed Handle	Full size small sketch of drain cock	- .10.19	1919	S69	B12	PT	D 055	-
22523	Four Wheels Coupled Express Engines Class T19-Back Cylinder Cover	Full size elevations, section and plan of cover	12.11.19	1919	T19R	D13	PT	D 017	-
22525	Six Wheels Coupled Bogie Express Engines and Tenders Class 1500 (B12)-Westinghouse Brake Coupling between Engine and Tender	Full size details of coupling and fittings	19.11.19	1919	S69	B12	PT	D 024	-
22535	Mid Suffolk Railway Engine No 1-Position of Brick Arch	3" to 1' elevation of firebox interior	28.11.19	1919	-	-	PT	D 035	-
22539 Att	Proposed Alteration to Position of Joint in Steam Pipe to Westinghouse Pump-Classes F4-F6	1½" to 1' elevations and plan showing alteration	- .10.49	1949	-	F4 F5 F6	PT	D 080	-

22540	Four Wheels Coupled Radial Tanks Engines Class G69-Pipe Connections, Brackets, etc. for Westinghouse Brake with 8/8 1/2" Air Compressor No 4 Driver Valve	3" and 6" to 1' and full size details of components Endorsed: altered 9.34	- .12.19	1919	G69	F6	PT	D 057	-
22547	Boilers for No 1 Class Engines-Arrgt. of Regulator & Internal Pipes and Clips in Boiler	1 1/2" to 1' outline of boiler and 6" to 1' details of internal pipes	- .1.20	1920	A71	F6	PT	D 079	-
22549	Boilers for No 51 Class-Arrgt. of Regulator & Internal Pipes & Clips in Boiler	1 1/2" to 1' outline of boiler and 6" to 1' details of pipes etc.	- .1.20	1920	S56	J69	PT	D 045	-
22557	Four Wheels Coupled Bogie Tank Engines Class S44-Front Cylinder Cover and Steam Chest Covers	3" to 1' elevations and sections	5.1.20	1920	S44	G4	PT	D 011	-
22578	Tenders for 1500 Class Engines-Standard No 10 Mud Plug	Full size elevations of brass plug	- .12.19	1919	S69	B12	PT	D 066	-
22582	Valve Readings	Unscaled table of port openings, etc., at various cut-offs	- .12.19	1919	S69	B12	PT	D 053	-
22590	Blower	Full size details of standard GER blower valve showing different operating handles, levers, etc., for various classes	- .1.20	1920	-	-	PT	D 049	-
22592	Six Wheels Coupled Express Engines Class 1500-Relief Valve for Steam Heating	Full size details of valve	27.1.20	1920	S69	B12	PT	D 005	-
22595	Proposed Blower for Superheater Engines	Full size elevation and section of blower valve mounted on smokebox and detail of valve My comment: not known if proceeded with	- .1.20	1920	-	-	PT	D 004	-
22606	Six Wheels Coupled Express Engines Class 1500-Arrangement of Cylinder Clothing	3" to 1' elevations of front and back end of cylinders and diagram of fixing	6.2.20	1920	S56	B12	PT	D 004	-
22609	Cast Steel Wheels	3" to 1' detail drawing of leading, trailing and driving wheels Endorsed: tyre contours altered My comment: see Dg No 25953 Part for adaptation of old wheel centres to suit standard tyres	- .2.20	1920	T18	J66 J67 J68 J69	PT	D 011	-
22613	Coal Watering Hose and Coupling, and Sand Pipe Clips	Full size drawings of components	- .2.20	1920	S69	B12	PT	D 031	-
22614	Slide Valve	Full size detail	- .2.20	1920	T18	J66 J67 J68 J69	PT	D 012	-
22637	Copper End Brazed to Superheater Flue Tube. W.D. 2-8-0 Locos	Full size details of end at firebox tubeplate 1' 1 1/2" long Copy of Min. of Transport. Dept. of Mech Eng. Drawing No 228	- .1.1.20	1920	W.D. 2-8-0	O4	PT	D 066	-
22640	Six Wheels Coupled Bogie Express Engines Class 1500-Trailing Sand Box Cover Seating	6" to 1' elevations and plan of mahogany seating	6.2.20	1920	S69	B12	PT	D 066	-
22643	Slide Valve	Full size detail	- .2.20	1920	Y14	J15	PT	D 066	-
22646	Six Wheels Coupled Goods Engines Class Y14-Cast Steel Leading, Driving & Trailing Wheels	3" to 1' and full size elevations and sections	17.2.20	1920	Y14	J15	PT	D 088	-
22647	Arrangement of Bolt Holes in Flanges of Davies & Metcalfe's No 10 Exhaust Injector	6" to 1' outline arrangement	- .2.20	1920	S69	B12	PT	D 066	-
22667	Four Wheels Coupled Tank Engines Class P55-Proposed Bar on Top of Blast Pipe	6" to 1' top of blast pipe shown with details of bar My comment: modification of Macallan cap, with a bar across the	26.2.20	1920	P55	F5	PT	D 016	-

		centre of the blast pipe							
22671	Axlebox	Full size detail My comment: flat front on box, used on H14 class tender, with altered socket for spring pillar	- .3.20	1920	S23	-	PT	D 071	-
22678	Six Wheels Coupled Tank Engines Class L77-Leading and Driving Horn Blocks	6" to 1' elevations and plan of leading and driving horn blocks Endorsed: altered 5.34 & 5.35	- .3.21	1921	L77	N7	PT	D 080	-
22684	Six Wheels Coupled Bogie Express Engines Class S69-Arrangement and Details of Detroit Five Sight Lubricator	1½" to 1' arrangement and 3" to 1' and full size details Endorsed: Work to red for engines with smokebox having a single wrapper plate.	- .3.20	1920	S69	B12	PT	D 029	-
22685	Protection Tubes for Oil Pipes in Smokebox	6" to 1' details of tubes Endorsed: work to red for single wrapper plate My comment: double wrapper plate box shown	- .3.20	1920	S69	B12	PT	D 041	-
22686	Intermediate Hornblock	6" to 1' arrangement of hornblock, wedge and hornstay Endorsed: 7/8" square on hornstay studs & square holes in hornstay 3.34	14.3.21	1921	L77	N7	PT	D 039	-
22703	1" Westinghouse Cock Casting	Full size details of casting	- .3.20	1920	-	-	PT	D 043	-
22707	Arrangement & Details of Gear for Working Revolution Counter	1½", 3" and 6" to 1' details of revolution counter mounted on cabside, inside, operated via rods and bell-cranks from small return crank on trailing wheel My comment: shunting engine, 11" throw crank, seven-figure counter	- .3.20	1920	R24	J67 J69	PT	D 045	-
22708	Castings for Injector Steam Cocks	Full size details of castings My comment: Stores Ordering drawing , total of 100 cocks ordered	- .3.20	1920	T18 G69	J66 J69	PT	D 057	-
22715	Clack box Castings	Full size details	- .3.20	1920	S46	D14	PT	D 044	-
22716	Clack Box Castings (Standard)	Full size details of three castings; body, valve and top for standard GER clack box My comment: Stores Ordering drawing	30.3.20	1920	-	-	PT	D 025	-
22800	4.6.0 Engines Type B12-Bogie Axles	3" to 1' details of axles Endorsed: altered 26.6.34 My comment: instructions on machining and treatment of old axles	25.4.28	1928	-	B12	PT	D 019	-
22800 -1	Steel Axles	3" to 1' details of bogie axle for S69 class Endorsed: superseded by Dg No 22800-2 My comment: Stores Ordering drawing	8.11.26	1926	-	B12	PT	D 019	-
22800 -2	Steel Axles	3" to 1' details of bogie axle for B12 class Endorsed: supersedes Dg No 22800-1 My comment: Stores Ordering drawing	29.12.34	1934	-	B12	PT	D 019	-
22802	Details of SYX Electromechanical Train Control	3" to 1' assembly and 6" to 1' and full size details	- .4.20	1920	Y65	F7	PT	D 069	-
22805	Flanges of Engine Valve for Steam Heating for Engines Classes G69 and S56	Full size details of components	20.4.20	1920	G69 S56	F6 J69	PT	D 020	-
22806	Piston Valve & Spindle (with Narrow Rings)	Full size details of components Endorsed: For valve bushes to suit cyls to Dg No 35613 see Dg No 35151 4.46	- .4.20	1920	K85	N7	PT	D 055	-

22807	Alteration to Piston Valve Sleeves 1500 Class	3" to 1' sections showing alteration Endorsed: see Dg No 23240 for two part valve bushing for piston valves with narrow rings	- .4.20	1920	S69	B12	PT	D 068	-
22811	Six Wheels Coupled Radial Tank Engines Class K85-Blast Pipe	6" to 1' elevations and sections of blast pipe	4.12.20	1920	K85	N7	PT	D 055	-
22816	Six Wheels Coupled Radial Tank Engines K85 Class (L77)-Arrangement of Injector Delivery into Dome	3" to 1' arrangement with full size details Endorsed: for side feed on K85 class see Dg No 22843 8.9.31	- .7.20	1920	K85	N7	PT	D 042	-
22819	Six Wheels Coupled Radial Tank Engines Class K85-Piston Valve Bushing for Piston Valve with Narrow Rings	Full size elevations and sections Endorsed: see new tracing same number 2.12.24	15.10.20	1920	K85	N7	PT	D 055	-
22819	Piston Valve Bushing for Piston Valves with Narrow Rings	Full size details of bushing Endorsed: superseded, see amended Dg No 28375; for bushes for all future cylinders to Dg No 35613, see Dg No 3515 4.46	- .12.24	1924	K89	N7	PT	D 049	-
22823	Steel Tubes	Full size details of tubes, 2 1/16" O.D., 11swg My comment: Stores ordering drawing	- .5.20	1920	-	-	PT	D 053	-
22834	Six Wheels Coupled Radial Tank Engines Classes L77, K85 & K89-Cast Steel Leading, Driving and Intermediate Wheels	3" to 1' elevations and sections of wheels 4' 4" diameter on rim and full size section of rim and tyre	14.12.20	1920	L77 K85 K89	N7	PT	D 039	-
22840	Four Wheels Coupled Bogie Express Engines (Class D56) D15-Ashpan Details	Full size details of numerous components Endorsed: altered 20.4.34; altered to red for engines fitted with boiler to Dg No 29803; for arrangement see Dg No 30878; altered 5.6.35	- .4.20	1920	D56	D15	PT	D 004	-
22843 Att	Alteration to Steam Heating Pipe at Footstep	3" to 1' and full size details showing alteration	24.7.46	1946	-	N7	PT	D 008	-
22875 A	Six Wheels Coupled Tank Engines Type N7 (Class K89)-Asbestos Clothing	1 1/2" to 1' plans of mats	24.7.29	1929	K89	N7	PT	D 007	-
22875	Six Wheels Coupled Radial Tank Engines, Class K85, K89-Asbestos Clothing	1 1/2" to 1' details of mats Endorsed: see Dg No 22875A for K89 class, 24.7.29	11.6.20	1920	K85	N7	PT	D 007	-
22875 -A Part	Six Wheels Coupled Radial Tank Engines Class K85, K89, N7-Asbestos Millboard	1 1/2" to 1' details of one end section	11.6.20	1920	K85 K89	N7	PT	D 007	-
22876	Six Wheels Coupled Radial Tank Engines (Class K85)-Back Cab Windows	3" to 1' elevations of windows and full size details of components Endorsed: altered 15.6.38 and 8.38	7.12.20	1920	K85	N7	PT	D 009	-
22886	Six Wheels Coupled Bogie Express Engines Class 1500 and Super Coal Engines Class M27-Piston Valve Bracket with Narrow Ring and Spindle	Full size elevations Endorsed: for two part valve bushing see Dg No 23240 for narrow ringed piston valves	- .8.20	1920	S69	B12	PT	D 022	-
22886	Piston Valve with (Narrow Rings) and Spindle	Full size general arrangement and details Endorsed: collar diameter decreased, from 3 5/16" to 2 15/16", 27.11.33 My comment: as earlier drawing with same number	- .2.34	1934	-	B12 J20	PT	D 022	-
22887	Boilers to Dg No 17602 (Hunslet Engines Co) Foundation Ring GER Dg No 22887-Alterations to Corner	Full size elevations and section and plan of ring Endorsed: Order 39970-five sets; order 39972-five sets; order 39973-ten sets (sic) Copy of Hunslet Engine Co. blueprint Dg No 22337	18.6.20	1920	S69	B12	PT	D 068	-
22973	Automatic Steam Brake Valve	Full size cross-sectional general arrangement	- .10.39	1939	-	-	PT	D 035	-

23148	Six Wheels Coupled Radial Tank Engines Class K85- Brake Details	3" to 1' details of numerous components Endorsed: for angle plate stop on driving and intermediate brake cross beams see Dg No 22410; altered 13.7.33	3.11.20	1920	K85	N7	PT	D 039	-
23148 Part	Brake Hangar Bracket	6" to 1' details of bracket	- .9.50	1950	-	N7	PT	D 064	-
23149	Six Wheels Coupled Radial Tank Engines Class K85- Pipe Connections, Brackets, etc for Westinghouse Brake with 8 1/2" Air Compressor and No 4 Drivers Valve	3" and 6" to 1' details of components Endorsed: undated addition of covering for steam and oil pipes	2.11.20	1920	K85	N7	PT	D 054	-
23149 Att	Combined Elbow & Cock for Oil Pipe to W.H. Pump	Full size details of elbow and cock	- .5.21	1921	-	-	PT	D 039	-
23149 Part	Sketch showing Proposed New Position of W.H. Pump and Additional Fittings Required	1" to 1' arrangement and 3" and 6" to 1' details of pump on smokebox showing smokebox and cab profile	- .7.21	1921	K85	N7	PT	D 045	-
23149 -I	Westinghouse Brake Details-Additional Fittings for Triple & Release Valves	Full size details of five components Endorsed: union for driver's valve deleted, see Dg No 23149 (no date)	- .2.25	1925	-	N7	PT	D 036	-
23155	Six Wheels Coupled Radial Tank Engines (Class K85) Built-Up Crank Axle	3" to 1' elevations of axle Endorsed: superseded by Dg No 24157 6.8.24	- .7.20	1920	K85	N7	PT	D 077	-
23162	Arrangement & Details of Trailing Sandbox	3" to 1' and full size details of two cast iron boxes in cab Endorsed: see Dg No 19279 for sandgear details	- .3.21	1921	L77	N7	PT	D 070	-
23167	Six Wheels Coupled Tank Engines Class T18 Working on E. London Line-Details of Trip-Cock Gear	6" to 1' and full size details of fittings for engine and permanent way My comment: drawing actually refers to R24R class, as no T18 class were condenser fitted for the ELR. Members of R24R class were experimentally fitted with trip-cocks from 1921	- .8.20	1920	R24R	J69	PT	D 017	-
23173	Gong for Tramway Engines	Full size side and end elevations of gong, outline and centres of mounting bracket, but no details of clapper	- .8.20	1920	C53 G15	J70 Y6	PT	D 001	-
23175	Tube Plate Protection Plate	3" to 1' details of plate at bottom of tube plate	- .6.21	1921	T19R	D13	PT	D 047	-
23187	Proposed Protectors for Stone's Sight Feed Lubricators	Full size elevations and plan of protectors 4 and 2 pint lubricator	- .8.20	1920	-	-	PT	D 042	-
23188	Built Up Crank Axle	3" to 1' elevation and section of axle My comment: probably replaces forged type; webs 1/4" wider than axle shown on Dg No 18163 of 1912, journals for big-ends 1/2" narrower	- .9.20	1920	S69	B12	PT	D 054	-
23189	Cab Front Windows	3" to 1' and full size details of frame, hinges and catch	- .11.20	1920	K85	N7	PT	D 067	-
23202	Six Wheels Coupled Coal Engines-Alterations to Piston Valves Support (Leading End) and Flap Plate	3" and 6" to 1' details of support bracket and covers on flap plates My comment: note for D81 Nos. 1270-1274 only, for other details see Dg No 19362	- .9.20	1920	E72 T77 D81	J18 J19 J20	PT	D 012	-
23209	Bracket & Stay for "Regan" Train Control	6" to 1' details of bracket to carry a shoe, but no details of shoe etc.	- .9.20	1920	P55	F5	PT	D 076	-
23210	Six Wheels Coupled Tramway Engines (Class D85)- Arrangement and Details of Ashpan	3" to 1' elevations and plan of ashpan and full size details of fittings Endorsed: work to red 16.12.20	22.10.20	1920	D85	J70	PT	D 001	-
23227	R.H. Main Steam Pipe-Engine No 756	3" to 1' and full size details of pipe showing flange which has possibly been modified	30.9.20	1920	T19R	D13	PT	D 016	-

23228	Sketch showing Method of Securing Tender Tank to Frames	1 ½" to 1' sketch side and end elevations	- .9.20	1920	S23	-	PT	D 082	-
23233	Four Wheels Coupled Tank Engines Class G69-Details of SYX Electro-Mechanical Train Control	3" and 6" to 1' and full size details of components Endorsed: work to red for gear adapted for automatic resetting and speed control Dg No 23342	- .10.20	1920	G69	F6	PT	D 020	-
23236 Part	Electrically Welded Flanges for Steam Pipes	Full size detail of flange	- .2.25	1925	-	N7	PT	D 011	-
23236 Ren	Electrically Welded Flange for Steam Pipes	Full size detail of flange	- .1.32	1932	-	B12 D13 D15 J17 J18 J19 J20 N7	PT	D 011	-
23240	Six Wheels Coupled Bogie Express Engines Class 1500-2-Part Valve Bushing for Piston Valves with Narrow Rings	Full size sectional elevations and development of steam ports on inside and outside of bushing Endorsed: addition to title 'and Super Coal Engines Class M87'	25.10.20	1920	S69 D81	B12 J20	PT	D 005	-
23269	Six Wheels Coupled Radial Tank Engines (Class K85)-Tank Sieve and Details	Full size sectional elevation and half plan sieve lid and securing handle and 3" to 1' section of sieve	8.12.20	1920	K85	N7	PT	D 081	-
23277	Proposed Alteration to Driving Arrangement for 'Ross' Mech' Lubricators for Engines 1000 & 1001	Full size and twice full size ratchet wheel and pawl shown in detail	6.12.20	1920	-	N7	PT	D 030	-
23278	Six Wheels Coupled Radial Tank Engines Class K85-Cast Iron Chimney Base and Hood	6" to 1' sectional elevations and plan of base Endorsed: for chimney and hood for engines class K86 see Dg No 23579 21.9.23	- .11.20	1920	K85	N7	PT	D 050	-
23285	Six Wheels Coupled Radial Tank Engines Classes L77, K85-Reversing Screw and Bracket	3" to 1' elevations and plan of bracket	8.12.20	1920	L77	N7	PT	D 052	-
23287	Six Wheels Coupled Radial Tank Engines Class K85-Chimney	6" to 1' elevation, sectional elevation and plan of chimney	18.12.20	1920	K85	N7	P	D 054	-
23291	"Economique" Spark Arrester	3" to 1' and full size details of arrestor fitted to D56 class engine 1850 My comment: a large convex plate in front of the tubeplate, covering tube area. Patent No 119774 The Liverpool Patents Co. Ltd., 31, Lombard Street., London E.C.	- .12.20	1920	D56	D15	PT	D 043	-
23292	Six Wheels Coupled Tram Engines C53 Class-Connecting Rod	Full size sectional elevation, half plan and sectional half plan of rod and 6" to 1' elevation of complete rod Endorsed: altered 6.4.25	- .12.20	1920	C53	J70	PT	D 001	-
23312	Six Wheels Coupled Bogie Express Engines S69 Class-Cast Iron Steam Pipe Connection	Full size elevations and plan of pipe	29.12.20	1920	S69	B12	PT	D 066	-
23327	Westinghouse Brake. Drivers Brake Valve, 1", ¾", ½" Stop Cocks & Release Valve	Full size details of components	4.8.21	1921	-	-	PT	D 088	-
23327 Part	Drivers Feed Valve Spring	Twice full size details of spring	- .11.25	1925	-	-	PT	D 039	-
23332	Arrangement of Hot Water Boiler Washing Apparatus fitted with Overflow Pipes	Diagrammatic view of apparatus Copy of GWR Dg No 53980 dated -.7.16	12.1.21	1921	-	-	PT	D 088	-

23334	Six Wheels Coupled Goods Engines Class F48 Class-Expansion Bracket for F48 Class Engines with Belpaire Boilers to Dg No 20771	6" to 1' elevations and plan of bracket and full size section showing fixing	1.2.21	1921	F48	J16	PT	D 028	-
23336	Ministry of Transport Pool Locos 2-8-0 Freight Class. Sketch showing Normal and Minimum Clearances between Crosshead and Coupling Rod at Leading Crank Pin	6" to 1' details showing clearance $\frac{3}{8}$ " minimum, $\frac{5}{8}$ " maximum Copy of Ministry of Transport sketch Dg No 243	- .1.21	1921	R.O.D. 2-8-0	O4	PT	D 062	-
23337	Proposed Water Gauge Lamp & Bracket. Ministry of Transport Pool Locos-2-8-0 Freight Class	Full size position of lamp shown Copy of Ministry of Transport Dg No 267	- .1.21	1921	R.O.D. 2-8-0	O4	PT	D 059	-
23338	Engine and Tender Springs Ministry of Transport Pool Locos 2-8-0 Freight Class	1½" and 3" to 1' details of springs shown on six drawings, four of leaf springs and two of coil springs Copy of Ministry of Transport sketch Dg No 261	20.1.21	1921	R.O.D. 2-8-0	O4	PT	D 016	-
23340	Proposed Alteration to Position of Pressure Gauges. Ministry of Transport Pool Locos 2-8-0 Freight Class	1½" to 1' view of upper part of cab showing position of gauges. Copy of Ministry of Transport Dg No 268	20.1.21	1921	R.O.D. 2-8-0	O4	PT	D 016	-
23341	Ministry of Transport Pool Locomotives 2.8.0 Freight Class-Sketch showing Normal and Minimum Distance between Engine and Tender Drag Beams	1½" to 1' details of distances Copy of Ministry of Transport sketch Dg No 235	19.1.21	1921	R.O.D. 2-8-0	O4	PT	D 025	-
23342	Details of SYX Electro-Mechanical Train Control adapted for Automatic Resetting and Speed Control	3" and 6" to 1' and full size details referring to "Boyer" speed recorder converted into governor Endorsed: for other details and dimensions see Dg No 23233	- .1.21	1921	G69	F6	PT	D 061	-
23346	Six Wheels Coupled Bogie Express Engines Class S69-Proposed Footstep on Side of Smokebox	3" to 1' details of footstep	- .1.21	1921	S69	B12	PT	D 008	-
23351	Six Wheels Coupled Radial Tank Engines Class K85 (N7 Type)-Cast Iron Steam Pipe Connection	Full size elevations and plans of connection Endorsed: for future steam pipe connections see Dg No 37027	- .1.21	1921	K85	N7	PT	D 067	-
23351	Cast Iron Steam Pipe Connection	Full size details of connection Endorsed: Tracing made to replace old tracing mislaid 21 March 1933	- .3.33	1933	K85	N7	PT	D 054	-
23363	Six Wheels Coupled Radial Tank Engines K85 Class-7/8" Westinghouse Steam Cock	Full size sections of cock and elevation of wheel Endorsed: altered to red 28.2.23; for K85 Class steam cock see Dg No 23149	- .2.21	1921	K85	N7	PT	D 015	-
23364	Six Wheels Coupled Goods Engines Class D81-Cast Iron Steam Pipe Connection	Full size elevations and plan of pipe connection Endorsed: for future connections see Dg No 31814 5.34	2.4.21	1921	D81	J20	PT	D 077	-
23365	Six Wheels Coupled Goods Engines Class D72-Cast Iron Steam Pipe Connection	Full size elevations and plan of pipe connection Endorsed: for future connections see Dg No 31814 5.34	9.4.21	1921	E72	J18	PT	D 077	-
23373	Six Wheels Coupled Goods Engines F48 Class with Belpaire Boiler to Dg No 20771-Frame and Boiler Stay	3" to 1' elevation and plan of stay in position and full size section of fixing	- .2.21	1921	F48	J16	PT	D 076	-
23396	Experimental Metallic Packing for Valve Spindle	Full size details of four rings split in three parts Endorsed: two engines to be fitted for trial My comment: does not say material	- .2.21	1921	M15R	F4	PT	D 076	-
23400	Six Wheels Coupled Radial Tank Engines Class K85-Internal Copper Steam Pipe	3" to 1' elevation of pipe length 5' 3 5/8" for boiler to Dg No 21978	- .2.21	1921	K85	N7	PT	D 062	-
23405	Six Wheels Coupled Radial Tank Engines K85 Class	Full size section, elevation and plan of cover	- .2.21	1921	K85	N7	PT	D	-



	Type N7-Back Cylinder Cover	Endorsed: altered 3.12.31						055	
23406	Indicator Diagrams Engine no 1793 July 1911 between Liverpool St and Parkeston and back.	Unscaled eight sets of diagrams, load ten bogies, two four-wheel and one six-wheel totalling 47 axles My comment: I.H.P given for each diagram; for example, Manningtree bank $34\frac{1}{2}$ MPH = 815 HP	- .2.21	1921	D56	D15	PT	D 080	-
23409	Arrangement and Details of Handbrake for Old Engine Frames Nos 8 & 9	1" to 1' arrangement of 4 wheeled frame, former 2-4-0 engine and 3" to 1' details of components	17.3.21	1921	-	-	PT	D 087	-
23412	Six Wheels Coupled Radial Tank Engines Class K85-Rod, Pipe and Clothing, Steam Heating and Detroit 5 Sight-Feed Lubricator Details	1½", 3" and 6" to 1' and full size details of numerous components Endorsed: altered 12.21	5.4.21	1921	K85	N7	PT	D 038	-
23412 Att	Bracket for "Mason" Steam Heating Valve & Details for "Detroit" Seven Sight Feed lubricator	6" to 1' and full size details of brackets and pipes My comment: for sight feed lubricator steam cock see Dg No 23722	- .12.24	1924	K89	N7	PT	D 037	-
23416	Alteration to Cab F48 Class with Belpaire Boiler	1½" to 1' dimensioned outline of cab; appears to be alteration to weatherboard for Belpaire boiler My comment: for engines 1150-1188 and 1190-1209	- .3.21	1921	F48	J17	PT	D 046	-
23417	Vacuum Brake Coupling	Full size details of spring pin used by the LSWRy Copy of LSWRy Cos. drawing attached to correspondence 10.3.21 My comment: shows end of coupling and spring pin	14.3.21	1921	-	-	PT	D 025	-
23431	Six Wheels Coupled Radial Tank Engines Class K85-Protection Tubes for Oil Pipes in Smokebox	1½" to 1' arrangement of right hand steam pipe connection and details of components	16.4.21	1921	K85	N7	PT	D 052	-
23450	Four Wheels Coupled Tramway Engines with C53 Class Boilers-Arrangement & Details of Ashpan	3" to 1' arrangement and full size details of ashpan	- .5.21	1921	G15	Y6	PT	D 001	-
23459	Proposed Metallic Packing for Piston Rods	Full size details and arrangement Endorsed: items A, B, C & D are as used for D56 class, to Dg No 10948; see Dg No 24187 for N-7 Piston Rod Packing	- .5.21	1921	K85	N7	PT	D 060	-
23462	Arrangement of Indicating Gear	3" to 1' details of lever, etc., operated from crosshead	- .5.21	1921	R.O.D. 2-8-0	O4	PT	D 063	-
23463	Details of Indicating Gear	3" and 6" to 1' and full size arrangement and details of gear My comment: purpose not stated	- .5.21	1921	R.O.D. 2-8-0	O4	PT	D 035	-
23467	Apparatus for Burning Liquid Fuel-Combined Liquid Fuel Injector & Air Ejector Locomotive Pattern	Full size arrangement and annotated section of injector Endorsed: letter 'N' added, 'Ferrule' substituted for 'Bush' in item 'U', 8.9.21	- .5.21	1921	-	-	PT	D 081	-
23490	Portable Seat for Tank Engines	Full size details of seat to hook over bunker ledge in cab	- .6.21	1921	-	-	PT	D 043	-
23499	Engines Class Y14 with Boiler with Square Bottom Firebox-Position of L.F. Steam Fitting & Ferrules for L.F. Injectors	1½" to 1' position of two-liquid fuel burner	- .6.21	1921	Y14	J15	PT	D 073	-
23508	Position of L.F. Steam Fittings & Ferrules for L.F. Injectors	1½" and 6" to 1' position of liquid fuel injector and fittings for S69 My comment: steam supply taken from steam heat valve; reference to Dg No 301LF	- .6.21	1921	S69	B12	PT	D 057	-
23513	Six Wheels Coupled Goods Engines Class Y14-Arrangement and Details of 'Superior' Tube Cleaner	1½" to 1' arrangement of apparatus shown on section of engine and full size elevation and section of union Endorsed: altered 2.9.21	- .7.21	1921	Y14	J15	PT	D 075	-
23519	Four Wheels Coupled Mixed Traffic Engines Class	1½" to 1' arrangement of valve and connections and 6" to 1' and	- .7.21	1921	T26	E4	PT	D	-

	T26-Arrangement and Details of Special Feed Valve for WH Brake	full size details of components Endorsed: altered 12.10.21						051	
23525	Minimum & Maximum Heights of Water above Firebox Crown, as shown by Water Gauge Column	3" to 1' details of column	- .7.21	1921	S69	B12	PT	D 037	-
23530	Built-Up Crank Axle for Goods Engines Class Y14	3" to 1' side and end elevation	- .7.21	1921	Y14	J15	PT	D 079	-
23541	Diagrams & Dimensions of Engine & Tender Axles	Unscaled diagrams of types of axles and tables of dimensions for all classes	- .- .21	1921	All	-	PT	D 078	-
23545	Six Wheels Coupled Tram Engines D85-Brake Details	3" and 6" to 1' details of cross beams; pull rods; brake shaft; hand brake column; Westinghouse details; hangers; etc. My comment: for engine Nos. 125 and 126 built 1921	- .8.21	1921	D85	J70	PT	D 044	-
23552	Built Up Crank Axle	3" to 1' detail drawing showing left hand crank to lead My comment: for right hand crank to lead see Dg No 23550	- .8.21	1921	T26	E4	PT	D 049	-
23562	Casing for Standard Safety Valves	Full size detail drawing of cast iron casing on steel lower casing	- .9.21	1921	-	-	PT	D 074	-
23566	Compression Test on Bogie Side Control Spring	Unscaled graph of compression versus load for spring rubber to Dg No 18393 assembled with top and bottom plates and spindle to Dg No 17244 My comment: test done in test house	5.8.21	1921	S69	B12	PT	D 080	-
23573	Steam Cock for Mechanical or Sight Feed Lubricator and for Cleaning Superheater Tubes	Full size My comment: see 19159 for seating; see 17772 for apparatus for cleaning superheater tubes	23.9.21	1921	-	-	PT	D 009	-
23576	Steam Cock for Cleaning Superheater Tubes	Full size My comment: placed <u>inside</u> smokebox and takes steam from blower	4.10.21	1921	-	-	PT	D 009	-
23579 Att	Alteration to Chimney & Hood	6" to 1' details of alteration My comment: alteration appears to be to Westinghouse and vacuum exhaust pipes, where they are led into the chimney	- .9.29	1929	-	D15 J16 J17 J18 J19	PT	D 055	-
23581	Six Wheels Coupled Tank Engine 0-6-0 Type Profiles of Experimental Tyres Engine No 296	Full size profiles of "Sorbitic" tyres for all six wheels, measured and drawn at 33402 miles	- .10.21	1921	T18	J66	PT	D 015	-
23582	Six Wheels Coupled Tank Engine 0-6-0 Type-Profiles of Experimental Tyres Engine No 198	Full size profiles of "Sorbitic" tyres for all six wheels, measured and drawn at 26068 miles My comment: L.L. tyres most badly worn	- .10.21	1921	R24R	J69	PT	D 077	-
23583	Six Wheels Coupled Tank Engine 0-6-0 Type-Profiles of Experimental Tyres Engine No 332	Full size profiles of "Sorbitic" tyres for all six wheels, measured and drawn at 37812 miles	- .10.21	1921	R24	J67	PT	D 015	-
23584	Six Wheels Coupled Tank Engine 0-6-0 Type-Profiles of Experimental Tyres Engine No 391	Full size profiles of experimental tyres for all six wheels, measured and drawn at 36752 miles	- .10.21	1921	R24	J67	PT	D 030	-
23585	Six Wheels Coupled Tank Engine 0-6-0 Type-Profiles of Experimental Tyres Engine No 365	Full size profiles of experimental tyres for all six wheels, measured and drawn at 32470 miles My comment: L.T. tyre most badly worn	- .10.21	1921	R24R	J69	PT	D 077	-
23586	Six Wheels Coupled Tank Engine 0.6.0 Type-Profiles of Experimental Tyres Engine No 356	Full size profiles of experimental tyres for all six wheels, measured and drawn at 35184	- .10.21	1921	R24R	J69	PT	D 015	-
23588	Steel Firebox Stays for R.O.D. Engines	Full size details of three types	- .10.21	1921	R.O.D.	-	PT	D 025	-
23596	Diagram showing 1500 Class Engine on 6 Chain	1½" to 1' diagram indicates wheels only	- .10.21	1921	S69	B12	PT	D	-

	Curve							008	
23601	Arrangement and Details of Alterations to Brakework for Yard Crane Engines (205 Class)	1½" to 1' arrangement of brakework and 6" to 1' details of 13 components	15.12.21	1921	205	J92	PT	D 021	-
23628	Arrangement and Details of Bogie Slide Control Springs	3" and 6" to 1' and full size scrap view of bogie slide and drawings of components Endorsed: altered 3.5.22 My comment: cross refer to Dg No 17244 for bogie details, S69 class; see Dg No 23985 for bogie details, D56 and H88 classes	- .1.22	1922	S69 D56 H88	B12 D15 D16	PT	D 032	-
23628 Part	Helical Springs for Bogie Slide Control	Full size details of helical spring 5 <sup>9</sup> / <sub>16</sub> " x 10½" Endorsed: see Dg No 27666 for B12 engines built in 1928	- .1.22	1922	S44 S69 T19R H88	G4 B12 D13 D16	PT	D 032	-
23632	Air Valve for 8"/8½" W.House Pump	Full size details of small single-beat valve	- .12.21	1921	-	-	PT	D 072	-
23635	New Position for Lampholder on T18 Class Engines	1½" to 1' details of position of water gauge lampholder My comment: tapped hole in boiler backplate, position relative to centre-line	- .12.21	1921	T18	J66	PT	D 071	-
23638	Six Wheels Coupled Radial Tank Engine-Class K85- Flange Seating for ½" Screw-down Valve (Used Instead of 1" Steam Plug Cock) for Detroit Five Sight-Feed Lubricator	1½" to 1' and full size details of flange seating and profile of cab shown and lubricator My comment: see Dg No 18253 Att for bottom flange; see Dg No 22843 for oil pipes from lubricator	7.1.22	1922	K85	N7	PT	D 014	-
23641	Thickness of Crosshead Cotters on the Various Classes of Engines	Unscaled small table of classes	- .1.22	1922	All	-	PT	D 078	-
23642	Arrangement for Securing Protectors to Stone's 4 Pint Sight Feed Lubricator	Full size details of fixing	- .3.22	1922	-	-	PT	D 077	-
23653	Piston Rods-Diameters when New and When Scrapped	Unscaled diagram Endorsed: superseded, see Dg No 33428' My comment: between 3/16" and 1/8" on diameter, difference	- .2.22	1922	All	-	PT	D 075	-
23663 -I	Weldless Steel Crank Hoops	Unscaled details of circular webs My comment: Stores ordering drawing	- .2.22	1922	S69	B12	PT	D 071	-
23681	"Isothermos" Axlebox	Full size diagram showing contours and clearances at the ends of the bearing	23.2.22	1922	-	-	PT	D 009	-
23682	Coupling Rod Crank Pins-Diameters when New and When Scrapped	Unscaled schedule of dimensions applicable to 25 classes of GER locos My comment: 1/8" - 1/4" allowed; age limit – 15 years	- .2.22	1922	-	-	PT	D 009	-
23683	Valve Spindles-Diameters when New and When Scrapped	Unscaled schedule of dimensions applicable to 26 classes of locos My comment: typically 3/16" wear allowed on diameter	- .2.22	1922	-	-	PT	D 009	-
23693	(Driving Axlebox Bearing-E72 Class Connecting Rod Big End Brass- S46, F48)	Unscaled calculations of bearing pressures and proportion of white metal to total bearing area	- .4.22	1922	E72 S46 F48	J19 D14 J16	PT	D 074	-
23696	Arrangement and details of Alteration to Steam Heating Gear	1½" to 1' and full size details of pipework and full size fittings My comment: connects to condensing gear	24.3.22	1922	G69	F6	PT	D 009	-
23720	Shelves for Cupboards on Tenders	Unscaled details for large and small cupboards, one of each to be fitted for trial	- .4.22	1922	-	-	PT	D 034	-
23722	Dewrance ½" Stop Cock	Full size outline drawing of gunmetal valve	- .4.22	1922	-	-	PT	D	-

		My comment: use unknown						077	
23728	Profiles of Thick & Thin Flange Tyres on Rails	Full size profiles	- .5.22	1922	-	-	PT	D 042	-
23729	Springs for Axle-Box Controlling Gear	Full size details showing coil spring with '6 effective coils' My comment: load when compressed 0.35 to 0.4 Ton	- .5.22	1922	K89	N7	PT	D 009	-
23730	Hole & Cover to be made on Trailing Sand Boxes on T18 Class Engines	3" to 1' details of access to sand valve Endorsed: one engine to be fitted for trial	- .5.22	1922	T18	J66	PT	D 038	-
23741	Arrangement of Windows and Protectors for Tender Weather Plate	6" to 1' arrangement of seven vertical $\frac{3}{8}$ " dia. bars	- .5.22	1922	S23	-	PT	D 034	-
23750	Sketch Showing Positions of Westinghouse & Vacuum Brake Pipes on Engine and Tender Buffer Beams	3" to 1' details of positions of equipment	14.6.22	1922	-	-	PT	D 034	-
23757	Six Wheels Coupled Tank Engines Class R24- Arrangement and Details of Cab Side Doors	1½" to 1' details and fitting	- .7.22	1922	R24	J67	PT	D 027	-
23775	Crank Axle of Radial tank Engine No 96 Shewing Flaw in Red Lines	3" to 1' details	- .7.22	1922	M15R	F5	PT	D 034	-
23778	Proposed Trip Gear for S.Y.X. Train Control at Stop Signals	1½" and 3" to 1' details of six components and arrangement	- .7.22	1922	-	-	PT	D 015	-
23779	Coal Watering Pipe to be Connected to Right Hand Injector instead of Left Hand Injector as shewn in Red on Sketch	1½" to 1' part end elevation of engine showing connection	- .7.22	1922	-	-	PT	D 034	-
23781	Crank Axle of Express Engine No 1538 shewing flaw in red lines	3" to 1' outline of forged crank axle, which has circular webs, and position of flaw	- .7.22	1922	S69	B12	PT	D 028	-
23783	India-Rubber Stop for Moveable Window in Cab Side	6" to 1' details of stop My comment: for wood framed window to Dg No 11630	- .7.22	1922	-	-	PT	D 037	-
23784	Six Wheels Coupled Coal Engines M87 Class (D81)- Arrangement and Details of 'Detroit' Six Sight Feed Lubricator	Full size details of components and 1½" to 1' arrangement located in cab Endorsed: altered for engine with Lentz valve gear	- .8.22	1922	M87	J20	PT	D 065	-
23784 Att	Arrangement of Detroit Seven Feed Sight Feed Lubricator	1½" to 1' outline of cab showing lubricator	- .3.25	1925	D81	J20	PT	D 041	-
23784 Att	Arrangement & Details of Detroit Six-Feed Lubricator	3" and 6" to 1' arrangement of lubricator in cab with bracket details Endorsed: for arrangement of dropgrate see Dg No 35800	- .11.45	1945	-	J20/1	PT	D 086	-
23785	(Indicator Diagrams from) Eng. 1500	Unscaled small drawing with two diagrams of right hand and left hand cylinders, up Brentwood Bank; I.H.P. = 1105.6 H.P. Endorsed: To accompany Mr Hill's letter ref. June 2 <sup>nd</sup> 1922 to Mr. Blacklock	- .6.22	1922	S69	B12	PT	D 074	-
23790	Arrangement of Weather Plate for S23 Class Tender Y14 Class Engine	1½" to 1' elevations and plan of plate and 6" to 1' and full size details of fittings Endorsed: altered 2.8.22	- .7.22	1922	S23 Y14	J15	PT	D 088	-
23822	Six Wheels Coupled Express Engines Class S69- Details for Westinghouse Brake with 6 ½"/12" Air Compressor	3" and 6" to 1' and full size details of components	31.10.22	1922	S69	B12	PT	D 020	-
23827	Proposed Section for 4½" x ½" Top and Bottom Spring Plates	Full size details of section	- .10.22	1922	-	-	PT	D 009	-
23829	Bogie Axle D56 Diameter at Centre Increased from	3" to 1' elevation of steel axle	10.7.22	1922	D56	D15	PT	D	-

	5" to 5 1/4"							009	
23829 -I	Steel Axles	3" to 1' elevation of steel axle with dimensions	28.5.29	1929	D56	D15	PT	D 009	-
23834	Stay Clip for Right Hand Injector Steam Pipe (1 1/2" Internal Diameter)	1 1/2" and 3" to 1' details of clip	- .10.22	1922	S69	B12	PT	D 039	-
23837	Sketch Showing Position for Stamping Date of Manufacture on Connecting and Coupling Rods, Screw Couplings and Shackles, Draw Hooks and Valve Spindles	3" to 1' sketches of 9 components showing stamping position Endorsed: altered 23.11.22	31.10.22	1922	-	-	PT	D 054	-
23844	Sketch Showing Proposed Back Door and Gear for Ashpan	3" to 1' sketch arrangement	- .11.22	1922	T26	E4	PT	D 056	-
23845	Alteration to Position of Brake Release Valve on Tenders	3" to 1' arrangement and full size details of position	20.11.22	1922	-	-	PT	D 088	-
23846	Four Wheels Coupled Express Engines Class 1900 with 5'0" Diar. Boiler-Boiler Stays	3" to 1' elevations and plans of 7 types of stay Endorsed: altered 7.12.22 and 24.7.51	22.11.22	1922	D56	D15	PT	D 029	-
23854	Four Wheels Coupled Bogie Express Engines Class 1900 with 5'0" Diameter Boiler-Sets of Steam Pipes for Superheater	3" to 1' details of two types	22.11.22	1922	D56	D15	PT	D 018	-
23858	Four Wheels Coupled Bogie Express Engines Class 1900 with 5Ft 0Ins Dia. Boiler-Cover Plate	6" to 1' elevation and plan of plate Endorsed: altered 7.4.23	- .11.22	1922	D56	D15	PT	D 072	-
23860	Four Wheels Coupled Bogie Express Engines Class H88-Cab Front Windows	3" to 1' elevations of windows and full size details of components	29.12.22	1922	H88	D15	PT	D 039	-
23863	Four Wheels Coupled Express Engines Class 1900 with 5' 0" Dia. Boiler-Reversing Shaft	6" to 1' details of shaft and fittings	5.12.22	1922	D56	D15	PT	D 040	-
23889 Att	7 1/2 In Diameter Flat Seating-Cast Iron Base for 2 1/2 In Ross Pop Safety Vale for Engines Classes D15, D16 & N7	Full size side elevation and plan of base	- .10.27	1927	-	D15 D16 N7	PT	D 037	-
23889	Four Wheels Coupled Bogie Express Engines 1900 Class with 5'0" Diameter Boiler-Base for 2 1/2" Ross Pop Safety Valve	Full size elevations and plan of base Endorsed: also used for N7 Gorton built engines	13.1.23	1923	D56	D15 N7	PT	D 029	-
23890	Steel Superheater Smokebox with Screwed End	Full size details of smoke tubes 12' 3 7/8" long and 4 1/4" diameter inside	- .1.23	1923	D56	D15	PT	D 034	-
23892	Four Wheels Coupled Bogie Express Engines D16/3 Class-Blast Pipe for Engines with Superheater and Weir Pump	6" to 1' elevation, section and plan of blast pipe Endorsed: work to red for J17 with superheater; altered 28.10.43	17.1.23	1923	-	D16/3 J17	PT	D 018	-
23899	D56 Class Boiler-Diagram Showing Holes for Superheater Smoketubes in Tubeplates	1 1/2" to 1' elevations of tubeplates for Superunit (?) and Robinson	- .12.22	1922	D56	D15	PT	D 061	-
23908	Four Wheels Coupled Bogie Express Engines 1900 Class with 5'0" Diar. Boiler 5 1/2" Regulator	Full size sections and elevation of regulator and valve Endorsed: altered for new work 3.10.56; boilers to Dg No 29803 D14-16, J16-19 Types 2.11.31	10.1.23	1923	H88	D15	PT	D 058	-
23908 Ren	Four Wheels Coupled Bogie Express Engines 1900 Class with 5' 0" Dia. Boiler Engine Types D14, D16, J16-19 with Boilers to Dg No 29803-5 1/2" Regulator	Full size sections, elevations and plans of regulator Endorsed: altered up to 3.10.56 My comment: large piece at right hand corner of drawing missing	-	-	-	D14 D16 J16 J17 J18	PT	D 085	-

						J19			
23951	Four Wheels Coupled Bogie Express Engines Class 1900 with 5'0" Diameter Boiler-Asbestos Clothing	1½" to 1' details of mats	3.4.23	1923	D56	D15	PT	D 008	-
23953	Castings-Standard Cylinder Cock	Full size elevation, section and plan of cock Endorsed: formerly Dg No 6101 My comment: Stores ordering drawing	- .1.19	1919	-	-	PT	D 035	-
23954	Castings-Blower Cock (Spherical Type)	Full size elevation, section and plan of cock Endorsed: formerly Dg No 6102 My comment: Stores ordering drawing							
23955	Castings: Steam Brake Valve Body	Full size elevation, section and plan of valve body Endorsed: formerly Dg No 6103 My comment: Stores ordering drawing							
23956	Castings: Axlebox Bearing	Full size elevation, section and plan of bearing Endorsed: formerly Dg No 6104 My comment: Stores ordering drawing							
23957	Four Wheels Coupled Bogie Express Engines H88 Class, Type D16-Arrangement and Details of Injector Delivery into Dome	3" and 6" to 1'; sections of dome and details of fittings	20.2.23	1923	H88	D16	PT	D 008	-
23963	Engines Working on East London Railway P55 Class-Arrangement and Details of Alterations to Trip Cock Gear	6" to 1' and full size details of components	13.2.23	1923	P55	F5	PT	D 061	-
23963 Att	Engines Working on East London Railway P55 Class-Arrangement and Details of Further Alterations to Trip Cock Gear	6" to 1' and full size details of components	- .6.23	1923	P55	F5	PT	D 060	-
23964	Rod, Pie and Clothing Details	1½", 3" and 6" to 1' and full size details of components	- .6.25	1925	H88	D16	PT	D 040	-
23966	Four Wheels Coupled Bogie Express Engines Class 1900 with 5'0" Dia. Boiler-Frame and Boiler Stay	3" to 1' elevation and plan of stay in relation to frame and full size section of fixing	20.2.23	1923	D56	D15	PT	D 040	-
23967	Sets of Vacuum Brake Pipes	Full size details on 4 sheets of 2" diameter pipes	- .3.23	1923	H88	D16	PT	D 041	-
23980	Ashpan Details	Full size details of numerous components Endorsed: altered 4.34 for engine fitted with boiler to Dg No 29803; extra component added 4.11.32	- .3.23	1923	H88	D16	PT	D 032	-
23981	Four Wheels Coupled Bogie Express Engines Class 1900 with 5'0" Boiler-Blower Socket and Gear	Full size elevation, section and plan of components	28.2.23	1923	H88	D16	PT	D 023	-
23985	Four Wheels Coupled Bogie Express Engines Class D16 with 5'0" Diameter Boiler-Bogie Details	3" and 6" to 1' details of components Endorsed: see Dg No 32189 for stayed dust shield 12.34	- .5.23	1923	H88	D16	PT	D 034	-
23992	Trial Links for water Pick Up Gear for Tenders	6" to 1' details of two types of link	- .3.23	1923	-	-	PT	D 034	-
23993	Four Wheels Coupled Bogie Express Engines H88 Class-Arrangement and Details of Gear for Ejecting Smokebox Ashes	1½" and 6" to 1' arrangement and full size details of gear	- .3.23	1923	H88	D16	PT	D 034	-

24001	Radial Tank Engines K89, L77-Tube Plate Diagrams	1½" to 1' elevations of front and back plates	- .3.23	1923	L77 K89	N7	PT	D 008	-
24009	Automatic Drain Valve for Cylinders E72 Class	Full size details of valve and pipe run	- .3.23	1923	E72	J18	PT	D 008	-
24009 Att	Alteration to Automatic Drain Valve for Cylinders E72 Class	Full size details of alteration	- .6.24	1924	E72	J18	PT	D 009	-
24009 Part	Automatic Drain Valve for Cylinders E72 Class	Full size part arrangement showing additional drain holes	19.8.25	1925	E72	J18	PT	D 010	-
24010	Four Wheels Coupled Express Engines Class H88-Arrangement of Davies & Metcalfe's No 9 Exhaust Steam Injector	1½" to 1' arrangement of injector shown on outline elevation and plan of engine frame and cab Endorsed: for details see Dg No 24011; altered 18.5.36	- .4.23	1923	H88	D15	PT	D 018	-
24011	Four Wheels Coupled Express Engines Class H88-Details of Daviers & Metcalfe's No 9 Exhaust Steam Injector Gear	3" to 1' and full size details of 16 components Endorsed: see Dg No 9639 for feed cock	- .5.23	1923	H88	D16	PT	D 009	-
24015	Great Eastern Six Wheels Coupled Bogie Express Engines Class S69-Diagram Showing Relative Position of Coupling Rod and Crank	¾" to 1' diagram	7.4.23	1923	S68	B12	PT	D 010	-
24016	Built Up Crank Axle for Six Wheeled Coupled Bogie Express Engines Class S69	3" to 1' elevation and section of crank axle	- .4.23	1923	S69	B12	PT	D 008	-
24016	Built Up Crank Axle for Six Wheeled Coupled Bogie Express Engines Class S69	3" to 1' elevation and section of crank axle Endorsed; renewal of tracing dated 4.23 from Doncaster Dg No 184-T; altered 5.5.42 and 10.10.52	- .4.37	1937	-	B12	PT	D 010	-
24025 Part	4-6-0 Express Engines Class 1500-Diagram Showing Bending and Twisting Moments in Crank Axle with Coupling Rods on Opposite Side of Axle to Cranks	3" to 1' and 1" to 100 tons/inches bending moment diagram	- .4.23	1923	-	B12	PT	D 011	-
24027	Arrangement of Vacuum Brake Pipes	1½" to 1' details of ejector and piping fitted to Westinghouse brake passenger engines with wide cabs on outline of engine	- .1.24	1924	S56	B12	PT	D 037	-
24027 Att 1	Alterations to Vacuum Brake Pipes	1½" and 3" to 1' details of alterations and arrangement of pipes	- .6.23	1923	G75	J68	PT	D 037	-
24027 Att 2	Arrangement of Vacuum Pipes for Engines with Narrow Cabs	1½" to 1' details of vacuum ejector and exhaust pipe arrangement in cab	- .1.24	1924	R24	J67 J69	PT	D 038	-
24027 Att 3	Alterations to Position of Vacuum Ejector, Steam Cock & Details of Altered Drivers Valve Bracket etc.	1½", 3" & 6" to 1' details of position of Vacuum Ejector etc as shown on Dg No 24027 Att 2	- .4.24	1924	R24 S24	J67 J69	PT	D 037	-
24027 Att 4	Proposed Additional Clip for Securing Vacuum Pipe to Leading Buffer Beam	3" to 1' details	- .6.26	1926	-	J67 J69	PT	D 037	-
24027 Att 5	Alteration to Vacuum Brake Pipes to Suit Engines Fitted with Lever Reversing Gear.	1½" to 1' position of vacuum ejector and piping shown to suit longer boiler for engines with narrow cabs on part outline of cab	- .7.26	1926	R24 S24	J69	PT	D 037	-
24028	Vacuum Brake Details	6" to 1' details of clips, brakes, steam cock etc.	- .5.23	1923	S56 R24 S24	J67 J69	PT	D 067	-
24030	Four Wheels Bogie Express Engines H88 Class with 5 Ft Dia. Boiler-Brake Details for WH and Vacuum	3" and 6" to 1' and full size details of various components Endorsed: altered for GE class N7 engines 19.5.39	- .5.23	1923	H88	D15	PT	D 070	-
24030 -1	Details of Vacuum Exhaust Pipe	Full size details	- .1.25	1925	-	N7	PT	D 090	-

24030 -I	Vacuum Exhaust Pipe Elbow for 4-6-0 Engines Type B12	6" to 1' detail of smokebox arrangement	- .5.28	1928	-	B12	PT	D 090	-
24030 Part	Vacuum Exhaust Elbow on Smokebox	6" to 1' details Endorsed: altered to red 11.5.39	- .1.25	1925	-	N7	PT	D 036	-
24061	Footboards	1½" & 3" to 1' details of footboards in cab Endorsed: altered in red for engines with boilers to Dg No 29803 (D16/3)	- .- .23	1923	H88	D16	PT	D 070	-
24066	Proposed Method of Fitting Locks to Engine Toolboxes	Full size detail showing part of GE type toolbox and proposed fitting	- .5.23	1923	-	-	PT	D 016	-
24069	Six Wheels Coupled Bogie Express Engines- Arrangement of 'Superior' Tube Cleaner S56	1½" to 1' elevations and plan of gear in relation to firebox	- .5.23	1923	S56	B12	PT	D 043	-
24076	Combined Injector Steam Cock & Isolating Cock for Vacuum Ejector	Full size details Endorsed: superseded by Dg No 24076-I 3.10.29	- .6.23	1923	S56 G75	J69	PT	D 057	-
24076 -I	Combined Injector Steam Cock & Isolating Cock for Vacuum Ejector	Full size details Endorsed: 1 only on R H side for 180 psi boilers	- .10.29	1929	S56	J69 F7	PT	D 049	-
24112	Liner For Westinghouse Brake Cylinder To Suit 9" Diameter Steam Brake Piston	Half size detail of Westinghouse brake cylinder lined down from 1' 1" to 9" Endorsed: for S56 with Vacuum & Westinghouse Brake	- .7.23	1923	S56	J69	PT	D 055	-
24114	New Standard Tyre Profiles	Full size details of profiles Nos. 1, 2 & 3	- .7.23	1923	-	-	PT	D 079	-
24115	9" Dia. Steam Brake Piston to Suit Liner for Westinghouse Brake Cylinder	6" to 1' details Endorsed: for liner see Dg No 24112	- .7.23	1923	S56	J69	PT	D 055	-
24119	Data From Locomotive Ratios by Cole	Unscaled details of boiler and cylinder horsepower; table of evaporation rates from tubes of various lengths & spacings. Copy of print sent from Doncaster with Mr Wintour's letter of 13.7.23	- .7.23	1923	-	-	PT	D 078	-
24122	Fire Bricks for Brick Arches on S69 Class Engines- GN Style	3" to 1' details of 7 types of bricks Endorsed: for arrangement of arch see Dg No 24147	10.8.23	1923	S69	-	PT	D 006	-
24123	Fire Bricks for Brick Arches on S69 Class Engines- GC Style	3" to 1' details of 4 types of bricks Endorsed: for arrangement of arch see Dg No 24148	10.8.23	1923	S69	-	PT	D 006	-
24132	Locomotive Wheels & Axles Diagram Showing Position of LNE-E Number, Markers Initials, Date & Blow Number	4" to 1' details of markings	- .7.23	1923	-	-	PT	D 068	-
24134	8" & 10" GN Piston Valves Arranged for GE Pattern Rings	Full size detail of piston valve heads and rings Copy of GN Dg Nos 240 MV & 245 MV	- .8.23	1923	-	-	PT	D 068	-
24141	Experimental Water Scoop for Tenders	3" to 1' detail of scoop portion only My comments; bottom portion 16 gauge bolted on	- .8.23	1923	-	-	PT	D 069	-
24147	Arrangement of Brick Arch on S69 Class Engines Showing GN Style of Brick Arch	1½" to 1' section through firebox	- .8.23	1923	S69	B12	PT	D 068	-
24148	Arrangement of Brick Arch on S69 Class Engines Showing GC Style of Brick Arch	1½" to 1' section through firebox	- .8.23	1923	S69	B12	PT	D 042	-
24149	Six Wheels Coupled Radial Tank Engines Class K89- Boiler	1½" to 1' elevations, sections and plans of Belpaire boiler with full size details of riveting	-	-	K89	N7	P	D 062	-
24149 Att	Alteration to Dome for Engines Built at Gorton	3" to 1' details of alteration My comments; original tracing showing clacks on dome for top feed	- .10.24	1924	-	N7	PT	D 069	-



24149 Att	Alteration to Dome for Engines Built at Gorton	3" to 1' details of alteration My comments; T.T.S copy of original tracing showing clacks on dome for top feed	- .10.24	1924	-	N7	P	D 069	-
24155	Six Wheels Coupled Goods Engines-Y14 with Boilers to Dg No 9430-Proposed Alteration to Frames to Suite Boilers to Dg No 10289	3" to 1' detail to adapt frames to bevel fireboxes, piece welded in frames to match later engine outline My comment; probably not done, patch method used instead, see Dg No 30398	- .8.23	1923	Y14	J15	PT	D 079	-
24156	Built-Up Crank Axle	3" to 1' elevations and section of axle My comment; 'T18' means J66-69	- .1.24	1924	T18	J66 J67 J68 J69	PT	D 047	-
24157	Built-Up Crank Axle	3" to 1' elevations and section of axle Endorsed; amended to BR Specification	- .4.24	1924	L77	N7	PT	D 012	-
24158 -1 to 4	Sets of Vacuum Brake Pipes	Unscaled list and sketches of pipes arranged on drawing as sheets Nos 1 to 4	- .10.23	1923	K89	N7	PT	D 012	-
24167	Indicator Diagrams for Engine No 1805-22 Aug 1923	Unscaled indicator diagrams taken on 4.48pm Liverpool St to Southend & 7.19pm Southend to Liverpool St. Endorsed; left hand & right hand cylinders indicated	- .8.23	1923	-	-	PT	D 042	-
24181	Boiler Wash-Out Plugs	Full size elevation of plugs and table of dimensions	- .9.23	1923	-	-	PT	D 018	-
24182	Sketch Showing Proposed Standard Wash-out Plug in Position in Firebox Side & Back Plate	Full size elevation of plug and cover Endorsed; as plug to Darlington Dg No 10494	- .9.23	1923	-	-	PT	D 018	-
24187	Cast Iron Packing for Piston Rods	Full size elevation and section of components Endorsed; altered 24.9.24 & 25.6.30	- .10.23	1923	L77 D56 T19R F48	N7 D15 D13 J17	PT	D 035	-
24187 Part	Spring for Cast Iron Packing for Piston Rods	Full size arrangement Endorsed; spring superseded by GN helical spring No 120 Copied from Doncaster Dg 280-IMV	- .11.23	1923	L77 D56	N7 D15	PT	D 035	-
24187 Part	Clip Spring for Piston Rod Cast Iron Packing	Full size details of spring	- .12.37	1937	-	N7 D15 D13 J17	PT	D 049	-
24187 Ren	Cast Iron Packing for Piston Rods	Full size details of packing (Traced by JAG)	- .7.50	1950	-	D15 D16 J17 N7	PT	D 085	-
24187 -1	Spring for Cast Iron Packing for Piston Rods	Full size details of spring	- .3.45	1945	-	D15 D16 J17 N7	PT	D 042	-
24188	2-4-2 Engine Class C32 on 5 Chain Curve When Engine is New and with 4' 8½" between Insides of Rail;s	1½" to 1' plan of wheels on rails, comparing existing tyre profile with new standard profile	5.10.23	1923	C32	F3	PT	D 027	-
24192	Details of Motion	Full size details of links, die blocks, inner spindles and suspension	- .10.23	1923	F48	J17	PT	D	-

		links			G58			012	
24193	Standard Washout & Fusible Plugs	Full size details of plugs Endorsed; traced from Darlington Dg No 10494 6.1.23; altered 23.10.23 to agree with Dg No 10494 19.10.23; altered 11.9.24 to agree with Dg No 11030D 5.9.24	- .10.23	1923	-	-	PT	D 045	-
24193 Att 2	Long Washout Plug	Full size details of plug	- .5.25	1925	-	-	PT	D 045	-
24261	Sketch Showing Proposed Arrangement of Pressure Gauges on Cab Front Plate	1½" to 1' details of steam heat gauge fixed on cab front plate instead of left hand plate My comments; shows position of gauges	- .10.23	1923	K89	N7	PT	D 055	-
24271	Non Triplex Glass for Cab Windows	3" to 1' detail for classes B12 & D16 side on round Firebox ; Y4 front & No 8 standard side	10.11.37	1937	-	-	PT	D 006	-
24279	Relative Positions of Bottom of Water Gauge Glass and Top of Firebox on GE Engines	Diagram with schedule of dimensions Endorsed: altered 9.1.34	- .11.23	1923	-	-	PT	D 072	-
24288	Model of 'Lentz' Valve Gear for 0-6-0 Goods Engines D81 Class	3" and 6" to 1' arrangement of gear Endorsed: see Dg No 24306 for details	15.11.23	1923	-	-	PT	D 025	-
24299 -1	Six Wheels Coupled Bogie Express Engines B12 Class-Sets of Vacuum Brake Pipes (Solid Drawn Steel)	Drawing divided into 4 sheets: Sheet 1-schedule of pipes with length and description Sheet 2-sketches A and B Sheet 3-sketches C, F and G Sheet 4-sketches D and E	2.3.28	1928	S69	B12	PT	D 007	-
24299 1 and 2	Six Wheels Coupled Bogie Express Engines Type B12-Vacuum Brake Pipes S69 Class	Drawing divided into 4 sheets: Sheet 1-schedule of pipes with length and description Sheet 2-sketches A and B Sheet 3-sketches C, F and G Sheet 4-sketches D and E Endorsed: drawing altered from 24299 to 24299-1 3.12.27; see Dg No 24299-2A for B12 engines built by Beyer, Peacock and tenders built by North British Loco Co	21.1.24	1924	S69	B12	PT	D 007	-
24299 – 2A	4-6-0 Engines Type B12 Vacuum Brake Pipes	1½" to 1' schedule and 3 sheets of drawings of brake pipes. Endorsed; this tracing amended from Dg No 24299-2 for engines B12 type built by Beyer Peacock & Co	16.7.28	1928	-	B12	PT	D 007	-
24306	Details of Model of 'Lentz' Valve Gear	3" & 6" to 1' details of component parts	- .11.23	1923	-	-	PT	D 007	-
24315 - 2	Six Wheels Coupled Tank Engines J69 Narrow Cabs, Fitted with Steam Heating-Sets of Vacuum Brake Pipes	1½" to 1' schedule of components and 2 sets of pipe drawings. Endorsed; tracing supersedes Dg No 24315	4.10.26	1926	-	J69	PT	D 007	-
24315 -1	Six Wheels Coupled Tank Engines R & S24-Sets of Vacuum Brake Pipes	1½" to 1' details for engines fitted with steam heating Endorsed; tracing supersedes Dg No 24315	4.10.26	1926	R24 S24	J67 J69	PT	D 007	-
24315 -4	Sets of Vacuum Pipes for J68 & J69 with Wide Cabs	1½" to 1' details of pipes with schedule on 2 sets of sheets Endorsed; tracing supersedes Dg No 24315 MY comments; these pipes are for engines fitted with steam heating	4.10.26	1926	-	J68 J69	PT	D 006	-
24315 -5	Six Wheels Coupled Tank Engines R & S24 Fitted with Lever Reversing Gear-Sets of Vacuum Brake Pipes	1½" to 1' details of pipes with schedule of components on 2 sets of sheets Endorsed; tracing supersedes Dg No 24315	4.10.26	1926	R24 S24	-	PT	D 007	-

24318 -3	Set of Vacuum Pipes for S56 Class	1½" to 1' details of pipes with schedule on 2 sets of sheets Endorsed; tracing supersedes Dg No 24315 My comments; for engines not fitted with steam heating	4.10.26	1926	-	J68 J69	PT	D 006	-
24350 -1 to 4	Vacuum Brake Pipes	1½" to 1' details of pipes on 4 sheets for superheated engines: Sheet 1 parts schedule Sheet 2 pipes sketches A-D Sheet 3 pipes sketches E, F & K Sheet 3 pipes sketches G & H Endorsed; pipe D lengthened to suit new type Westinghouse & vacuum valves 17.1.28	- .12.23	1923	-	D15	PT	D 036	-
24350 Part 4	Steel Tubes for Vacuum Brake	1½" to 1' details of pipe for superheated engines Sheet 4 Pipe H	- .9.28	1928	-	D15	PT	D 036	-
24351	Sketch of Firebox Showing Brick Arch & Deflector Plate	1½" to 1' details My comment; no dimensions given	- .12.23	1923	-	-	PT	D 042	-
24365	Superheater Smoke Tubes As Ordered and as Fitted in Boiler	Full size; two sketches and description of fitting method, screwed into firebox tube plate and expanded into tubeplate at front	- .1.24	1924	-	-	PT	D 049	-
24366	Smoke Tubes as Ordered and as Fitted in Boiler	Full size details of the method of fitting tubes	- .1.24	1924	-	-	PT	D 044	-
24372	Arrangement and Detail of Safety Chain for Reversing Wheel	3" to 1' & full size detail and elevation of wheel	- .1.24	1924	-	-	PT	D 090	-
24378	Six Wheels coupled Goods Engine Class D81 Built- Up Crank Axle	3" to 1' elevations of crank axle Endorsed; radii on crank-pins altered 2.10.40	- .2.24	1924	D81	J20	PT	D 004	-
24404	Vacuum Brake Pipes	Full size details of pipes divided into three sheets, 2" vacuum 2 3/8" exhaust	- .3.24	1924	S44	G4	PT	D 057	-
24406	Alternative Method of Fixing Locks to Engine Cupboards	Full size sketches of 3" iron cupboard locks on double and single door cupboards	- .2.24	1924	-	-	PT	D 035	-
24413	Sections of Big Ends Straps for Connecting Rods- Showing Diameter of Bolt Holes when New & Maximum Diameter under Bolt Heads allowed before Being Scrapped	3" to 1' details of 7 types shown together with class and number of engine applicable Endorsed; note dated 23.7.29 relating to addition of 7000 to engine numbers; drawing renewed 31.10.34	- .2.24	1924	-	-	PT	D 018	-
24413 Ren	Sections of Big Ends Straps for Connecting Rods- Showing Diameter of Bolt Holes when New & Maximum Diameter under Bolt Heads allowed before Being Scrapped	3" to 1' details of 7 types all ex GE classes shown together with class and number of engine applicable	- .11.34	1934	-	-	PT	D 082	-
24413 Att	Crank Axle Big-End Journals	Unscaled table of big-end journal minimum diameters Endorsed; superseded by Dg No 25569	- .3.25	1925	-	-	PT	D 082	-
24512	Proposed Method of Fixing Locks to Engine Cupboards	Full size detail Double door cupboard lock riveted on. Single door similar	- .2.24	1924	-	-	PT	D 054	-
24515	Diagram Showing which Wheels are Fitted with Thin Flanges	Unscaled details showing 4-6-0 1500 leading and driving and 0-6- 0's driving and two profiles Nos 2 and 3	- .2.24	1924	-	-	PT	D 053	-
24522	Thick and Thin Flange Tyre Sections	Twice full size details showing thick flange to GWR Dg No 43238- A and thin flange to GWR Dg No 43238-E	- .3.24	1924	-	-	PT	D 045	-
24628	Standard Brass Nipple for Steam Heating Hose Pipe	Full size details of nipple Endorsed; altered 27.7.31 and 15.7.38 Copy of Doncaster Dg No 4678N	29.1.24	1924	-	-	PT	D 006	-

24629	Standard M.C.I Clip for Heating Hose Pipe	Full size details of clip My comment: possibly applicable to carriage stock Copy of Doncaster Dg No 4688N	28.5.24	1924	-	-	PT	D 006	-
24633	Standard Brass Coupling for Steam Heating Hose Pipe	Full size details of 7 brass components Endorsed; superseded by Darlington Dg No I2971D (Stratford Dg No 26947) 29.10.27 Copy of Doncaster Dg No 4132N	28.4.24	1924	-	-	PT	D 006	-
24801 Att	Support Bracket for Oil Separator	3" to 1' arrangement of bracket My comment: for engines fitted with Worthington - Simpson pump	-2.26	1926	S69	B12	PT	D 031	-
24817	'Lentz' Motel Valve Gear-Cam Profiles	Twice full size details of profiles Endorsed; reference to Davey, Paxman & Co	- .3.24	1924	-	-	PT	D 062	-
24818	Proposed Alteration to Back Damper Gear P55 Class Engine	1½" to 1' and full size detailsof new catch for damper handle, replacing existing 'catch box' under floor	- .3.24	1924	P55	F4	PT	D 062	-
24820	Information about Axleboxes, Springs & Large Ends of Connecting Rods Engine Class S69, D56, S46, D81, F48 & T18	Unscaled schedule each class tabulated for each class	- .3.24	1924	S69 D56 S46 D81 F48 T18	B12 D15 D14 J20 J16 J66	PT	D 062	-
24820 Att	Information about Large End of Connecting Rod Engine Class T77 & T19	Unscaled table with replies to 8 questions listed on Dg No 24820	- .5.24	1924	T77 T19	J18 D13	PT	D 062	-
24847	Back Damper Gear on P55 Class Engines	1½" to 1' and full size details of gear showing outline arrangement in cab	4.4.24	1924	P55	F4	PT	D 007	-
24894	Six Wheels Coupled Goods Engine No 7983-Y14-Arrangement and Details of Diamond Soot Blower	1½" to 1' & full size detailsshowing outline of cab and firebox with soot blower mounted on left hand side of firebox	- .4.24	1924	Y14	J15	PT	D 073	-
24897	LNER Standard Tender Diagram Showing Wheelbase and Estimated Weights in Working Order	¾" to 1' diagram of standard tender to Darlington Dg No 10765-D	- .4.24	1924	-	-	PT	D 058	-
24904	Steam Heating Apparatus for Engines-Elbow & Safety Valve	Full size arrangement of components Endorsed: altered 22.9.24 and 16.3.27 Traced from Doncaster Dg No W143	6.5.24	1924	-	-	PT	D 090	-
24904 Att	Proposed Cap & Check Nut for Steam Heating Safety Valve	Full size details of components	- .10.26	1926	-	-	PT	D 037	-
24904 Part	Spring for Steam Heating Valve for Engines	Full size details of small coil spring	- .6.24	1924	-	-	PT	D 037	-
24921	Sketch Showing Proposed Method of Preventing Hornstay Studs working Loose	Full size details of the use of square body stud in square hole My comment; subsequently fitted to all engines	- .5.24	1924	D56	D15	PT	D 042	-
24923	Comparative Diagrams Showing Areas of Valve Openings for 10" Piston Valves 5" diameter & 5/8" Lift	Unscaled diagrams for steam and exhaust areas/ cut off and openings/cut off	- .9.24	1924	-	-	PT	D 056	-
24927	Water Pick-Up Gear for Large Tenders-Diagram Showing Relation of Anti-Splash Shields & Bottom of Scoop to Rail Level , also New Links Required	6" to 1' outline arrangement Endorsed: superseded by Dg No 29102 6.11.29	- .5.24	1924	-	-	PT	D 033	-
24931	Enlarged Cams & Cam Spindle for Model of 'Lentz' Valve Gear	Full size details of components	- .5.24	1924	-	-	PT	D 054	-

24952	Indicator Diagrams	Unscaled diagrams taken 15.5.24 on 7.28am Liverpool St to Witham & 11.51am Witham to Liverpool St, engine No 999, and unreferenced diagrams presumably 'coasting', regulator shut, on 26.5.24	- .5.24	1924	-	N7	PT	D 061	-
24964 Att	Engines with piston Valves 8" Dia.-Alteration to Steam Chest Liner with Diagonal Bridges for 8" Diameter Piston Valves	Full size details of alterations My comments; expanded development of ports, class not stated.	- .6.24	1924	-	-	PT	D 059	-
24970	Proposed Cotter for Connecting Rod Big End	Full size details for altered locking screw arrangement	- .6.24	1924	T18	J66	PT	D 058	-
24974	Alternative Lettering for Proposed Boiler Number Plate to Dg 10949-D	Full size detail of Plate 3 5/8" diameter	- .6.24	1924	-	-	PT	D 064	-
24975	Sketch Showing Slots in Steam Chest Liner to Facilitate Withdrawal	Full size details showing 3 circumferential slots to receive 'dogs' of hydraulic extraction gear. My comment: if this failed you had to chip through the bottom of the liner	- .6.24	1924	-	-	PT	D 065	-
24978	Proposed Cotter for Connecting Rod Big Ends	Full size detail of altered locking screw arrangement Endorsed; 3 engines to be fitted for trial 11.8.24	- .6.24	1924	S69	B12	PT	D 058	-
24979	Proposed Additional Wash-out Plugs in Back Plate of Boiler	Full size details of 3 additional plugs for engine No 1224	- .7.24	1924	-	J17	PT	D 038	-
24986	Connecting Rod Big End Oil Box-Proposed Alterations	Full size details of alterations	- .7.24	1924	-	-	PT	D 042	-
24987	Steam Chest Liner with Diagonal Bridges for 8" Diameter Piston Valves	Full size details of liner Endorsed; supersedes blueprint Dg No MV312 N (Stratford Dg No 24964-E)	- .7.24	1924	-	-	PT	D 041	-
24990	Pressure & Vacuum Gauges	Full size elevations of 6 types of gauges	- .7.24	1924	-	-	PT	D 090	-
24993	Arrangement of Ash Ejector	1½" to 1' and full size details and scrap elevation and plan of boiler, ash ejector pipe and fittings Endorsed; altered 24.12.24; 5 engines to be altered for trial.	- .10.24	1924	D56	D15	PT	D 036	-
25007	Sketch of Westinghouse swan Neck Pipe at Ends of Six Wheels Coupled Tank Engines	3" to 1' details	- .7.24	1924	E22 R24 S56	J65 J67 J69	PT	D 044	-
25008	Sketch of Vacuum Brake Pipe on Ends of Engines	3" to 1' details showing position and height of vacuum brake pipes Endorsed; dimensions given for Y14, G75, R24, S56, K89, S44 & O18 tenders	- .7.24	1924	-	-	PT	D 082	-
25011	Four Wheels Coupled Express Engine Class T19 Fitted with Belpaire Firebox	3" to 1' details of blast pipe	31.7.24	1924	T19	D13	PT	D 007	-
25013	Four Wheels Coupled Tank Engines S44 Class-Sets of Iron Steam Heating Pipes	Unscaled schedules showing 2 sets of pipes for engines fitted with GE, GC & GN steam valves	8.8.24	1924	S44	G4	PT	D 007	-
25025 Part	4-6-0 Express Engines Class 1500-Diagram Showing Bending and Twisting Moments in Crank Axle with Coupling Rods on Opposite Side of Axle to Cranks	3" to 1' and 1" to 100 tons/inches bending moment diagram	- .4.23	1923	-	B12	PT	D 011	-
25027	Comparative Diagrams Showing Areas of Valve Opening for 10" Piston Valve and Lentz Valves 6 7/8" Diameter and 7/8" Lift	Unscaled diagram showing arrangement for J20 coal engines	17.9.24	1924	-	J20	PT	D 007	-

25047	Six Wheels Coupled Engines Classes B12, J20, J19-Cast Iron Packing for Piston Rods	Full size elevations, sections and plans of components Endorsed: numerous alterations to 17.7.58	3.4.25	1925	-	B12, J19 J20	PT	D 021	-
25047 Part	Springs for Cast Iron Packing for Piston Rods	Full size details of spiral spring and clip Endorsed: spiral replaced by helical spring 5.12.25 My comment: endorsed Dg No 25047E-I in pencil	31.10.25	1925	S69 D81 E72 T77	B12 J20 J18 J19	PT	D 020	-
25047 -I	Springs for Cast Iron Packing for Piston Rods	Full size details of coil spring and clip Endorsed; for renewals see Dg No MV267-IN dated 1.5.50	2.4.28	1928	-	B12 J18 J19 J20	PT	D 020	-
25047 Att	Alteration to Oil Hole in Back Cylinder Cover	Full size details of alteration	- .5.28	1928	-	B12	PT	D 051	-
25047 -I	Clip Spring for Piston Rod Cast Iron Packing	Full size details of spring Endorsed: renewal tracing since when the original Dg No 25047 was found	22.12.37	1937	-	B12 J19 J20	PT	D 020	-
25053	Comparative Diagrams Showing Valve Openings for Engines	Unscaled, 5 sets of diagrams for classes: 4-6-2 NE 4-6-2 GN 2-6-0 GN 0-6-0 GN 0-6-0 GE J15 ,J16 ,J17 ,J18 ,J19, J20, J66 ,J67 ,J68 & J69	- .9.24	1924	-	-	PT	D 007	-
25055	Top Portion of Cylinders for Six Wheels Coupled Goods Engine D81 Class to Suit 'Lentz' Valve Gear	3" to 1' details of cylinder Endorsed; red figures altered to suit Paxman Loco Valve Co	9.9.24	1924	D81	-	PT	D 007	-
25057	Express Engines S69 and D56 Classes Types B12, D13 and D15-Locking Arrangement for Union Nuts on Main Air Pipe to WHB-Reservoir Pump	Full size elevation of elbow, section of fixing and plan of spanner Endorsed: class D13 added 22.1'2.27	26.9.24	1924	S69 D56	B12 D13 D15	PT	D 007	-
25156	Six Wheels Coupled Bogie Express Engines S69 Class Type B12-Connecting Rod Big End Brasses with Felt Oiling Strips	Full size elevation, section and plan of brasses Endorsed: altered 1.9.32 and 25.5.34; five engines to be fitted for trial; for other dimensions, see Dg No 17212; for present brasses, see Dg No 25692-Att 6	3.10.24	1924	S69	B12	PT	D 028	-
25156 Att	Six-Wheels Coupled Goods Engines Class J-20-Connecting Rod Big End Brasses with Felt Oiling Strips	Full size elevations and plan of brass Endorsed: includes alteration of 25.5.34	25.4.27	1927	D81	J20	PT	D 003	-
25158	Four Wheels Coupled Express Engines Class D56 / D15 (Superheater); Six Wheels Coupled Coal Engines Class F48 / J17 (Superheater)-Piston and Rod	Full size elevations, sections and plan of 1'7" diameter cylinder Endorsed: various alterations in red, up to -9.51; see Dg 37306 for Maddison packing	4.10.24	1924	D56 F48	D15 J17	PT	D 026	-
25158 Part	Piston	Full size details of piston 1'6 <sup>3</sup> / <sub>8</sub> " diameter Endorsed: altered to red, -9.34	29.11.26	1926	D56 F48	D15 J17	PT	D 026	-
25165	Arrangement of Vacuum-Controlled Air Brake on Locomotive	Unscaled diagram showing action of 'combination' valve to apply locomotive air brake via vacuum train pipe	-10.24	1924	-	-	PT	D 081	-
25172	Four Wheels Coupled Bogie Express Engines T19 Class Fitted with Superheater-Blast Pipe	6" to 1' sections and half plan of pipe 2'2 1/4" high	10.10.24	1924	T19	D13	PT	D 016	-
25213	(Indicator Diagrams)	Unscaled indicator diagrams taken 5.6.24 of 7.28 a.m. Liverpool	- .12.24	1924	L77	N7	PT	D	-

	Engine No 998	Street-Witham and 11.51 a.m. Witham-Liverpool Street. Maximum speed 59 m.p.h., a total of 14 diagrams for right-hand and left-hand cylinders						040	
25216	Steel Forgings for Crank Axle Webs	3" to 1' details of forgings Endorsed: superseded by Dg No 29083, dated 18.10.29 My comment: Stores Ordering drawing	- .11.24	1924	T18	J66	PT	D 038	-
25218	Proposed Positions of Wash-out Plugs on New Back-plates	6" to 1' elevations of top part of firebox backplate, showing existing plugs and gauge glass fittings in red, new plugs, etc., in black	- .11.24	1924	S46 F48	D14 J16	PT	D 033	-
25220	Steel Forgings for Crank Axle Webs (Y14 Class)	3" to 1' details of forgings Endorsed: superseded by Dg No 25220-1 My comment: Stores Ordering drawing	- .11.24	1924	Y14	J15	PT	D 078	-
25220 -1	Steel Forgings for Crank Axle Webs	3" to 1' details of forgings Endorsed: superseded by Dg No 28879, dated 15.5.29 My comment: Stores Ordering drawing	- .10.25	1925	Y14	J15	PT	D 049	-
25236	Proposed Drain Pipe for Westinghouse Pump Exhaust	3" to 1' and full size details of 3/8" drain pipe from elbow Endorsed: 1 engine to be fitted for trial	- .11.24	1924	-	-	PT	D 041	-
25236	Six-coupled Tank Engines Type N-7-Drain Pipe for Westinghouse Pump Exhaust	1 1/2" to 1' and full size elevations of new tee-piece for drain pipe and scrap view of front end of engine showing arrangement of pipes to pump	- .12.27	1927	L77	N7	PT	D 003	-
25275	Fire Grate	3" to 1' arrangement of firebars	- .12.24	1924	T19 D56	D13 D15	PT	D 080	-
25307	Cylinders to Suit Lentz Valve Box	3" to 1' elevation, sections and plan of cylinder casting Endorsed: see also S69 class cylinders in Dg No 17223	- .2.25	1925	D81	J20	PT	D 050	-
25307 Part	Top Portion of Cylinders to Suit Lentz Valve Box	3" to 1' elevation, sections and plan of top portion of cylinders My comment: for engines with Lentz valve gear.	- .12.24	1924	D81	J20	PT	D 050	-
25312 -1	Alteration to Injector Overflow Pipes	1 1/2" to 1' elevations showing present and proposed arrangements	- .1.25	1925	M15  G69 Y65 E22 T18 R24 C72 G75 S56 L77	F4 F5 F6 F7 J65 J66 J67 J68  J69 N7	PT	D 056	-
25314	Steel Casting Connecting Smokebox Tubeplate to Cylinders for Six Wheeled Coupled Goods Engines Class D81 with Lentz Valve Gear	3" to 1' elevations and plan of casting My comment: stores ordering drawing	- .1.25	1925	D81	J20	PT	D 039	-
25314	Steel Casting Connecting Smokebox Tubeplate to Cylinders for Six Wheeled Coupled Goods Engines Class D81 with Lentz Valve Gear	3" to 1' elevations and plan of casting	20.12.24	1924	D81	J20	PT	D 029	-
25324	Alteration to Crosshead Gudgeon Pin & Nut	Full size details of alteration	- .12.24	1924	S69 L77	B12 N7	PT	D 066	-
25334	Standard Brake Block Pin and Washer	Full size elevations and plan of cast iron components for	17.11.31	1931	-	-	PT	D	-

		locomotives except classes B12, J17 and Y6 Copy of Darlington Dg No Y11019D Endorsed: altered 12.8.37						024	
25341	Arrangement of Rocking Shafts and Brackets for Lentz Valve Gear Six Wheels Coupled Coal Engines GE Section D81 Class	3" to 1' elevations and plan of arrangement	- .12.24	1924	D81	J20	PT	D 060	-
25342	Six Wheels Coupled Coal Engines GE Section D81-Motion Details for Lentz Valve Gear	Full size elevations and plans of rocking shafts and links Endorsed: altered 25.4.25 & 11.3.25; see Dg No 25341 for arrangement	- .1.25	1925	D81	J20	PT	D 060	-
25364	8¾" Steam Brake Cylinder	Full size arrangement and details Endorsed: class F7 added later My comment: for unfitted" locomotives	- .8.27	1927	Y65 T18 R24 S56	F7 J66 J67 J69	PT	D 061	-
25367	Smokebox Door	6" to 1' elevation, section and plan of door Endorsed: for details see Dg No 19141	- .1.25	1925	L77	N7	PT	D 087	-
25373	Snifting Valve	Full size elevations, section and plan of valve Endorsed: for header see Dg No 19158	- .1.25	1925	L77	N7	PT	D 082	-
25386	Arrangement and Details of Westinghouse Brake Main Pipe at Ends of Engine	3" to 1' and full size arrangement and details of brackets, etc.	- .1.25	1925	L77	N7	PT	D 013	-
25389	Engines Types B12, D15-Cast Iron Seating for G.C. Standard Fire Hole	6" to 1' elevations, section and plan of seating Endorsed: 3 engines of each class to be fitted for trial; for GC standard fire hole door see Dg No 25228	27.1.25	1925	-	B12 D15	PT	D 016	-
25390	Alteration to Details of Steam Brake to Suit Engines with 8¾" Dia Cylinder	6" to 1' new details of cylinder brackets and brake shaft arm, and two new pins	- .1.25	1925	T18 R24	J66 J67	PT	D 011	-
25391	Alterations to Smokebox to Suit Lentz Valve Gear	3" to 1' arrangement of smokebox and top of cylinders Endorsed: for other dimensions of smokebox, see Dg No 21959; for locomotives with Lentz valve gear	- .2.25	1925	D81	J20	PT	D 037	-
25392	Steel Steam Pipes for Robinson Superheater	3" to 1' elevations of pipes My comment: for locomotives with Lentz valve gear	- .1.25	1925	D81	J20	PT	D 050	-
25393	Frame and Boiler Stay	3" to 1' and full size elevation, section and plan of stay	- .1.25	1925	L77	N7	PT	D 049	-
25394	Front Cab Windows for Engines to be built at Gorton	3" to 1' and full size details of window	- .1.25	1925	L77	N7	PT	D 059	-
25395	Six Wheels Coupled Tank Engs. N7-Details of Tank Joints	6" to 1' and full size details of joints on top and bottom reversing gear pocket, and splasher	- .1.25	1925	L77	N7	PT	D 052	-
25404	Six Wheels Coupled Coal Engine D81 Class GE Section-Leading Splasher for Engine Fitted with Lentz Valve Gear	3" to 1' elevations and plan of splasher	- .1.25	1925	D81	J20	PT	D 043	-
25405	Arrangement of Internal Steampipe in Boiler	3" to 1' elevations, section and plan of arrangement	- .1.25	1925	L77	N7	PT	D 049	-
25421	Tank Engines N-7 Class-Oil Cups & Oilboxes	Full size details of six items Endorsed: work to red for engines, motion to Dg No 25931, 16.6.26; for oil box to replace six oil cups for piston rod gland, valve guide and back end gland, -.5.27, see Dg No 26754 My comment: appears to be replaced by later Dg, same No. -.6.27	- .2.25	1925	L77	N7	PT	D 011	-



25421	Oil Cups & Boxes	Full size details of , six items	- .6.27	1927	L77	N7	PT	D 011	-
25426	Diagram showing Relative Position of G.E. Tender Buffer Face and Screw Coupling	1½” to 1’ plan view	- .2.25	1925	-	-	PT	D 066	-
25431	Indicator Diagrams	Unscaled diagrams for GN 2-6-0 No 4698, 12.12.24 on 8.15 a.m. coal train Whitemoor-Temple Mills, via St. Ives and GE 0-6-0 No 8270 27.1.25 on 8.15 a.m. coal train, Whitemoor-Temple Mills, via St. Ives	- .8.25	1925	D81	J20 K2	PT	D 033	-
25433 Parts 1 - 5	Details for Die Casting	Full size details of castings: Part - 1 steam whistle bell - 2 W.H. driver’s valve handle - 3 clack valve - 4 gas filling hose pipe union - 5 dome nut	- .2.25	1925	-	-	PT	D 041	-
25439	Six Wheels Coupled Tank Engines Class N7 Class-Firebox Backplate Showing Flanged Firehole	1½” to 1’ section of backplate, outline elevation and full size section of riveting detail Endorsed: this drawing only to be worked to for engine on 1925 programme built at Gorton by GC Section and those built by contractors Copy of Gorton Dg No Part Copy 14773C	- .3.25	1925	-	N7	PT	D 011	-
25443	Built Up Crank Axle	3” to 1’ elevation, section and plan of axle My comment: detail differences to earlier Dg No 23530, dated 1921	- .3.25	1925	Y14	J15	PT	D 079	-
25452	Arrangement and Details of Alterations to Leading Sand and Lubricating Gear for Engine with Lentz Valve Gear	1½” to 1’ and full size arrangement of gear at front of engine, and details of components	- .3.25	1925	D81	J20	PT	D 004	-
25455	Proposed Arrangement of “Parry” Tube Cleaning Blower	1½” to 1’ arrangement shown on outline of cab	- .3.25	1925	Y14	J15	PT	D 077	-
25469	Sketch showing Method of Making Nut for Hand Brake Screw	Unscaled sketch showing nut forge welded from ¾” boiler plate and iron plugs My comment: assumed for locomotive/tender handbrake screw	- .3.25	1925	-	-	PT	D 059	-
25471	Sketch showing Method of Lubricating Driving Hornblocks (Eng. No. 8542)	6” to 1’ outline drawing of axlebox	- .3.25	1925	S69	B12	PT	D 076	-
25474	‘Holdfast’ Big End Cotter	Full size outline of big end, cotter detailed Endorsed: three engines to be fitted for trial	- .3.25	1925	L77	N7	PT	D 076	-
25477	(Tyre Profiles)	Full size details of two profiles:- rolled profile to PC Dg No 10549/1D & 10550/1D compared to finished size profile to circular No. CME 40	- .3.25	1925	-	-	PT	D 076	-
25478	Six Wheels Coupled Goods Eng. J16-“Holdfast” Big End Cotter	Full size outline drawing of big end with cotter Endorsed: 3 engs to be fitted for trial	- .4.25	1925	F48	J16	PT	D 075	-
25482	Contours of Tyres	Full size comparison of rolled tyre profile to PC Dg 10549/1 and 10550/1 with GERy tyre sections, circular no. CME 40 My comment: they do not appear to be compatible	- .3.25	1925	-	-	PT	D 077	-
25484	Four Wheels Coupled Bogie Express Engines Type D15-“Holdfast” Big End Cotters	Full size elevations showing position of cotter on big end Endorsed: 3 engines to be fitted for trial	- .4.25	1925	-	D15	PT	D 062	-
25492	Arrangement of Handbrake and Alteration to T19	1½” to 1’ outline elevations and plan of frame showing details of	5.6.25	1925	-	-	PT	D	-

	Frame (with Bogie) for Boiler Trolley	brakework Endorsed: altered 13.11.25						082	
25492 Att	Arrangement and Details for Drawgear for Boiler Trolley	1½" to 1' sectional elevation and plan of drawgear and 6" to ' detail of bracket Endorsed: altered 14.1.26	15.9.25	1925	-	-	PT	D 082	-
25493	Six Wheels Coupled Bogie Express Engines Type B12-Alteration to Trailing Axlebox	6" to 1' elevations and section of axlebox Endorsed: 5 engines to be fitted for trial; superseded by endorsement: all engines to be fitted 18.12.25	- .4.25	1925	-	B12	PT	D 005	-
25494	Drawhook	Full size elevations of hook	- .4.25	1925	L77	N7	PT	D 012	-
25495	Engines Classes T19, T26, C32-Crank Axle	3" to 1' elevations of axle	22.4.25	1925	T19 T26 C32	D13 E4 F3	PT	D 016	-
25495	Engines Classes T19, T26, C32-Crank Axle	3" to 1' elevations of axle	22.4.25	1925	T19 T26 C32	D13 E4 F3	PT	D 004	-
25501	Leading Sandbox	6" to 1' elevations, section and plan of new sandbox, positioned under framing My comment: for engine fitted with Lentz valve gear	- .4.25	1925	D81	J20	PT	D 067	-
25504	Wire Trimmings for Connecting and Coupling Rods- Alterations and New Covers to Suit Existing Rods	Full size sections and plan of 3 components Endorsed: numerous alterations to 8.33	- .4.25	1925	-	-	PT	D 035	-
25505	Express Engines Classes H88 and D56-Crank Axle	3" to 1' elevations of crank axle	28.4.25	1925	D56 H88	D15 D16	PT	D 010	-
25505	Express Engines Classes H88 and D56-Crank Axle	3" to 1' elevations of crank axle My comment: stores ordering drawing	11.5.25	1925	D56 H88	D15 D16	PT	D 057	-
25505	Express Engines Classes H88 and D56-Crank Axle	3" to 1' elevations of crank axle# Endorsed: to replace one mislaid My comment: stores ordering drawing	23.1.34	1934	-	D15 D16	PT	D 010	-
25511	Engine & Tender Standard Lamp Irons (Malleable C.I.)	Full size elevations and plan of irons Endorsed: for lamp and disc brackets, see Dg No 25511-I My comment: note that the centre lamp iron on J65, J66, J67, J68 and J69 is only 5⅞" high, all others are 8½" high	- .4.25	1925	-	-	PT	D 087	-
25514	Arrangement of "Diamond" Soot Blower	1½" to 1' outline of firebox showing arrangement of blower Endorsed: one S69 and one D81, both with GC firehole door, to be fitted for trial	- .5.25	1925	S69 D81	B12 D20	PT	D 072	-
25516	Six Wheels Coupled Goods Engines Type J15 (Y14)- Arrangement and Details of 'Parry' Tube Cleaning Blower	1½" to 1' arrangement shown on sectional view of cab and boiler and full size details of components	- .5.25	1925	Y14	J15	PT	D 079	-
25529	Driving Axlebox & Keep	Full size arrangement and details for new crank axles	- .6.25	1925	T18 R24 C72 S56	J66 J67 J68 J69	PT	D 064	-
25529 Part	Cast Steel Axlebox Keeps	Full size elevation, section and plan of keeps My comment: Stores Ordering drawing	- .7.25	1925	E22 T18 R24	J65 J66 J67	PT	D 039	-

					C72 S56	J68 J69			
25544	Six Wheels Coupled Tank Engines N7 Class and All Classes of New engines and Renewals-Screw Coupling	Full size elevation and plan of screw coupling and components Endorsed: superseded by Dg No 26008	11.5.25	1925	-	N7	PT	D 011	-
25555	Valve Setting Device (Lentz Gear)	Full size details of vernier gauge My comment: appears to attach to valve chest in place of cover	- .5.35	1935	-	-	PT	D 041	-
25568	Trailing Spring Brackets and Hand Brake Details for Boiler Trolley	3" to 1' details of 22 components Endorsed: for arrangement, see Dg No 25492; for further details, see Dg No 35412, - .8.43	5.6.25	1925	-	-	PT	D 082	-
25569	LNER Engines – G.E. Section-Crank Axle Journals	Unscaled table of dimensions of new and minimum diameters, $\frac{3}{8}$ " wear allowed	- .5.25	1925	-	-	PT	D 066	-
25574	Arrangement of Safety Valves for Testing Purposes Only	Unscaled arrangement Endorsed: for wrought iron and steel details, see Dg No 25861; for other dimensions and safety valve castings, see Dg No 11009	- .6.25	1925	-	-	PT	D 038	-
25575	Engines Class 1500-Connecting Rod Big End Strap and Oil Box	Full size elevations, section and plan of strap and oil box Endorsed: altered to red, 21.12.25 and 6.4.27; for complete rod and new wire trimmed oil box, see Dg No 25692; for oil box adaptors, see Dg No 29313; for standard oil cup covers, see Dg No 26001	29.5.25	1925	S69	B12	PT	D 022	-
25580 Att	Position of Registration Number Plate of GE Boilers	Four full size diagrams showing position of plate on various classes of engine Endorsed: altered 8.12.32	- .7.25	1925	-	-	PT	D 051	-
25581	Proposed Additional Balance Weights for E4 Type Eng. No 7483	3" to 1' wheel with 16 spokes shown, with additional plates riveted up on existing balance weight	- .5.25	1925	T26	E4	PT	D 028	-
25585	Steel Spring for Standard Engine Brake Blocks	Full size details of two springs My comment: springs used to keep brake blocks square for all ex-GERy locomotive classes	- .7.25	1925	-	-	PT	D 078	-
25586	Tube Expander for 5¼" Superheater Flue Tubes	Full size general arrangement of expander for superheater engines Endorsed: see Dg No 18922 for shop copy	- .6.25	1925	-	-	PT	D 018	-
25595	Four Wheels Coupled Engines Types E4 & F3, G4, GE Classes T26, C32, S44-Coupling Rod with Wire-Trimmed Oil-Box	Full size elevation and plan of coupling rod Endorsed: numerous alterations to 25.10.48	19.6.25	1925	T26 C32 S44	E4 F3 G4	PT	D 028	-
25596 Part	Steel Crank Axles	3" to 1' stores ordering drawing for forgings with oval-pattern web Endorsed: superseded by Dg No 26912 Part	- .8.25	1925	E22	J65	PT	D 011	-
25597	Built Up Crank Axle	3" to 1' elevation, section and plan of axle	- .7.25	1925	F48 G58	J16 J17	PT	D 011	-
25599 Part	Steel Crank Axles	3" to 1' elevation and plan of axle, left hand crank to lead Endorsed: superseded by Dg No 27167 Part, dated 29.9.27 My comment: Stores Ordering drawing	- .7.25	1925	T26	E4	PT	D 077	-
25611	Indicator Diagrams	Unscaled indicator diagrams for Lentz valve gear-fitted engine No 8280; between Whitmoor and Temple Mills with 48 wagons & brake van; 12.6.25	- .6.25	1925	D81	J20	PT	D 066	-
25611 -I	8559 Mid-Gear BP155 Reg <sup>TR</sup> – Full (Indicator Diagram)j	Unscaled indicator diagram for left-hand and right-hand	19.3.31	1931	S69	B12	PT	D 020	-

25611-2	(Indicator Diagrams)	Unscaled and unfinished	-	-	-	-	PT	D 077	-
25622	Indicator Diagrams-Eng. 8280 'Lentz' Valves between Whitemoor & Temple Mills June 18. 1925	Unscaled My comment: nine diagrams, at speeds up to 36 m.p.h.	- .7.25	1925	D81	J20	PT	D 043	-
25624	Sketch showing Lengthened Standpipe for W.H. Brake at Trailing End, Engs Fitted for Steam Heating	3" to 1' sketch	- .6.25	1925	S44	G4	PT	D 047	-
25636	Crank Axle	3" to 1' elevation and plan of forged crank axle, oval webs with hoops Endorsed: This tracing not to be issued if it is ultimately decided that all new crank axles T18 class are to be of the built up type. (See Engine Casualty Papers H6138 30-6.25) Then this tracing is to be scrapped	- .7.25	1925	T18	J66	PT	D 047	-
25636 Part	Steel Crank Axles	3" to 1' elevations and plans of forgings of crank axle with oval webs My comment: Stores Ordering drawing	- .7.25	1925	T18	J66	PT	D 047	-
25637	Six Wheels Coupled Goods Engines Types J16, J17, J18 and J19 GE Classes F48, G57, E72 and T77- Coupling Rod with Wire Trimmed Oil Box	Full size elevations and plan of coupling rods 8'10" centres showing arrangement of oil box	- .7.25	1925	F48 G57 E72 T77	J16 J17 J18 J19	PT	D 011	-
25637 Att	Coupling Rod Bushes Engs. J19/2	Full size elevations and plan of bushes for leading and trailing and separate for driving	- .2.46	1946	-	J19/2	PT	D 011	-
25637 Part	Six Wheels Coupled Goods Engines Types J16 & J19-Crank Pin	Full size elevations of pin, taken from Dg No 25637 My comment: reproducible tracing	- .7.25	1925	-	J17 J19	PT	D 012	-
25638	Modification of Drg No 25-35N to suit G.E. Section Superheater Flue Tube	Full size details of tube My comment: modifications not stated	- .7.25	1925	-	-	PT	D 052	-
25640	Crank Axle of Engine no 8560, Flawed as Shown	1½" to 1' elevation of axle showing position of flaw in joint of big-end bearing and crank web	- .7.25	1925	S69	B12	PT	D 031	-
25643 Part	Steel Crank Axles	1½" elevation and plan of forgings of crank axle with oval webs Endorsed: cancelled, see part copy Dg No 27155 My comment: Stores Ordering drawing	- .7.25	1925	Y14	J15	PT	D 079	-
25647	Boilers for Engines Class S69 & D56-Cast Iron Seating for Safety Valves for Testing Purposes	6" to 1' elevations, sections and plan of seating Endorsed: this seating to be used for testing purposes only, I to this	25.7.25	1925	D56 S69	D15 B12	PT	D 005	-
25648	Springs for Axlebox Controlling Gear	Full size elevations and plans of springs, for leading axlebox with sideplay Endorsed: superseded by Dg No 27997 My comment: Stores Ordering drawing	- .7.25	1925	K89	N7	PT	D 012	-
25650	Bar for Driving Crosshead Cotters-1000 Class Engs	3" to 1' elevation of bent bar, 4'6½" long	- .7.25	1925	L77	N7	PT	D 012	-
25675	Six Wheels Coupled Tank Engines Types J65, J66, J67, J68 & J69 GE Classes E22, T18, R24, C75, S56- Coupling Rod with Wire Trimmed Oil Box	Full size elevation and plan of coupling rod Endorsed: several alterations to 25.10.48	26.8.25	1925	E22 T18 R24 C75 S56	J65 J66 J67 J68 J69	PT	D 013	-
25689	D15 Type Express Engines-Proposed Extended	1½" to 1' side and end elevation of proposal, of a 1'5¼" smokebox	14.8.25	1925	D56	D15	PT	D	-

	Smokebox	extension						019	
25690	Extended Smokebox D16 Type Express Engines and D56 with 5'0" Diameter Boiler and H88	1½" to 1' elevations of smokebox	17.8.25	1925	H88	D16	PT	D 019	-
25691	Crank Axle of LNER Engine 7625	Unscaled sketch showing break My comment: broken across built up type crankpin	- .8.25	1925	Y14	J15	PT	D 062	-
25692	Big End Brasses to suit Solid Forged Crank Axles	Full size elevation, sections and plan of brass My comment: was Dg No 17212 Part; superseded, see Attachment 6	- .4.24	1924	S69	B12	PT	D 051	-
25692	Six Wheels Coupled Express Engines Type B12 (Class S69)-Six Wheels Coupled Coal Engines Type J18 (Class E72, J19 (Class T77), J20 (Class D81)-Connecting Rod	1½" to 1' elevation, section and plan of rod and full size arrangement Endorsed: altered 6.4.27; -.9.35, see Attachment 4 to Dg No 25692; 18.7.39; 22.12.48; 10.10.52 My comment: cross-refer to the following: for built up cranks, see Dg No 24016; for felt oiling pads, B12 (S69), 3.3.26, see Dg No 25156; for big end brasses, J18 (E72), see Dg No 25692 and Att 1; for big end brasses with built-up crank axles, see Dg No 25692 and Att 2 and Att 3; for standard oil cup covers, see Dg No 26001; for cotter clearances, see Dg No 26898; for felt oiling pads, B12 (S69), 11.4.28, see Dg No 27580; for adaptors for old oil boxes, see Dg No 29313; for cotter, see Dg No 34788; for new drawing, -.12.54, see Dg No 39003; for alteration to studs, -.9.35, see Attachment 4. Drawing renewed -.12.31	- .1.26	1926	S69 E72 T77 D81	B12 J18 J19 J20	PT	D 083	-
25692 Att 1	Big End Brasses	Full size elevation, section and plan of brass Endorsed: traced from shop copy, -.5.28; for connecting rod, see Dg No 39003; for felt oiling pads, see Dg No 27580	- .7.12	1912	E72	J18 J19/2	PT	D 048	-
25692 Att 2	Alteration to White Metal in Connecting Rod Big End Brasses for Engines with Built Up Crank Axles	Full size elevation, section and plan of brass Endorsed: was Dg No 17212; superseded, see Attachment 6	- .4.21	1921	S69 D81	B12 J20	PT	D 051	-
25692 Att 3	Connecting Rod Big End Brasses to suit Built Up Crank Axles	Full size elevations of axles to Dg No 24016, for B12 and Dg No 23478, for J20 Endorsed: was Dg No 17212 Attachment 3; superseded, see Attachment 6	- .8.23	1923	S69 D81	B12 J20	PT	D 051	-
25692 Att 4	Engines Types B12, J18-20 and D15, D16-Connecting Rod Oilbox Studs	2" to 1" (sic) details of studs and instructions for fitting Endorsed: see Attachment 5 for new straps with solid oilboxes My comment: Twice full size	13.9.35	1935	S69 D56 H88 E72 T77 D81	B12 D15 D16 J18 J19 J20	PT	D 021	-
25692 Att 5	Connecting Rod Oil Box	Full size elevations, sections and plans of oil box	- .9.35	1935	S69 D56 H88 E72 T77 D81	B12 D15 D16 J18 J19 J20	PT	D 051	-
25692 Att 6	Big End Brasses	Full size elevations, sections and plans of brasses Endorsed: superseded, see Dg No 39003, dated -.12.54	- .3.38	1938	S69 D81	B12 J20	PT	D 051	-

25692 Att 6	Engines Type B12-Proposed Alteration to Big End Brasses	Full size elevation, section and plan of brass Endorsed: superseded by Dg No 39003	- .10.39	1939	S69	B12	PT	D 021	-
25708	Boilers: List of Drawings	Unscaled list of drawings: Dg No 25507 for boiler Dg No 25508 for copper tube plate Dg No 25509 for copper wrapper plate Dg No 25654 for riveting of boiler barrel Dg No 25655 for double washout seating Dg No 25656 for foundation ring Dg No 25657 for dome angle ring and cover Dg No 25658 for smokebox tube plate Dg No 25704 for girder bars Dg No 25661 for firebox Dg No 25662 for dome regulator Dg No 25663 for dome regulator pipe A Dg No 25664 for regulator stuffing box Dg No 25697 for ejector flange and malleable iron seating Dg No 25698 angle ring for boiler barrel and smokebox Dg No 25699 for whistle stand Dg No 25700 for part section through firebox, showing ejector exhaust pipe, etc. Dg No 25701 for water gauge column Dg No 25702 for boiler details Dg No 25703 for arrangement of internal pipes	- .8.25	1925	-	J52	PT	D 033	-
25710	Cast Iron Seating for Safety Valves for Testing Purposes	6" to 1' sectional elevations of seating	- .9.25	1925	S56	J69	PT	D 004	-
25713	Six Wheels Coupled Tank Engines Class E22, Type J65-Arrangement of Vacuum Brake Pipes	1 1/2" to 1' arrangement shown on outline elevations and half plan of engine and 3" to 1' details of clips	- .9.25	1925	E22	J65	PT	D 013	-
25718	Arrangement and Details of Automatic Drain Valve for Steam Chest S44 Class Tank Engines (G4)	1 1/2" to 1' arrangement and sections showing position of valve and full size details of 3 components Endorsed: see Dg No 24009 for valve details	- .10.25	1925	S44	G4	PT	D 012	-
25721	Connecting Rod Big End Brasses with Felt Oiling Strips	Full size felt pads top and bottom of brasses Endorsed: retaining wire positions altered, 25.5.34	- .9.25	1925	T19	D13	PT	D 047	-
25722	Steam Pipe Joints with Lenticular Shaped Rings	3" to 1' and full size steam pipes in smokebox	- .9.25	1925	D81	J20	PT	D 047	-
25723	Part Arrangement of Top Feed for 0-6-2T Engines (L77) showing G.C. Pattern Trays	1 1/2" to 1' elevation and plan of top feed into dome, water distributed into trays near front tube plate, resting on longitudinal stays	- .9.25	1925	L77	N7	PT	D 054	-
25726 Att	Four Wheels Coupled Radial Tank Engines Class F6-7 1/2" Diar. Flat Seating Cast Iron Base for 2 1/2 Inch for Ross Pop Safety Valve	Full size elevations and plan of base	18.10.27	1927	-	F6 F7	PT	D 047	-
25726	Cast Iron Base for 2 1/2" Ross Pop Safety Valve	Full size elevation, section and plan of base 9 1/4" diameter with curved base My comment: for 7 1/2" flat seating for safety valve, see Dg No 25726 Att	- .9.25	1925	G69	F6	PT	D 047	-

25727	Coupling Rods & Crank Pins	6" to 1' elevation, section and plan of complete rod set with jointed rear section Endorsed: See later Drg. same number, dated Nov 1938	- .10.25	1925	S69	B12	PT	D 047	-
25727 Ren	Coupling Rods & Crank Pins	6" to 1' elevation, section and plan of rod and pins	- .11.38	1938	S69	B12	PT	D 052	-
25727 Att	Driving Coupling Rod Bush with Felt Oiling Strips	Full size elevation, section and plan of bush	- .4.27	1927	S69	B12	PT	D 047	-
25728	Arrangement of Mechanical Lubrication	1½" and 3" to 1' details of lubrication to cylinders Endorsed: for other details, see Dg No 18030; for Lentz valve gear-fitted engine no. 8280	- .9.25	1925	D81	J20	PT	D 047	-
25731	Goods Engines fitted with Steam Brake and Vacuum Ejector-Proposed Alteration to Locking Catch for Steam Brake Handle on Vacuum Ejector	Full size details of alteration Endorsed: altered to red, 5.1.26	1.10.25	1925	-	-	PT	D 009	-
25734	Engines Types D13 (T19 Class) and G4 (S44 Class)-Arrangement and Details of Bogie Slide Control Springs	3" to 1' elevation and plan of arrangement for the two classes and 6" to 1'details of 4 components	- .10.25	1925	T19 S44	D13 G4	PT	D 008	-
25735 -1 to -4	Steel Forgings for Crank Pins	6" to 1' elevations and plans of four separate crank pin forging My comment: Stores Ordering drawing	8.10.25	1925	-	-	PT	D 008	-
25735 -5 and -6	Steel Forgings for Crank Pins	6" to 1' elevations and plans for two separate crank pin forgings Endorsed: copy of Dg No 21951, -.9.29 My comment: Stores Ordering drawing	12.9.29	1929	D81	J20	PT	D 008	-
25740	4.6.2 Engines Type A.2 (N.E. Section)-Big End Brasses with Felt Oiling Strips for Inside Connecting Rod	Full size elevations, sections and plans of brasses Endorsed: for brasses for outside connecting rods, see Dg No 25741	5.10.25	1925	-	A2	PT	D 009	-
25741	Big End Brasses with Felt Oiling Strips for Outside Conn. Rods	Full size elevations, sections and plans of brasses Endorsed: for brasses for inside connecting rod, see Dg No 25740	- .10.25	1925	-	A2	PT	D 051	-
25758	Engines Class F4 (GE Class P55)-Alteration to Injector Overflow Pipes	3" to 1' elevations and plan of left hand side pipe	- .10.25	1925	P55	F4	PT	D 028	-
25760	Engines Class D15, D16 (GE Classes D56, H88)-Angle Stay for Leading Sand Pipes	1½" to 1' arrangement showing position on engine and 3" to 1' details of stay and clip Endorsed: undated alteration for B12 class; altered 20.9.26	- .10.25	1925	D56 H88	D15 D16 B12	PT	D 021	-
25768	Engines Classes T18 (160 Lbs Pressure) Y14-Cast Iron Base for 2 ½" Ross Safety Valves	Full size elevation and plan of base to replace Ramsbottom type valve seating	- .10.25	1925	T18 Y14	J66 J15	PT	D 073	-
25776	Locomotives, Carriages & Wagons of G.E. Section-Methods of Fixing Tyre to Wheel	Full size sections of six types of wheel including for two locomotives	- .10.25	1925	-	-	PT	D 030	-
25777 -1	2½" Ross Patent Muffled Pop Safety Valve	6" to 1' arrangement drawing	- .10.27	1927	-	-	PT	D 070	-
25787	Sketch showing Method of Screwing Superheater Tubes into Copper Firebox Plate	Full size sketch showing square plug with a hexagon spanner extension, with four pieces of square file inserted between plug and tube	- .10.25	1925	-	-	PT	D 064	-
25791	Alteration to T18 Class Cylinders to Suit Crane Engine No 204 Class	3" to 1' sections showing arrangement	- .11.25	1925	-	J92	PT	D 015	-
25793	Four Wheels Coupled Bogie Express Engines Class S46, Engines 1890 to 1900 Only and Six Wheels Coupled Coal Engines Class F48 Type J16 & J17-	Full size elevations, plan and details of rod 7' 7 ½" centres	- .12.25	1925	S46 F48	D14 J16 J17	PT	D 040	-

	Connecting Rod								
25796	Smokebox Door Detail Class S69 Type B12 D56, D81, B72, F48 (Belpaire), H88, T19 (Belpaire), L77	3" to 1' and full size details of components Endorsed: hinges for D81, E72 and F48 only	- .11.25	1925	S69 D56 D81 C72 F48 H88 T19 L77	B12 D15 J20 J68 J16 D16 D13 N7	PT	D 040	-
25800	Six Wheels Coupled Express Engines Class S69-Blast Pipe for Engines Fitted with Worthington Simpson Loco Feed Water Heater and Pump	6" to 1' elevations, section and plan of blast pipe	- .11.25	1925	S69	B12	PT	D 040	-
25801	Six Wheels Coupled Bogie Express Engine Type B12 (GE Class S69)-Support Brackets for Engines Fitted with Worthington-Simpson Feed Water Heater and Pump LM1410	3" to 1' elevations and plan of bracket and full size details showing fitting	7.12.25	1925	S69	B12	PT	D 004	-
25802	Six Wheels Coupled Bogie Express Engines Class S69 (Type B12)-Pipe Flange and Union Details for Engines Fitted with Worthington-Simpson Feed Water Heater and Pump	3" and 6" to 1' and full size details of components Endorsed: altered 22.11.27	17.12.25	1925	S69	B12	PT	D 006	-
25804	Handrail Pillars & Supports, and Pipe Clips Express Engine Type B-12 fitted with Worthington Simpson Feed Water Heater & Pump	3" and 6" to 1' and full size elevations, arrangement and detail drawings of components My comment: cross-referenced to Arrangement of Worthington-Simpson Feed Water Heater & Pump on Engine, Dg No 25803	-.1.26	1926	S69	B12	PT	D 006	-
25818	Reversing Screw Index Plates	Full size elevation of plates Endorsed: for locomotives fitted (No. 8280) and not fitted with Lentz valve gear	-.11.25	1925	D81	J20	PT	D 057	-
25840	Gauges for Steam Heating Hose Pipe Coupling	Full size details of three gauges made of 1/16" plate Endorsed: drawing made from actual gauges used at Doncaster, and sent enclosed with Mr. Gresley's letter of 5.12.25	14.12.25	1925	-	-	PT	D 008	-
25847	Leading Axlebox L77 Class-Alteration to Lubrication and Controlling Gear	Full size elevations, sections and plans of axlebox Endorsed: engine no. 8001 fitted for trial	-.12.25	1925	L77	N7	PT	D 055	-
25861	Details for Safety Valves for Testing Purposes	Full size arrangement My comment: for arrangement of safety valves, see Dg No 25574	-.1.26	1926	S69 D56 R24 S56	B12 D15 J69	PT	D 053	-
25874	Diagram showing Engine on 4-Chains Curve, without Sideplay at Leading Axlebox	1 1/2" to 1' diagram of wheel positions on curve	-.1.26	1926	L77	N7	PT	D 034	-
25875	Proposed Increase in Size of End of Crosshead and Cotter	Full size outline of crosshead and cotter Endorsed: see Dg No 19235	-.1.26	1926	L77	N7	PT	D 068	-
25876	Coal Guard Plate for Tenders R43 Class	1 1/2" to 1' elevation, section and outline of top part of tender Endorsed: for coal guards on other tenders, see Dg No 25407	23.1.26	1926	R43	-	PT	D 014	-
25877	Areas of Valve Openings of "Lentz" Valves Eng No 8280	Unscaled diagrams of valve openings, measured in in. <sup>2</sup> , at cut-offs of 24%, 30% and 76% Endorsed: for locomotives with Lentz valve gear	-.1.26	1926	D81	J20	PT	D 051	-



25878	Areas of Valve Openings for 0-6-0 Goods Engines D81 Class fitted with Piston Valves	Unscaled charts for front and back valve ports, at various cut-offs	-.1.26	1926	D81	J20	PT	D 068	-
25882	Details of Walschaert Valve Gear-for Model Motion	3" to 1' details of new parts for model of valve gear Endorsed: for arrangement, see Dg No 25898	-.1.26	1926	-	-	PT	D 052	-
25890	Cylinders with Lentz Valves-Six Coupled Bogie Express Engines Class 1500	3" to 1' sectional elevations and plans of cylinder Endorsed: see also Dg No 25891; for alteration to cylinders see Attachment 11.27; altered 21.12.27 Copy of Lentz Patents Ltd London Dg No SV95A Sheet 1	29.1.26	1926	-	B12	PT	D 005	-
25890 Att	Modification to Cylinder Casting 1500 Class	3" to 1' sections and elevation of casting Endorsed: altered 1.28	-.10.27	1927	-	B12	PT	D 005	-
25895	Superheater Steel Smoke Tube with Screwed Ends	Full size details of 5" diameter tube, 12'3 <sup>7</sup> / <sub>8</sub> " overall length Endorsed: thread pitch altered from 12 t.p.i. to 11 t.p.i., dated 21.6.26	-.1.26	1926	D56	D15	PT	D 033	-
25898	Arrangement of Walschaert Valve Gear for Model Motion	3" to 1' arrangement of gear Endorsed: for details, see Dg No 25882	-.2.26	1926	-	-	PT	D 016	-
25899	Alteration and Additions to Bogie Axlebox Protection Plate Express Engines Types B12 (GE Class S69) D14, D15, D16 (GE Classes S46, D56, H88) and D13 (GE Class T19)	6" to 1' elevations and plan showing assembly Endorsed: altered 8.6.26 for T19 class	-.2.26	1926	S69 S46 D56 H88	B12 D14 D15 D16	PT	D 065	-
25901	0-6-2 Tank Engines Type N7-Flange of Water Gauge Column	Full size details of flange Endorsed: for engines built by Robert Stephenson & Co. Ltd.	4.2.26	1926	L77	N7/1	PT	D 034	-
25903	Drawbar Plates for Engines and Tenders Fitted with New Standard Draw Hook and New Standard Buffers to Dg Nos 26000E and 26002E Respectively	Elevations and plans of three plates with written fitting instructions Endorsed: altered 18.1.28 and 19.6.33	-.2.26	1926	M15 O18 G69 S44	F4 F5 F6 G4	PT	D 008	-
25903 -1	Tank Engines Type N7-Drawbar Plate	Full size elevation, section and plan of plate	8.3.27	1927	L77	N7	PT	D 034	-
25903 Att	4.6.0 Engines B12 Type-Draw Bar Plates for Engine and Tender	Full size elevation, section and plan of plates	29.3.28	1928	S69	B12	PT	D 008	-
25904	Alteration to Intermediate Valve Spindles to suit T18 Class Cylinders	Full size details of alterations Endorsed: for cotter and valve buckle, see Dg No 13673 My comment: indicates T18 type cylinders fitted to works engine 'D'	4.2.26	1926	204	J92	PT	D 008	-
25926 Att	Six Wheels Coupled Tank Engines Class T18- Alteration to White Metal in Connecting Rod Big End Brasses for Engines with Built-Up Crank Axles	Full size details of white metalling in brasses Endorsed: altered in 10.3.43 My comment: drawing previously Dg No 7116 Att; for built-up crank axles, see Dg No 24156	-.2.20	1920	T18	J66	PT	D 008	-
25948	Six Coupled Radial Tank Engines Type N7- Arrangement of Radial Axlebox	3" to 1' detailed elevations and plan My comment: stores ordering drawing	-.8.26	1926	-	N7	PT	D 054	-
25953 Part	Adaption of Old Wheel Centres to suit Standard tyres	Full size details of alterations Copy of part of Darlington Dg No 11071-91-D	24.4.31	1931	-	-	PT	D 060	-
25954	Diagram showing Relative Position of Tender Buffer to Carriage or Wagon Buffer	1½" to 1' outline side elevation showing buffer contact	20.2.26	1926	-	-	PT	D 089	-
25959	Firedoor Screen	3" to 1' and full size screen for oval firedoor My comment: assumed to be Gorton-built N7	-.9.26	1926	L77	N7	PT	D 046	-

		Copy of Gorton Dg No 15072C							
25962	Altered Position of Tank Levelling Pipe & Modification of Motion Balancing Gear	1½" and 6" to 1' arrangement showing tank levelling pipe moved to be approximately over the centre line of driving axle My comment: for right-hand drive locomotives	-.3.26	1926	L77	N7	PT	D 052	-
25969	Spring Brackets and Radial Arm Pivot Support	3" to 1' elevation and plan Endorsed: steel bush added, -.1.37; for radial arm see Dg No 25996	-.3.26	1926	L77	N7	PT	D 035	-
25969 Part	Spring Bracket & Radial Arm Pivot Support Casting	3" to 1' elevation, section and plan of castings My comment: Stores Ordering drawing	-.8.26	1926	L77	N7	PT	D 062	-
25971	0-6-2T Engines Type N7 with Motion Arrangement to Drg 25931-Motion Plate	3" to 1' details of motion plate	-.4.26	1926	L77	N7	PT	D 071	-
25971	Motion Plate	3" to 1' elevation, section and plan of plate My comment: for locomotives with motion to Dg No 25931	-.4.26	1926	L77	N7	PT	D 042	-
25971 Part	Cast Steel Motion Plates	3" to 1' elevation, section and plan of castings My comment: for locomotives with long valve travel motion arrangement to Dg No 25931 My comment: Stores Ordering drawing	-.8.26	1926	L77	N7	PT	D 039	-
25988	Engs F9 (8312, 8313)-Leading and Trailing Springs	3" to 1' details of two springs Endorsed: engines scrapped My comment: to suit Colne Valley & Halstead Railway 2-4-2T locomotives	-.3.26	1926	-	F9	PT	D 071	-
25996	Six Coupled Radial Tank Engines Type N7-Forgings for Radial Axle-box	3" to 1' and full size details of forgings Endorsed: for radial arm pivot support, see Dg No 25969	22.3.26	1926	L77	N7	PT	D 034	-
25997	Superheater Steel Smoke Tube with Screwed End	Full size details of tube Endorsed: screwed end altered to 11 t.p.i., dated 21.6.26	-.3.26	1926	S69	B12	PT	D 049	-
26000	Engine and Tender Drawhook-Steel	Full size elevation and plan for Group standard and for renewals Copy of Darlington Dg No 11409D	- .525	1925	-	-	PT	D 078	-

## THE GERS DUPEN COLLECTION OF STRATFORD WORKS DRAWINGS

### LOCOMOTIVES Part I Dg Nos 2760 to 26000

This document comprises the following files:

Dupen 001 to 019 (part)  
Dupen from NRM Locos 1(part)  
Dupen from NRM Locos 2 (part)  
Dupen from NRM Locos 3 (part)

Edited by John Watling June 2005



## THE GERS DUPEN COLLECTION OF STRATFORD WORKS DRAWINGS

### LOCOMOTIVES Part 2 Dg Nos 26001 to 42450A

Dg No	Title of Drawing	Description	Date	Year	Order No	Class/ Diagram	Dg Type	Roll No	Cd
26001	Oil Cup Covers (Bronze)	Full size details of new covers of various types for group standard engines, new Endorsed: cancelled, see Dg No 26037-E; superseded by new Dg No 26001 (copy of Dg No 11050D), dated 5.2.32 Copy of Darlington Dg No 11050-D, dated 21.1.25	-.1.26	1926	-	-	PT	D 043	-
26001	Oil Cup Covers, Bronze	Full size details of new covers of various types for group standard engines, new Endorsed: this drawing superseded by Dg No 26001-E (copy of Dg No 11050-D), dated 5.2.32 Copy of Darlington Dg No 11050-D, dated 21.1.25	-.3.27	1927	-	-	PT	D 044	-
26001	Oil Cup Covers-Bronze	Full size details of covers with 'button' top and spring for motion work Endorsed: 'Cancelled see Drg No 26037' Copy of group standard Darlington Dg No 11050-D	-.12.32	1932	-	-	PT	D 077	-
26001 Att	Details of Pin Trimming Lubrication	Full size details for connecting and coupling rods My comment: group standard, for new engines Copy of Darlington Dg No 11050/1 D	-.4.27	1927	-	-	PT	D 077	-
26002-1	Double Case Buffer for Engine & Tender	Full size details of group standard buffer for new engines and renewals Copy of Darlington Dg No D-10824-D	-	-	-	-	PT	D 044	-
26002	Double Case Buffer for Engine & Tender	Full size details of group standard buffer for new engines and renewals My comment: see later tracing, Dg No 26002-1, dated 17.11.36 Copy of Darlington Dg No 10824-D	-.1.26	1926	-	-	PT	D 043	-
26003	Arrangement of Feedwater Cocks Group Standard Tenders 4200 Gals.	1½" to 1' arrangement of feedwater pipes and flexible connections between engine and tender on outline of part tender and cab My comment: for tenders fitted with vacuum brake. For tenders fitted with steam or Westinghouse brake, see Dg No 11774-D Copy of Darlington Dg No 11777D	-.4.26	1926	-	-	PT	D 044	-
26004	Arrangement of Feedwater Cocks	1½" to 1' arrangement of feed pipes from tender to engine My comment: for details, see Dg No 10911-D For group standard 4200 gallon tender Copy of Darlington Dg No 11774-D	-.2.26	1926	-	-	PT	D 055	-
26005	Engine & Tender 3 Link Coupling	Full size elevation and plan of group standard coupling for new engines and renewals My comment: for hook, see Dg No 11409-D Copy of Darlington Dg No 11498-D, dated -.10.25	-.6.26	1926	-	-	PT	D 044	-
26006	Standard Washout & Fusible Plugs	Full size details of plugs	-.6.26	1926	-	-	PT	D	-

		My comment: for future fusible plugs, see Dg No 32418, dated 16.3.35 Copy of Darlington Dg No 11030-D						045	
26006 Att	Standard Washout Plugs	Full size details of plugs Endorsed: for classes B12, J18-long valve travel; B12, J18, D15; D14-D16, J16-J19 'D&J' boiler; J69	-4.28	1928	S69 S46 D56 H88 F48 G58 E72 T77 R24 S56	B12 D14 D15 D16 J16 J17 J18 J19 J69	PT	D 045	-
26006 Att 2	Short Standard Washout Plugs	Full size details of plugs Endorsed: for Westinghouse/vacuum fitted J15 engines (rubber spring gear).; for group standard fusible and washout plugs, see Dg No 26006; for long standard washout plugs, see Dg No 26006 Att	-11.31	1931	Y14 C72 R24 S56	J15 J68 J69	PT	D 045	-
26006 Att 3	Wash Out Plug (Medium)	Full size details of plug Endorsed: drawing prepared to send to Doncaster in connection with hot pressing plugs	-12.43	1943	-	-	PT	D 045	-
26007 Ren	1½" Blow Off Cock	Full size arrangement and table of dimensions to suit various LNER classes	12.12.41	1941	-	B12 J20	PT	D 089	-
26007 Att	Alteration to Flanges of Standard Blow Off Cocks to suit G.E. Engines	Full size details of alteration My comment: two types of flange: three-bolt circular type, supersedes Dg No 1855; four-bolt rectangular type, supersedes Dg No 6167	-7.26	1926	-	-	PT	D 045	-
26008	Screw Coupling with Gedge Hook	Full size elevation and plan of coupling for new engines and renewals fitted with continuous brake, except eight-wheel coupled coal engines Copy of Darlington Dg No D-11646-D	-	-	-	-	PT	D 045	-
26008	Screw Coupling	Full size elevation and plan of group standard coupling for new engines and renewals fitted with continuous brake, except eight-wheel coupled coal engines Copy of Darlington Dg No 11646-D	-6.26	1926	-	-	PT	D 043	-
26012	Engine & Tender Buffer Castings	Full size elevation, section and plan of castings My comment: later Doncaster Dg No Y <sup>D</sup> 612-1N and Dg No Y <sup>D</sup> 612-2N noted for various engine orders up to 1942	26.9.21	1921	-	-	PT	D 082	-
26012	Buffer Socket Engine & Tender-Double Case Buffer Castings	Full size elevation, section and plan of group standard buffer Endorsed: buffer sleeve to be steel forging, 20.11.36 My comment: probably ordering drawing for castings. See later Dg No Y <sup>D</sup> 612-2N Copy of Darlington Dg No 10824/1 D	-	-	-	-	PT	D 038	-
26012 -1	Group Standard Buffer Casings	3" to 1' elevation, section and plan of steel buffer stock and forged steel plunger My comment: Stores Ordering drawing	19.12.33	1933	-	-	PT	D 082	-


		Copy of Darlington Dg No D10824D							
26013	Engine & Tender Buffer Spindle-Group Standard	6" to 1' elevation, section and plan of spindle, two per engine and two per tender, 1'4" diameter Copy of Darlington Dg No 10824/3	-.4.36	1936	-	-	PT	D 071	-
26014	India Rubber Pad for Group Standard Buffer	Full size elevations of seven Spencer Moulton & Co. concentric springs Copy of Dg No 10824/4 – D	1.3.27	1927	-	-	PT	D 038	-
26015	India Rubber Pad for Group Standard Buffer	Full size elevations of three Spencer Moulton Patent No 297 India Rubber concentric springs Copy of Darlington Dg No 10824/5 D	2.3.27	1927	-	-	PT	D 080	-
26018 Part	Group Standard Water Gauge-Rubber Packing Rings for Gauge Glasses	Full size elevations and section of rings	-.1.30	1930	-	-	PT	D 043	-
26019	Superheater Elements-Details of Bands & Supports	Full size details of components for group standard Copy of Darlington Dg No 10462-D	-.6.28	1928	-	-	PT	D 046	-
26022	Mild Steel Buffer Distance Piece-Group Standard for New Engines and Renewals	Full size elevation of component Copy of Darlington Dg No 2585/7.4	-.4.36	1936	-	-	PT	D 053	-
26023	Standard Set Bolts for Securing Side Rod Bushes	Full size details of bolts Copy of Darlington Dg No 13162-D, dated 25.3.29	-.4.29	1929	-	-	PT	D 046	-
26025	Cover for Hole in Tender Lap Plate	Full size details of plate around brake screw where it goes through lap plate My comment: locomotive classes not stated, but possibly standard part Copy of Darlington Dg No 13768-D, dated -.11.29	7.12.29	1929	-	-	PT	D 063	-
26026	Feed Water Cock & Details	Full size details of seven components: strainer, cock, brackets, etc. for group standard 3500 gallon and 4200 gallon tenders Endorsed: holes in strainer altered, 12.5.32 My comment: see later drawing, with same Dg No, for alteration of position of lever for feed cock, dated -.7.30 Copy of Darlington Dg No 14036-D	-.4.30	1930	-	-	PT	D 032	-
26027	Details of Drawgear Between Engine & Tender	Full size details of seven pins and links to suit LNERy engines and group standard 3500 gallon and 4200 gallon tenders My comment: superseded by Dg No 33524, dated 17.6.40; see Dg No 12845-D for steel drawspring; for engine drawgear, J38, J39, D49, see Dg No 11452-D Copy of Darlington Dg No 10913D	-.4.30	1930	-	-	PT	D 085	-
26028	Steam and Westinghouse Brake Details	3" to 1' and full size details of twenty four components, brake rigging and fittings for tenders built after 1.3.28 for group standard 3500 gallon tender Endorsed: pull rod end lengthened in red, 2.12.31; for general arrangement, see Dg No 12610-D; for unidentified component, see Dg Nos 12187-D and 12295-D; for spring, see 11123-D Copy of Darlington Dg No 12609-D	-.3.28	1928	-	-	PT	D 032	-
26032	Brackets for Carrying Fireirons	1½" to 1' and full size drawings of brackets and side elevation of top of tender coping showing bracket position for group standard 3500 gallon and 4200 gallon tenders	-.5.24	1924	-	-	PT	D 032	-

		Endorsed: altered for tenders with straight coping, 15.2.28. Front bracket moved forwards, 10.7.30; for tenders built after -.5.30, see 10909/I, dated 11.7.30 Copy of Darlington Dg No 10909D							
26033	Liner and Oilbox for Top of Axleboxes of Middle Axle Only	Full size sectioned elevations and plan of components for group standard 3500 gallon and 4200 gallon tenders My comment: if oilbox not required, then for cover, see Dg No 35263, dated 7.10.42 Copy of Darlington Dg No 14434-D	-.5.31	1931	-	-	PT	D 032	-
26034	Extra Dust Shield for Axleboxes	Full size elevation of shield for group standard tenders My comment: to suit axleboxes to Dg No 11206D; for alteration to steel plate and rubber composition dust shield, see Dg No 34679 and Dg No 34680 Copy of Darlington Dg No 14498D; original dated 28.4.31	-.6.31	1931	-	-	PT	D 071	-
26035	Clinker Shovel	6" to 1' elevations of shovel My comment: superseded by Dg No 00.229 (36966E), dated 24.8.48 Group standard part Copy of Darlington Dg No 15137-D	6.8.32	1932	-	-	PT	D 071	-
26035 Part (?)	Fire Irons (?)	3" to 1' details of clinker shovel, pricker and dart My comment: shovel Dg No 26035. Superseded by Dg No 00.229 (36966-E), dated 24.8.48 Group standard. My comment: end of drawing, with title etc., missing	-	-	-	-	PT	D 071	-
26037	Standard Oil Cup Covers	Full size and twice full size details of nine standard oil cup covers and components My comment: supersedes Dg No 26001. Superseded by Dg No 26037-1 Copy of Doncaster Dg No S-298-N	-.-.34	1934	-	-	PT	D 032	-
26037 -1	Standard Oil Cup Covers	Full size and twice full size details of thirteen different oil cups and components My comment: superseded by Dg No 26037-2 Copy of Doncaster Dg No S-298-N	-.2.34	1934	-	-	PT	D 032	-
26037 -2	Standard Oil Cup Covers	Full size and twice full size details of different oil cups and components Endorsed: item 'N' deleted and replaced by item 'O'; reissued as Dg No 26037-2 Copy of Doncaster Dg No S-298-N	-.7.34	1934	-	-	PT	D 032	-
26037 -4	Standard Oil Cup Covers	Full size details of oil cup covers Endorsed: original amended at various dates My comment: superseded by Dg No 34656; Dg No 34657; Dg No 34658 Copy of Doncaster Dg No S-315-N	-.-.36	1936	-	-	PT	D 032	-
26047	Eccentric Sheaves	Full size elevations and plan of sheaves Copy of Darlington Dg No 11241-D	-.1.30	1930	-	J39	PT	D 050	-
26052 Att	Lubrication Funnel and Pipe for Pin in Lower Arm of Motion Rocking Shaft	Full size details of components Endorsed: for locomotives fitted with piston valves	-.5.33	1933	-	D16/3	PT	D 037	-

		My comment: endorsed with signature of "E Thompson"							
26059	Connecting Rod	Full size details of rod and big end detail My comment: superseded by Dg No 34494	-.4.30	1930	-	J39	PT	D 056	-
26060	Coupling Rod Bushes	Full size details of bushes shown in coupling rod Part copy of Dg No 11219D, dated 18.2.30	-.3.30	1930	-	J39	PT	D 058	-
26156	Spring for Cast Iron Packing for Piston Rods	Full size details of spring four per engine Copy of Darlington Dg No 11150/2 D	12.12.28	1928	-	D14 D15 D16 J38 J39	PT	D 015	-
26226 Att	Engines Type N7-Alteration to Blast Pipe Condenser Valve Cover	Full size details of alteration My comment: see Dg No 26226 for other dimensions	22.10.32	1932	-	N7	PT	D 016	-
26272 -I	0.6.2T Superheated Tank Locomotives-Standard Steam Heating Hose Pipe & Coupling	Full size arrangement of complete hose and four components My comment: copy of contractors drawing-Stephenson?	- .2.28	1928	-	N7	PT	D 016	-
26284 Att	Locking Plate for Valve Motion Bracket on Crosshead	Full size scrap elevations of bottom of crosshead Endorsed: for crosshead arm, for short valve travel, see Dg No 34525; for crosshead arm, for long valve travel, see Dg No 32429; for welding of arm to crosshead, see Dg No 19235	-.5.26	1926	L77	N7	PT	D 033	-
26285 -I Part	Sketch showing Modification to Connecting Rod	Full size sketch showing modification My comment: appears to be two lubricating felt pads in top and bottom of brasses My comment: paper tracing torn	-	-	L77	N7	PT	D 078	-
26359	Trailing Spring	Full size elevation, section and plan of spring Endorsed: for locomotives with a radial axlebox arrangement to Dg No 25948	-.3.26	1926	L77	N7	PT	D 052	-
26360	0-6-2T Engines Type N7 with Motion Arrangement to Dg 25931-Piston Valve Bushing for Piston Valves with Narrow Rings	Full size details of bushing Endorsed: for future engines and renewals see Dg No 28435	-.3.26	1926	L77	N7	PT	D 052	-
26363	Piston Valve (with Narrow Rings) and Spindle for Locomotives with Long Valve Travel and Motion Arrangement to Dg No 25931	Full size elevation, section and plan of spindle Endorsed: superseded, see Dg No 38048, dated 17.4.56	-.3.26	1926	L77	N7	PT	D 055	-
26368	0-6-2T N7 with Radial Axlebox Arrangement to Dg No 25948-Trailing Wheel	3" to 1' and full size detail of wheel, 3'6" diameter on tread	-.2.27	1927	L77	N7	PT	D 063	-
26368	Trailing Wheel for Locomotives with radial axlebox arrangement to Dg No 25948	3" to 1' elevation, section and plan and full size section of wheel, 3'0" over centre; 3'6" on tread; with 8¾" diameter axle bore	7.3.27	1927	L77	N7	PT	D 039	-
26368	Tank Engines Type N7-Cast Steel Trailing Wheel Centres	3" to 1' and full size details of centres Endorsed: for radial axlebox arrangement, see Dg No 25948	7.3.27	1927	L77	N7	PT	D 015	-
26369	Sketch showing Arrangement of Stayholes in Boiler Types J68, J69	1½" to 1' sketches showing four views	-.3.26	1926	C72 R24 S56	J68 J69	PT	D 055	-
26371	Details of Footsteps & Handrails on Bunker	Full size details of steps and rails Endorsed: for positions see Dg No 26374	-.4.26	1926	L77	N7	PT	D 042	-
26373	Cab, Tank & Bunker Sections	6" to 1' and full size detailed sections of joints, etc., at various points	-.4.26	1926	L77	N7	PT	D 071	-
26376	Reversing Screw, Nut, Bracket & Wheel for engines	3" to 1' and full size detailed arrangement	-.4.26	1926	L77	N7	PT	D	-



	with left-hand drive and with motion arrangement to Dg No 25931	My comment: similar to standard GERy reverse, but screw has "Acme" thread, and white-metalled nut						054	
26384	Cast Iron Firebars (Group Standard)	3" to 1' details of firebars and table of dimensions for all GE classes	- .4.26	1926	-	-	PT	D 075	-
26384 Att	Cast Iron Side Firebars to be Used with Group Standard Plain Bars to Dg No 26384	3" to 1' details of firebars and table of dimensions for all GE classes	- .7.26	1926	-	-	PT	D 075	-
26390	Details of Motion for engines with long travel valves and motion arrangement to Dg No 25931.	3" and 6" to 1' and full size details for links, radius rods, combination lever, die blocks, valve spindle ends, etc.	-.5.26	1926	L77	N7	PT	D 085	-
26390 -I	Alteration to Crosshead Arm	Full size details of alteration Endorsed: superseded by Dg No 32429	-.11.28	1928	L77	N7	PT	D 042	-
26391	Eccentric Strap and Rod	Full size detailed arrangement My comment: for engines with motion arrangement to Dg No 25931	-.5.26	1926	L77	N7	PT	D 072	-
26392	Eccentric Sheave for engines with long valve travel motion to Dg No 25931	Full size elevation, section and plan of sheave Endorsed: superseded by Dg No 35141, dated -.11.42	-.4.26	1926	L77	N7	PT	D 045	-
26396	Crosshead for 18" x 30" Cylinders	Full size general arrangement My comment: Copy of GWRy Dg No 73650 (previously Dg No 43254) to suit GWRy 4-6-0, 4-4-0 and 4-4-2T locomotives	-.4.24	1924	-	-	PT	D 032	-
26399	Proposed Alteration to Crosshead No 50 for Engines Class A1	Full size scrap sections of crossheads, before and after alteration My comment: drawing prepared at Doncaster	-.4.26	1926	-	A1	PT	D 032	-
26404	Six Coupled Radial Tank Engines Type N7 with Motion Arrangement to Dg 25391-Arrangement and details of reversing gear, reversing shaft and brackets -	1½" to 1' arrangement and 3" to 1' details of components Endorsed: for balancing gear, see Dg No 25962; for reversing screw, see Dg No 26376; for release spring, see Dg No 10767 My comment: for left-hand drive engines	13.5.26	1926	L77	N7	PT	D 034	-
26406	0-6-2 Tank Engines Type N7 Tank Connection Pipes	3" to 1' and full size details of pipes	30.4.26	1926	L77	N7	PT	D 034	-
26423	Engines Class T19 with 25" Stroke Steel Crank Axle	3" to 1' elevation, section and plan of axle	25.10.26	1926	T19	D13	PT	D 010	-
26423 Part	Steel Crank Axles	3" to 1' elevation, section and plan of forging of axle for T19 class, with 25" stroke My comment: Stores Ordering drawing	11.5.26	1926	T19	D13	PT	D 009	-
26424	0.6.2 Tank Engines Type N7 with Motion Arrangement to Dg 25931-Alteration and Additions to Front Flap Plate	6" to 1' details of alteration	7.5.26	1926	L77	-	PT	D 010	-
26440	Plate to Indicate Boilers fitted with Standard Washout & Fusible Plugs	Full size drawing of plate inscribed 'Boiler fitted with Standard Plugs Washout & Fusible' Endorsed: see Mr. Heywood's letter dated 24.3.26 and blueprint 15022C	27.5.26	1926	-	-	PT	D 010	-
26441 Parts 1-4	Steel Forgings for Crank Pins	6" to 1' sketches on one sheet - Part 1 – J16 L&T - Part 2 – B12 - Part 3 – N7 Part 4 – J66	- .6.26	1926	-	B12 J16 J66 N7	PT	D 046	-

26441-5	Steel Forgings for Crank Pins	6" to 1' elevations and plan of forgings marked diamond-shaped symbol containing L77 1, viz.  with a My comment: Stores Ordering drawing	- .11.26	1926	L77	N7	PT	D 068	-
26445	Six Wheels Coupled Express Engines Type B12 (S69 Class) Without Exhaust Injector-Alteration to Leading Sand Boxes and Footplating to Suit Lentz Valve Gear	1½" to 1' elevations, plan and section of sand box	- .6.26	1926	S69	B12/2	PT	D 005	-
26446	Arrangement of Diamond Soot Blower 'E' Type	1½" to 1' and full size elevation of firebox and detail	- .6.26	1926	S69	B12	PT	D 005	-
26448	Arrangement & Details of Rocking Shafts, Levers, Rods, etc. for Lentz Valves	3" to 1' and 6" to 1' detail drawings of components Endorsed: alteration to shaft, dated 23.4.30 My comment: cross refer to the following: for leading sandbox and alterations to platform, see Dg No 26445; for lubricator, see Dg No 17253; for bracket for reversing shaft, see Dg No 17245. For locomotives with Lentz valve gear	- .6.26	1926	S69	B12	PT	D 005	-
26448 Att	Alteration to Fixing of Outside Rocking Levers to Shaft	6" to 1' details of alteration for locomotives with Lentz valve gear	- .3.29	1929	S69	B12	PT	D 042	-
26450	Sieve in Tank Filling Hole	3" to 1' and full size detail of sieve with 9/16" diameter holes Copy of Gorton Dg No 15134-C	- .2.28	1928	-	N7	PT	D 012	-
26462	Boiler Registration Plate showing Additional Lettering to Indicate Number of Threads per Inch on Flue Tubes	Full size detail of plate 3⅝" diameter	- .6.26	1926	-	-	PT	D 077	-
26466	4.4.0 Express Engine (D56 & H88 Classes)-Sketch showing Method of Adapting Brake Hanger Levers to suit Standard Brake Block	3" to 1' details of assembly	- .6.26	1926	D56 H88	D15 D16	PT	D 013	-
26470	0-6-0 Goods Engines, GE Section-Sketch showing Standard Centre Bearing between Engine & Tender	3" to 1' details of bearing My comment: to suit GERy 0-6-0 goods engines	- .6.26	1926	-	-	PT	D 073	-
26477	8"-8½" Westinghouse Pump-Locking Plate for Cap of Air Valve Box	6" to 1' and full size details of plate	8.7.26	1926	-	-	PT	D 010	-
26478	Four Wheels Coupled Bogie Tank Engines Type G4 (S44 Class)-Automatic Drain Valve for Steam Chest	Full elevations, section and plan of brass valve 17.7.26	1926	1926	S44	G4	PT	D 010	-
26479	Engines with Inside Cylinders G.E. Section-Arrangement of Cotter Clearances on Connecting Rod Big Ends	6" to 1' arrangement My comment: reference made to N7	12.7.26	1926	-	N7	PT	D 010	-
26484	Arrangement of Cast Steel Centre Bearing between Engine & Tender	3" to 1' elevation, section and plan of bearing Endorsed: this bearing used on engines fitted with steam brake. Fitted to goods engines, in addition to normal side buffers	- .7.26	1926	-	-	PT	D 074	-
26484 Att	Centre Bearing between Engine and Tender	6" to 1' elevation, section and plan of bearing My comment: for GE Section 0-6-0 goods engines fitted with steam brake My comment: Stores Ordering drawing	4.9.26	1926	-	-	PT	D 034	-
26485	(Diagram of Hammer Blow, Y14 with No Balance Weights)	Unscaled diagram of calculated hammer blow at 5 r.p.s. My comment: equivalent to a speed between 52 m.p.h. and 57 m.p.h.	- .9.26	1926	Y14	J15	PT	D 075	-
26486	Engine No. 7545 with Balance Weights (Hammer	Unscaled small diagram showing hammer blow on leading and	- .7.26	1926	Y14	J15	PT	D	-

	Blow)	trailing wheels						078	
26489	8"-8½" Westinghouse Pump-Stop for Cap of Air Valve Box	Full size details of cap	- .7.26	1926	-	-	PT	D 034	-
26490	Bridge Stress Committee-Details Required for Centre of Percussion Tests of Connecting Rod and Bracket for Testing Unbalanced Moment of Wheels	3" to 1' arrangement of bracket and full size details	- .10.26	1926	Y14	J15	PT	D 075	
26494	Arrangement and Details of Mechanical Lubrication for Lentz Valve Gear	1½" to 1' and full size scrap elevation and plan of front of frames showing arrangement of pipes, together with drawings of details My comment: cross refer to the following: for union and pipe, see Dg No 25930; for oil cup, see Dg No 10461; for cock, see Dg No 25452; for hole in frame, see Dg No 25929; for mechanical lubrication, see Dg No 23768; for shaft, see Dg No 17277; for shaft and rodding, see Dg No 18203 For locomotives with Lentz valve gear	- .7.26	1926	S69	B12	PT	D 032	-
26504	Steel Smoke Tubes for Superheater	Full size details of 5" diameter tubes with screwed ends My comment: cross refer to standard screwed end, see Dg No 26602-I, superseded by Dg No 26903, dated 10.10.27 My comment: Stores Ordering drawing	- .7.26	1926	-	N7	PT	D 035	-
26516	Six Wheels Coupled Coal Engines Type J20 (D81 Class)-Coupling Rod with Wire Trimmed Oil-Boxes	Full size elevations, plan and section of coupling rod My comment: for engines with larger oil-boxes. For bush locking nuts and set bolts dispensed with, except on driving axle, see Dg No 34818; for adaptors for old rods, see Dg No 29313; for standard oil cup covers, see Dg No 26001; for bushes with white metal pockets, see Dg No 26516 Att	- .8.26	1926	D81	J20	PT	D 016	-
26516 Att	Coupling Rod Bushes	Full size two drawings for leading and trailing and driving My comment: bushes made of bronze	7.2.46	1946	D81	J20	PT	D 015	-
26523	Ashpan & Firebar Arrangement	3" to 1' and full size arrangement of ashpan, firebars and damper gear My comment: for engines built at Gorton Copy of Gorton Dg No 15149-C	- .9.26	1926	-	N7	PT	D 070	-
26525 -2	Cast Steel Wheels	3" to 1' elevations and sections of castings of leading, driving and intermediate wheels My comment: Stores Ordering drawing	- .3.27	1927	-	N7	PT	D 046	-
26528	Six Wheels Coupled Goods Engines Type J15 (Y14 Class)-Arrangement and Details of Diamond Soot Blower Type E	1½" to 1' arrangement shown on outline of cab and boiler and full size details of components	- .9.26	1926	-	J15	PT	D 074	-
26532	Six Wheels Coupled Goods Engine Class D81 with Lentz Valve Gear-Cast Iron Steam Pipe Connection	Full size elevation and section of connection	25.8.26	1926	D81	J20	PT	D 008	-
26533	G.N. Engines Type J52-Section through Nearest Rivet Hole of Firehole Door Hinge	Full size section of door hinge Endorsed: for hinge see Dg No 26389, copy of Doncaster Dg No X270)	- .8.26	1926	-	J52	PT	D 008	-
26535	Model Link Motion-Additional Details Required for Trial of Lentz Valve Gear of 4.6.0 Engines, Class S69	1½", 3" and 6" to 1' and full size details showing part of model	- .9.26	1926	S69	B12	PT	D 008	-
26537	Tubes for Sentinel-Cammell Steam Coaches	3" to 1' details of two types of tube	3.9.26	1926	-	-	PT	D 008	-

26545	Tank Engines Type N7-Axle for Radial Axlebox	3" to 1' elevation and section of axle Endorsed: for radial axlebox, see Dg No 25948	14.9.26	1926	-	N7	PT	D 008	-
26551	Built Up Crank Axle	3" to 1' elevations and plan of crank axle for engines built at Doncaster. Endorsed: same as the axle for engines built by Robert Stephenson & Co., except the journal diameter is 7 <sup>5</sup> / <sub>8</sub> "; BR steel specification added; for crank axle, Stephenson engines, see Dg No 26298	- .9.26	1926	-	N7	PT	D 033	-
26565	Steel Tyres	Full size elevation and section of tyre My comment: Stores Ordering drawing	- .12.26	1926	-	N7	PT	D 052	-
26565 -I	Steel Tyres-Tank Engines Type N7	Full size elevation and section of tyres for all wheels Endorsed: see Dg No 27369	6.2.28	1928	-	N7	PT	D 015	-
26568	Details of Indicating Gear	3" and 6" to 1' and full size details of brackets, levers, etc. for engine No. 1270	- .6.20	1920	D81	J20	PT	D 057	-
26568 Part	Proposed Alteration to Position of Back Cab Windows Type N7	1½" to 1' rear elevation of cab showing existing and proposed positions	- .12.28	1928	-	N7	PT	D 015	-
26570	Y14 Class Engine without Balance Weights-Hammer Blows	Unscaled diagram showing balancing moments	8.10.26	1926	Y14	J15	PT	D 079	-
26570	Y14 Class Engine without Balance Weights-Hammer Blows	Unscaled diagram showing balancing moments My comment: very similar to Dg No 26570, dated 8.10.26	-	-	Y14	J15	PT	D 079	-
26571	Engine J15 with Balance Weights-Hammer Blow	Unscaled diagram for leading and trailing wheels My comment: for engine No 7545	9.10.26	1926	Y14	J15	PT	D 079	-
26572	0-6-0 Engine No 7545 with Balance Weights-Diagram showing What is Balanced in Each Wheel	Unscaled diagram with notes	8.10.26	1926	Y14	J15	PT	D 079	-
26585 Att	Alteration to Cam Shaft for Lentz Valves for Engine No 8516	Full size elevations of cam shaft	- .10.27	1927	-	B12	PT	D 071	-
26586	0-6-0 Engine No 7545, Y14 Class-Balance	Unscaled diagram My comment: appears to be full calculations for balancing. Note use of 'Hearts', 'Diamonds', 'Spades' and 'Clubs' as symbols. Was Albert English (Locomotive Draughtsman) a keen card player?	- .10.26	1926	Y14	J15	PT	D 078	-
26587	Y14 Class Engine without Balance Weights-Hammer Blow Calculations & Diagrams	Unscaled diagram appears to be full calculations for unbalanced engine, calculated at a speed of between 52 m.p.h. and 57 m.p.h.	- .10.26	1926	Y14	J15	PT	D 078	-
26588	Y14 Class (Type J15) Eng. No. 7545 with Balance Weights-Hammer Blow Calculations & Diagrams	Unscaled diagram gives calculation of hammer blow My comment: two-thirds of reciprocating mass is balanced in leading and trailing wheels, one-third in each axle	- .10.26	1926	Y14	J15	PT	D 073	-
26589	Four Wheels Coupled Engines Class T26 (TypeE4) Built Up Crank Axle	3" to 1' elevations of axle with instructions on manufacture	- .11.26	1926	-	E4	PT	D 017	-
26589 -I	Four Wheels Coupled Engines Class T26-Stel Forgings for Crank Axles	3" to 1' elevations of axle with instructions on manufacture My comment: forging ordering drawing	- .11.26	1926	-	E4	PT	D 077	-
26590	Method of Fitting Taper Pin for Securing Crank Pin Washer	Full size detail	- .10.26	1926	-	-	PT	D 076	-
26595	Engines, Tenders, Carriages & Wagons-Sketches of Lamp Irons & Lamp & Disc Sockets	Full size comparison of 'Standard' and GERy types My comment: shows that GE disc and lamps did not fit standard irons and sockets	- .11.26	1926	-	-	PT	D 078	-
26599	Cab Sidedoor Details & Cupboard	3" to 1' elevations and plan Copy of Robert Stephenson & Co. drawing	- .2.28	1928	-	N7	PT	D 055	-

26601	GE Engine and Tender Tyre-Fastening with Proposed Standard Sections shown in Red	Full size elevation and sections Endorsed: for thick flange section A, see Dg No 12016D; for thin flange section E, see Dg No 12016D	23.11.26	1926	-	-	PT	D 034	-
26602	Proposed Standard Steel Superheater-Flue Tube End	Full size detail of end	- .10.26	1926	-	-	PT	D 034	-
26602 -I	Standard Steel Superheater-Flue Tube End	Full size detail of end	9.12.26	1926	-	-	PT	D 034	-
26605	Sketch showing Relative Positions of Diamond Soot Blowers in Engines Nos. 8528 and 8273	Unscaled elevation and section of firebox	- .10.26	1926	-	-	PT	D 034	-
26608	Four Wheels Coupled Mixed Traffic Engines Type E4 (Class T26)-Weights for Balancing Driving Wheels on Wheel Balancing Machine at Doncaster	6" to 1' elevations of 1' 7" and 1' 0 7/16" weights and 6" to 1' elevations of weight 2' 1 7/8" diameter	16.12.26	1926	-	E4	PT	D 034	-
26608 Att	2-4-0 Engines Type E4-Weights for Balancing Test at Doncaster-Alteration Necessary to Reduce the Weight of Each of the Larger Discs by 3 1/2lbs and the Weight of Each of the Smaller Discs by 1 1/2lbs	3" to 1' elevations of weights	13.5.27	1927	-	E4	PT	D 008	-
26609	Proposed Alternative Arrangement of ACFI System of Feed Water Heater	Unscaled side and end elevation and plan of engine showing arrangement, all undimensioned	-	-	S69	B12	PT	D 034	-
26612	Six Coupled Crane Engines B, C & D-Cab Roof Weather Plate	1 1/2" to 1' elevation of plate shown in relation to crane	- .11.26	1926	204	J92	PT	D 034	-
26651	Six Wheels Coupled Bogie Express Engines, Class 1500 Type B12-Castings for Valve Bushings for Piston Valves	6" to 1' elevation, section and plan of castings	27.11.26	1926	S69	B12	PT	D 010	-
26662	Coupling Rods 0.6.2 Tank Engines Type N7	6" to 1' elevation, section and plan of coupling rod Endorsed: altered 7.40; 4.46 and 8.52; for renewals of all bushes, see Dg No 38039, dated 3.11.54; see Attachment for coupling rod bushes with white metal pockets Copy of LNERy Dg No 15117-C	24.3.26	1926	-	N7	PT	D 009	-
26662 Att	Coupling Rod Bushes with White Metal Pockets	Full size elevation, section and plan for leading, driving and trailing wheels	4.4.46	1946	-	N7	PT	D 010	-
26664	Steam Brake Cylinder	Full size full details of cylinder Endorsed: for replacement spring, see Dg No 22398 Copy of Gorton Dg No 15124C	8.4.26	1926	-	N7	PT	D 009	-
26665	0-6-2 Tank Engines N7 (1926)	Full size drawing of components related to braking and Detroit lubricator Copy of Gorton Dg No 15142-C	6.7.26	1926	-	N7	PT	D 009	-
26666	Radial Axlebox	Full size elevations, sections and plans of axlebox Endorsed: work to red, dated 22.4.27; superseded by Dg No 27906 Copy of Gorton Dg No 15155-C	15.6.26	1926	-	N7	PT	D 010	-
26667	Radial Truck Check Spring Arrangement, Type N7 (1926)	Full size arrangement Copy of Gorton Dg No 15174-C	23.6.26	1926	-	N7	PT	D 010	-
26667 Part	Radial Check Spring N7 Type (1926)	3" to 1' elevation and section of spring	- .7.41	1941	-	N7	PT	D 011	-
26669	Sketch of Spark Arrestor fitted to Sentinel Engine at	6" to 1' shows spark arrestor mounted on chimney	10.12.26	1926	-	-	PT	D	-

	Lowestoft	Endorsed: drawing made from sketch and particulars supplied by Mr. Fossett for Sentinel-Cammell car						010	
26683	Arrangement & Details of Water Gauge Pipe & Shield	1½" to 1' arrangement scrap elevation of cab and bunker showing 5½" diameter gauge and pipe mounted on cab side and full size details	- .12.26	1926	-	N7	PT	D 063	-
26685	Alteration to Reservoir Footplate S69 Class	3" to 1' outline of reservoir and showing alteration to lugs for holding brake 'bell crank' plates, under reservoir	- .1.27	1927	S69	B12	PT	D 070	-
26688	Sketch showing Relative Positions of Brick Arch, Grate & Soot Blower Jet on Engine No. 8528	¾" to 1' sections through firebox	- .1.27	1927	S69	B12	PT	D 055	-
26702	(Diagrams of Wheels, for Hammer Blows)	Unscaled diagram of wheels and cranks, with table for insertion of hammer blows, static loads, etc.	-	-	Y14	J15	PT	D 079	-
26702	(Hammer Blow Diagram)	½" to 1' wheelbase diagram and dimensions My comment: drawing not titled, but blank to be filled in on print with details taken from engine	- .3.27	1927	M15	F4	PT	D 072	-
26702	(Hammer Blow Diagram)	½" to 1' drawing not titled, but blank to be filled in on print with details taken from engine	- .3.27	1927	S44	G4	PT	D 072	-
26702	(Hammer Blow Diagram)	½" to 1' drawing not titled, but blank to be filled in on print with details taken from engine	- .3.27	1927	C32	F3	PT	D 072	-
26702	(Hammer Blow Diagram)	½" to 1' wheelbase diagram and dimensions. Drawing not titled, but blank to be filled in on print with details taken from engine	- .3.27	1927	E72 T77	J18 J19	PT	D 072	-
26702	(Hammer Blow Diagram)	½" to 1' wheelbase diagram and dimensions. Drawing not titled, but blank to be filled in on print with details taken from engine	- .3.27	1927	T19R	D13	PT	D 072	-
26702	Engines Type N7	Unscaled master diagram for hammer blow	- .3.27	1927	L77	N7	PT	D 046	-
26702	(Hammer Blow Diagram)	½" to 1' wheelbase diagram. Drawing not titled, but blank to be filled in on print with details taken from engine	-	-	S69	B12	PT	D 032	-
26702	(Hammer Blow Diagram)	½" to 1' wheelbase diagram. Drawing not titled, but blank to be filled in on print with details taken from engine	-	-	D56 H88	D15 D16	PT	D 032	-
26710	Superheater Steel Flue Tube	Full size details of 5" diameter x 12'37/8" long flue tube for engines with diagram 27 boiler My comment: Stores Ordering drawing	- .1.27	1927	D56	D15	PT	D 032	-
26711	Six Wheels Coupled Express Engines Class S69 (Type B12)-Superheater Steel Flue Tube	Full size details of superheater tube My comment: Stores Ordering drawing	31.1.27	1927	S69	B12	PT	D 034	-
26716	Comparison showing Relative Positions of Trailing Buffer Beams of N7 and N2 Engines on a 8¼ Chain Curve	1½" to 1' sketch	21.1.27	1927	-	N2 N7	PT	D 034	-
26724	Diagram of Wheelbase, Proposed 2-6-4T Engine	3/16" to 1' diagram of engine with 6'2" diameter driving wheels, weight 85 ton 10 cwt	- .1.27	1927	-	-	PT	D 071	-
26726	Steel Tubes	Unscaled drawing of tubes, 1.75" O.D. x 11 gauge, 12'5" long for engines with "D&J" boiler and 13'2" long for B12 and J20 classes My comment: possibly stores ordering drawing for tubes	- .1.30	1930	S69 S46 D56 H88 F48 G58 E72	B12 D14 D15 D16 J16 J17 J18	PT	D 053	-

					T77 D81	J19 J20			
26727	Steel Tubes	Unscaled ordering drawing for tubes, 1.625" O.D X 11 gauge, length blank	- .1.27	1927	-	-	PT	D 071	-
26728	Arrangement of Lubrication for Piston Rods, Valve Spindles and Valve Spindle Guides on Engine No. 913	3" to 1' arrangement My comment: six-feed oil-box used, presumably experimental	- .2.27	1927	-	N7	PT	D 072	-
26756	Cross Section of Silicon Manganese Spring Steel	Full size details of spring 3 9/16" x 1/2" nibbed	- .2.27	1927	-	-	PT	D 087	-
26765	Calculations for Hammer Blow	Unscaled diagram and calculation master sheet My comment: for N7 Pt 1-22 engines; Pt 2-50 engines	- . - .27	1927	-	N7	PT	D 046	-
26765	Calculations for Hammer Blow	Unscaled diagram with blank form for filling in details of individual engines, including instructions for making calculations, diagrams of crank positions and of engine wheelbase	-	1927	S69	B12	PT	D 023	-
26765	Calculations for Hammer Blow	Unscaled diagram with blank form for filling in details of individual engines, including instructions for making calculations, diagrams of crank positions and of engine wheelbase	-	1927	D56 H88	D15 D16	PT	D 023	-
26765	Calculations for Hammer Blow	Unscaled diagram with blank form for filling in details of individual engines, including instructions for making calculations, diagrams of crank positions and of engine wheelbase	-	1927	S44	G4	PT	D 023	-
26765	Calculations for Hammer Blow	Unscaled diagram with blank form for filling in details of individual engines, including instructions for making calculations, diagrams of crank positions and of engine wheelbase	-	1927	M15 G69	F4 F5 F6	PT	D 023	
26765	Calculations for Hammer Blow	Unscaled diagram with blank form for filling in details of individual engines, including instructions for making calculations, diagrams of crank positions and of engine wheelbase	-	1927	E72 T77	J18 J19	PT	D 023	-
26765	Calculations for Hammer Blow	Unscaled diagram with blank form for filling in details of individual engines including instructions for making calculations, diagrams of crank positions and of engine wheelbase	-	1927	C32	F3	PT	D 023	-
26767	Draw Bar Spring	Full size details of Moulton's Pat No. 400 rubber spring Copy of G. Spencer Moulton Dg No 2154	- .27	1927	-	N7	PT	D 046	-
26768	Auxiliary Bearing Springs for Coupled Wheels	Full size elevation and section of spring Endorsed: top plate reduced to 9/4" x 1/4" Copy of R. Stephenson & Co Dg No 17326 A	- .3.27	1927	-	N7	PT	D 077	-
26769	Auxiliary Bearing Spring for Coupled Wheels	Full size elevation and section of rubber and steel plates block 9 1/2" x 4 1/2" x 3 1/2" thick Copy of G. Spencer Moulton Dg No 5225	- .3.27	1927	-	N7	PT	D 046	-
26770	Arrangement of Air Vent & Overflow Pipes for N7 Type Tank Engines	1 1/2" to 1' arrangement shown on outline of cab and bunker	- .2.27	1927	-	N7	PT	D 072	-
26775	Sandbox Details	3" and 6" to 1' and full size details of sand gear rods, levers, brackets, etc. Endorsed: for alteration to rod to suit engines fitted with Wakefield Lubricator, see 26905 Copy of Gorton Dg No 15171C	- .6.26	1926	-	N7	PT	D 071	-
26776	Cylinder Cock Details	Full size details of cocks, levers, brackets, etc.	- .2.28	1928	-	N7	PT	D	-

		Copy of Gorton Dg No 15176-C, dated 24.6.26						060	
26778	Spring for Steam Brake Cylinder	Full size coil spring; 11¼" free length, 5½" O.D.; 7/16" coil diameter for engines with vacuum brake only Copy of Gorton Dg No 5546-C	- .2.27	1927	-	N7	PT	D 036	-
26779	Automatic Steam Brake Valve-Alteration to Operating Handle	Full size details of altered lever with details, and arrangement of Valve Endorsed: superseded by new tracing, with same number, -.10.30 Copy of Dg No 11758D (Darlington)	- .3.27	1927	-	J38 J39 K3	PT	D 061	-
26779	Automatic Steam Brake Valve: Alteration to Operating Handle	Full size general arrangement of steam brake valve and details of components Copy of Darlington Dg No 11758D	- .3.27	1927	-	B17 D49 J38 J39 K3 W1	PT	D 035	-
26780	Thin Flange Tyre Sections Superimposed on Rolled section to show M/C Allowance	Twice full size sections Endorsed: tyre to Darlington Dg No 12016/I D	- .2.27	1927	-	-	PT	D 042	-
26781	Steel Tubes	Unscaled details for tubes, length blank x 1¾" O.D. My comment: Stores Ordering drawing	- .3.27	1927	-	-	PT	D 055	-
26782	Steel Tubes	Unscaled details for tubes, length blank x 1⅝" O.D. My comment: Stores Ordering drawing	- .3.27	1927	-	-	PT	D 055	-
26790	Piston (with Narrow Rings) and Piston Rod-Type N7	Full size fully detailed section and elevation Endorsed: cancelled, see Dg No 26859, dated 4.27	5.3.27	1927	-	N7	PT	D 015	-
26791	Four Wheels Coupled Tank Engines Type F4 O18-Crank Axle	3" to 1' elevations of axle Endorsed: for stores order see Dg No 26791-I	- .3.27	1927	O18	F4	PT	D 071	-
26791 Part	Steel Crank Axles	3" to 1' elevations and section of crank axle with oval webs Endorsed: superseded by new tracing, Dg No 26791-I undated My comment: Stores Ordering drawing	-	1927	M15	F4	PT	D 032	-
26791 -I	Steel Crank Axles	3" to 1' elevations and section of forgings of crank axles with oval webs My comment: Stores Ordering drawing	- .4.28	1928	M15 Y14	F4 J15	PT	D 078	-
26792	Draw Gear	Full size hook and rubber spring Endorsed: for draw hook, see group standard Dg No 11409-D; for screw coupling, see group standard Dg No 11646-D; for draw bar plate, see Dg No 25903-I; for spring, see Dg No 26767	- .3.27	1927	-	N7	PT	D 046	-
26800	Additional Templates for Engine No 8553	1½" to 1' lead templates apparently corresponding to B17 (sic) outside cylinders	- .3.27	1927	S69	B12	PT	D 053	-
26808	Diagram showing Contour & Location of Cylinders of Proposed New 2-6-4T GE Section	1½" to 1' cross-section through cylinders, etc. My comment: 9'0" over platforms; 8'10" over cylinders	- .3.27	1927	-	-	PT	D 071	-
26817	Improvised Pressure and Vacuum Valve	Full size fully dimensioned sketch My comment: presumably the vacuum brake was applied by falling air brake pressure.	26.3.27	1927	-	-	PT	D 021	-
26818	Arrangement showing Method of Securing Valve Bushings Eng No 8516 (Lentz Gear)	Full size position of set bolts shown My comment: tracing	9.3.27	1927	S69	B12	PT	D 020	-
26818	Arrangement showing Method of Securing Valve Bushings Eng No 8516 (Lentz Gear)	Full size position of set bolts shown My comment: copy tracing	9.3.27	1927	S69	B12	PT	D 020	-



26826	Handrails	1½" to 1' elevation and plan of handrails on back of tender and full size details My comment: for group standard 3500 gallon and 4200 gallon tenders on locomotive classes D49, J38, J39 and K3 Copy of Darlington Dg No 10910-D	- .1.33	1933	-	D49 J38 J39 K3	PT	D 041	-
26846	Standard Steam Hose Coupling	Full size elevations and details Copy of Railway Clearing House plan 201 Endorsed: for gauges see RCH 202; for signed drawing, see Dg No 26947	- .9.26	1926	-	-	PT	D 082	-
26859	Piston (with Rings ¾" Wide) & Piston Rod	Full size details of two rings Endorsed: with various notes added, up to 1951; for piston with narrow (¾") rings, see Dg No 34236	- .4.27	1927	-	N7	PT	D 055	-
26866	Engine 8516-"Lentz" Valves Indicator Diagrams 1-20 pm Stratford – Whitemoor – 50 Empty Wagons	Unscaled six sets of indicator diagrams My comment: MEP, IHP not given	- .3.27	1927	S69	B12	PT	D 079	-
26867	Crank Pins	Full size details for driving and leading/intermediate wheels Copy of part of Gorton Dg No 15116C	- .4.27	1927	-	N7	PT	D 064	-
26878	Arrangement and Details of "Kylala" Petticoat and Blast Pipe Fitted to S69 Class engine (B12)	3" to 1' elevations and section of components My comment: shown in S69 smokebox to Dg No 22350	13.4.27	1927	S69	B12	PT	D 029	-
26880	Proposed Rolled Tyre Section	Full size section of tyre My comment: includes references to Darlington Dg Nos 12016D and No 11824D	- .4.27	1927	-	-	PT	D 054	-
26882	Details of 2 inch Trip Cock for Vacuum Brake	Full size arrangement and details Copy of Doncaster Dg No 772Y <sup>B</sup> (N), dated 10.8.25; copy of Metropolitan Railway Dg No 8982	- .2.28	1928	-	-	PT	D 044	-
26891	Vacuum Application Valve	Full size detailed arrangement My comment: appears to apply vacuum brake from Westinghouse train pipe. Endorsed: see also Dg No Y <sub>B</sub> – 862 <sub>N</sub> (Dg No 34342-E)	- .4.27	1927	-	-	PT	D 043	-
26891 Part	Pressure and Vacuum Valve Body Casting	Full size details of casting	- .4.27	1927	-	-	PT	D 044	-
26893	Front and Hind Guard Bars-Type N7	6" to 1' elevations and plans of left hand bars Copy of Gorton Dg No 15177	-	-	-	N7	PT	D 016	-
26895	Sketch showing Position of Gauge Column Flanges on Y14 Class Boiler	1½" to 1' view on backplate	- .4.27	1927	Y14	J15	PT	D 075	-
26896	Crank Axle	3" to 1' detail drawing of forged crank axle with oval webs Endorsed: only to be used for replacements in existing wheels. (G69 and O18 class with 180 p.s.i. boiler pressure)	- .4.27	1927	M15 G69 O18	F5 F6	PT	D 049	-
26896 Part	Steel Crank Axles	3" to 1' elevations and plan of forgings My comment: Stores Ordering drawing	- .4.27	1927	M15 G69	F5 F6	PT	D 049	-
26900	Six Wheels Coupled Engines Types B12 and J20-Superheater Steel Smoke Tube with Standard Screwed End	Full size details of tube Endorsed: for smoke tubes for B12 5'6" diameter boiler, see Dg No 29733; for smoke tube with standard screwed end, 4¾" diameter, see Dg No 31064	10.10.27	1927	S69 D81	B12 J20	PT	D 013	-
26901	Superheater Steel Smoke Tube with Standard	Full size details of tube end	- .10.27	1927	D56	D15	PT	D	-

	Screwed End	My comment: Stores Ordering drawing						039	
26902	Superheater Steel Smoke Tube with Std. Screwed End	Full size details of tube, 21 per set Endorsed: superseded by Dg No 30732	- .10.27	1927	H88	D16	PT	D 040	-
26903	Six Wheels Coupled Tank Engines Type N7 – Superheater Steel Smoke Tube with Standard Screwed End	Full size details of tube, 12 per set for L77; 18 per set for K89 Endorsed: superseded by Dg No 32491	10.10.27	1927	L77 K89	N7	PT	D 015	-
26904	Superheater Steel Smoke Tube with Standard Screwed End	Full size details of tube, 18 per set My comment: Stores Ordering drawing	- .10.27	1927	T19	D13	PT	D 041	-
26905	Arrangements & Details for Wakefield 4 Feed Mechanical Lubricator	1½” and 6” to 1’ outline arrangement of front end of engine and details of lubricator drive gear and pipe unions. Wakefield No 7, four feed, ½ gallon capacity lubricator, with two feeds to cylinders and two feeds to piston valves Endorsed: for alteration to atomiser pipes when hind steam chest cover and valve spindle guide to 39018 is fitted see attach. Drg No 26905-I 6.1.56; for lubricator steam warming cock, see Dg No 26244-I; for lubricator steam seating, see Dg No 26207-I; for protection tube to oil pipe, see Dg No 23431	- .5.27	1927	-	N7	PT	D 071	-
26905 -I Att	Alterations to Atomiser Pipes when Hind Steam Chest Covers & Valve Spindle Guide to Dg No 39013 is Fitted	1½” to 1’ arrangement and full size details Endorsed: retraced from advance drawing, same number, dated 31.10.55; for engine No 69702 and No 69733	- .1.56	1956	-	N7/3	PT	D 080	-
26906 -I	Sentinel-Cammell Steam Rail Carriage-Arrangement & Details of New Suspension Gear on Rear Bogie	3” to 1’ elevations and plans of components and 6” to 1’ details	- .11.27	1927	-	-	PT	D 001	-
26909	Return Crank fitted to Driving Coupling Rod Pin D81 Class Coal Engines	Full size elevation and plan My comment: carried a ‘worm wheel’	24.5.27	1927	D81	J20	PT	D 010	-
26910	Pipe Clips	Full size details of clips for Gorton-built engines Copy of Gorton Dg No 15236-C, dated 5.8.26, Details A – P	- .2.28	1928	-	N7	PT	D 059	-
26911	0.6.2.Tank Engines N7 Type-Ejector Carrier and Pipe Clips	Full size details of 15 components Copy of Gorton Dg No 15441-C	3.3.27	1927	-	N7	PT	D 010	-
26912	Six Wheels Coupled Tank Engines Type J65-Crank Axle	3” to 1’ elevation and plan of forged type crank axle	23.5.27	1927	E22	J65	PT	D 008	-
26912 Part	Steel Crank Axles	3” to 1’ elevations and section of forgings My comment: Stores Ordering drawing	- .5.27	1927	E22	J65	PT	D 010	-
26913	Express Engines D13 Class fitted with Superheater-Sets of Vacuum Brake Pipes	Unscaled drawing divided into two sheets: Sheet 1 is a schedule listing 27 components and Sheet 2 shows six of them diagrammatically Endorsed: altered 20.1.28	12.5.27	1927	T19	D13	PT	D 008	-
26922	Injector Spindles and Clips	Full size general arrangement of water cock handles and clips	- .5.27	1927	-	N7	PT	D 035	-
26924	Engine No 8516 fitted with ‘Lentz’ Valves	14 unscaled indicator diagrams for a return trip from Liverpool Street to Ipswich	4.5.27	1927	S69	B12	PT	D 021	-
26939	Arrangement of Return Crank and Lentz Gearbox for Trial Purposes-D81 Class Coal Engine	3” and 6” to 1’ elevations and plans of various components and sub assemblies Endorsed: one set to this	- .5.27	1927	D81	J20	PT	D 005	-
26939 Att	Arrangement of Flexible Coupling for Lentz Gear Box fitted for Trial Purposes D81 Class Coal Engine	Full size elevations and section of coupling and components	- .6.27	1927	D81	J20	PT	D 004	-

26942	Cone for Vacuum Ejector	Full size details of cone	- .5.27	1927	-	-	PT	D 039	-
26944 Att	Engines Type K2 fitted for Working Westinghouse Trains-Additional Hand Rail Pillar R.H. Side	Full size shows fitting to take hand rail only	13.6.27	1927	-	K2	PT	D 014	-
26947	Standard Brass Coupling for Steam Heating Hose Pipe	Full size details Copy of Darlington Dg No 12971-D	- .5.27	1927	-	-	PT	D 059	-
26948	Proposed Oil Jet in Steam Pipe Connection, & Cylinder Barrels	Full size details of oil jet	- .5.27	1927	S69	B12	PT	D 042	-
26954	Steel Forgings for Crank Axle Webs (B12 Class-To be in accordance with LNER Specification No 11 Class F	3" to 1' ordering drawing for forgings Endorsed: ; superseded by Dg No 29265, dated - .2.30 My comment: Stores Ordering drawing	2.6.27	1927	S69	B12	PT	D 009	-
26959	0-6-2 Tank Engines Type N7-Carrier for Drivers Brake Valve	Full size details of carrier Copy of Gorton Dg No 15484-C	- .2.28	1928	-	N7	PT	D 016	-
26960	Untitled (Cab Footboards)	1½" to 1' scrap elevations and plans of cab floor and footboards, plus details of wooden parts Copy of Gorton Dg No 15187-C	14.7.26	1926	-	N7	PT	D 035	-
26961	0.6.2 Tank Engines N7 Type-Cab Flooring, Tool Box Tops and Lagging Plate	1½" to 1' details of six components Copy of Gorton Dg No 15493-C	22.4.27	1927	-	N7	PT	D 016	-
26967	Leading Axlebox L77 Class-Alteration to Lubrication & Controlling Gear	Full size elevations and plan showing side control springs and outline of axlebox and lubrication pipes from oilbox Endorsed: for other dimensions, see Dg No 19253; Dg No 32451, dated - .5.35; for axlebox, see Dg No 32291, dated - .5.35; for alteration to elbow, see Dg No 26967 Attachment, dated 21.7.30	- .6.27	1927	L77	N7	PT	D 063	-
26967 Att	Detail for Axlebox Lubrication	Full size details of lubrication	- .4.28	1928	S69 -	B12 N7	PT	D 042	-
26969	Diagram showing Frame, etc., of Proposed 2-6-4T on 5 Chain Curve Opened ¼" Over Gauge	1½" to 1' plan and end view on 4½" super elevation	- .7.27	1927	-	-	PT	D 063	-
27002	Express Engines Class T19-D13-Cylinders	3" to 1' elevations, sections and plans of cylinders Endorsed: for alterations to suit E4 and F3 engines see Attachments to this drawing; altered 9.35	-	1927	T19	D13	PT	D 038	-
27002 Att 1	Engines Class T26 E4-Part Arrangement of Cylinders	3" to 1' sectional elevation, elevation and part plan Endorsed: formerly Dg No 8041; for other portions of cylinders and dimensions see Dg No 27002	12.11.19	1919	T26	E4	PT	D 056	-
27002 Att 2	Four Wheels Coupled Engines T26-E4 Class and Four Wheels Coupled Tank Engines C32-F3 Class-Alteration to Steam Pipe Flange on Cylinders	3" to 1' details of modified flange Endorsed: drawing formerly an attachment to Dg No 8041	12.7.19	1919	T26 C32	E4 F3	PT	D 078	-
27007	A.C.F.I. System of Feed Water Heater on B12 Type Engine-Clack Box Spring	Full size section of clack box showing position of spring	13.7.27	1927	-	B12	PT	D 037	-
27008	ACFI System of Feed Water Heater-Blast Pipe	6" to 1' sectional elevations and plan of blast pipe Endorsed: for engines 8515, 8517 and 8523 only My comment: dimensions in mm. and in. Copy of ACFI drawing	- .7.27	1927	S69	B12	PT	D 037	-
27009	ACFI System of Feedwater Heater-Bolts, Studs etc.	Unscaled list of bolts and studs	- .7.27	1927	S69	B12	PT	D 038	-
27010	ACFI System of Feedwater Heater-Joints	2¼/10" and 6" to 1' details of asbestos and copper and rubber joints	- .7.27	1927	S69	B12	PT	D	-

		My comment: dimensions in mm. Scales given as 1/5 and 1/2 Copy of ACFI drawing						037	
27011	ACFI System of Feed Water Heater-Flanges	Scale 1/2 and 2/5 details of 15 flanges, dimensions in millimetres Endorsed: see Dg No 29537 for future engines 24.10.30	8.7.27	1927	-	B12	PT	D 038	-
27020	ACFI System of Feed Water Heater on B12 Type Engines (Draining Gear)-Wrought Iron Details	Full size elevations of 5 components Endorsed: for other wrought iron and steel details see Dg No 27021	8.7.27	1927	-	B12	PT	D 037	-
27021	ACFI System of Feed Water Heater on B12 Type Engine-Details of Draining Gear	1/5 and full size details of components for cab operated gear	14.7.27	1927	-	B12	PT	D 041	-
27022	ACFI System of Feed Water Heater on B12 Type Engine-Particulars of Pipes and Accessories	Schedule of components	- .7.27	1927	-	B12	PT	D 041	-
27023	ACFI System of Feedwater Heater-Drainage Trough	6" to 1' details	- .7.27	1927	S69	B12	PT	D 041	-
27024	ACFI System of Feed Water Heater on B12 Type Engine-Seatings (for Pump)	Full size sections and plan of cast iron seating	7.7.27	1927	-	B12	PT	D 041	-
27026	ACFI System of Feed Water Heater on B12 Type Engines-Pump Support	1 to 5 arrangement of support on part elevation and plan of engine and full size details of components Endorsed: altered 4.10.30 and 6.34	- .7.27	1927	-	B12	PT	D 041	-
27036	ACFI System of Feedwater Heater-Arrangement of Suction Reservoir	2 1/10" to 1' details of reservoir for pump supply and return mounted on left hand side behind cab step My comment: Scale given as 1/5	- .7.27	1927	S69	B12	PT	D 041	-
27038	Armstrong Oiler for Radial Axlebox-8"x 14" Journal	Full size details of oiler Copy of Gorton Dg No 15097-C	- .2.28	1928	-	A5 C13 C14 N7	PT	D 056	-
27041	Felt Oiling Strips fitted to Coupling Rod Bushes	Full size simple drawing showing two felt strips per bush	- .7.27	1927	-	-	PT	D 080	-
27079	Additional Balance Weights for Driving Wheels of 2-4-0 Mixed Traffic Engines Type E4 (T26) fitted with Built Up Crank Axles	3" to 1' elevations of driving wheel My comment: shows wheel for left-hand crank leading	- .7.27	1927	T26	E4	PT	D 023	-
27080	Crank Axle of Engine No 8522 showing Flaws at A, B and C, D	3" to 1' (?) elevation and section of crank axle with circular webs	22.7.27	1927	S69	B12	PT	D 025	-
27145	Delivery Valve Caps for No 9 Davies & Metcalf Hot Water Injector	Full size general arrangement of injector	- .8.27	1927	L77	N7	PT	D 035	-
27153	Proposed Alteration to Positions of Reversing Gear Bracket & Detroit Lubricator	1 1/2" and 6" to 1' details of alteration for left-hand drive engines with cab to Dg No 26569 My comment: reverser moved back by 4 1/2"; lubricator moved forward by 7"	- .8.27	1927	-	N7	PT	D 053	-
27153 -1	Proposed Alteration to Vacuum Ejector Carrier	1 1/2" to 1' part outline of cab, for left-hand drive engines with cab to Dg No 26569 My comment: vacuum ejector moved forward by 4"	- .8.27	1927	-	N7	PT	D 046	-
27155	(Crank Axle)	3" to 1' outline drawing of crank axle with forged oval webs Endorsed: This axle to be used for replacements only in existing wheels; this drawing supersedes Dg No 25643	- .9.27	1927	Y14	J15	PT	D 078	-
27155	Steel Crank Axles	3" to 1' elevations and section of forgings of steel crank axles with	30.8.27	1927	Y14	J15	PT	D	-

Part		oval webs Endorsed: superseded by Dg No 26791-I My comment: Stores Ordering drawing						079	
27159	Steel Expansion Bracket Angle	Full size details of rolled section boiler expansion brackets	- .9.27	1927	-	-	PT	D 064	-
27166	Engines Class E4-Crank Axle	3" to 1' elevations of axle My comment: stores ordering drawing	26.9.27	1927	-	E4	PT	D 023	-
27166	Crank Axle	3" to 1' details of forged crank axle with oval webs, right-hand crank to lead	- .9.27	1927	T26	E4	PT	D 052	-
27167	Steel Crank Axles	3" to 1' elevations and section of axles for engines with left-hand crank leading Endorsed: see alternative drawing, with the same number My comment: Stores Ordering drawing	26.9.27	1927	T26	E4	PT	D 023	-
27167	Crank Axle	3" to 1' arrangement of crank axle for engines with left-hand crank leading My comment: also see stores tracing with the same number	- .10.27	1927	T26	E4	PT	D 023	-
27172	Crank Axle	3" to 1' elevations and section of forgings of crank axle with oval web Endorsed: old pattern, only to be used for replacements in existing wheels with collars on wheel seats; for future, see Dg No 27172 Part My comment: Stores Ordering drawing	- .9.27	1927	E72 T77	J18 J19	PT	D 011	-
27172 Part	Steel Crank Axle	3" to 1' elevations and section of forgings of crank axles with oval web My comment: Stores Ordering drawing	- .9.27	1927	E72 T77	J18 J19	PT	D 011	-
27176	Spark Arrestor for Sentinel Shunting Engine	6" to 1' sectional side and plan view	- .9.27	1927	-	Y1	PT	D 001	-
27178	J69 Class Engines for Southern Scottish Area-Arrangement of Combination Ejector Pipes and Alteration to Reversing Gear and Position of Drivers Westinghouse Brake Valve LM403	1½" to 1' elevations and plan of arrangement and 3" to 1' details of brackets Endorsed: see also Dg No 18052 for arrangement of reversing lever and sector and alteration to bunker	20.10.27	1927	-	J69	PT	D 013	-
27347	Drivers Footstep on RH Side of Cab for J20 Class Engines	3" to 1' elevation and plan of foot step and full size details of fittings Endorsed: 2 engines to be fitted for trial; altered 14.4.31 for future foot steps see Attachment to Dg No 32303 12.34;	2.11.27	1927	-	J20	PT	D 014	-
27358	4-6-0 Express Engine No 8511 Fitted with 'Lentz' Valve Gear-Alteration to Cam Space Cover	Full size sectional elevations of cover Endorsed: see attachment for phosphor bronze bush for inner bearing of cam shafts; for alteration to cams space vent pipe ass No 2 Attachment	- .10.27	1927	-	B12	PT	D 008	-
27358 Att	4-6-0 Express Engine No 8511 Fitted with 'Lentz' Valve Gear-Phosphor Bronze Bush for Inner Bearing of Cam Shafts	Full size section of inner bearing	- .10.27	1927	-	B12	PT	D 057	-
27358 Att 2	4-6-0 Express Engine No 8511 Fitted with 'Lentz' Valve Gear-Alteration to Cam Space Pipe	Full size part section of cover and details of pipe	- .4.29	1929	-	B12	PT	D 008	-
27364	Tank Engines Type N7 Built by Messrs. Beardmore-Alteration to Vacuum Ejector Carrier and Detroit	1½" to 1' arrangement inside cab and 6" to 1' details of carriers	2.11.27	1927	-	N7	PT	D 016	-

	Lubricator Carrier								
27365	Four Wheels Coupled Express Engines Type D15-Coupling Rod and Crank Pin	Full size elevation and plan of coupling rod and elevation of crank pin with details of cover and nipple Endorsed: several alterations to 11.54	12.11.27	1927	-	D15	PT	D 008	-
27369	Class (C <sub>D</sub> ) Steel Tyres	Full size section through tyre and table of dimensions for diameters for all GERy classes Endorsed: class 'D' all classes except D13, D14, D15, D16 and B12. Coupled wheels-Class 'C'	- .11.27	1927	-	-	PT	D 055	-
27369 -I	Steel Tyres	Full size sections for wheel centres 2'6 <sup>3</sup> / <sub>4</sub> " diameter, tyres approximately 3'0" outside diameter; for wheel centres 6'5 <sup>5</sup> / <sub>8</sub> " diameter, tyres approximately 7'0" outside diameter	- .7.28	1928	-	-	PT	D 043	-
27373	4-6-0 Express Engines Class 1500-Valve Box Details	Full size elevations, sections and plan of 4 components Copy of Lentz Patents Dg No SV234	28.1.28	1928	-	B12	PT	D 038	-
27374	4-6-0 Engines Class 1500-Valve Box Details	Full size elevations and sections of components Copy of Lentz Patent Dg No SV236	29.11.27	1927	-	B12	PT	D 038	-
27374 Part	4-6-0 Engines Class 1500 Fitted with Lentz Valve-Copper Joint Rings	Full size elevation and section My comment: on same sheet as Dg No 27375 Part	- .4.28	1928	-	B12	PT	D 037	-
27375	4-6-0 Engines Class 1500 Fitted with Lentz Valve-Outside Covers	Full size elevation and section of valve covers Copy of Lentz Patents Ltd Dg No SV235	29.11.27	1927	-	B12	PT	D 038	-
27375 Part	4-6-0 Engines Class 1500 Fitted with Lentz Valve-Outside Covers Copper Joint Rings	Full size elevation and section of valve covers My comment: on same sheet as Dg No 27374 Part	- .4.28	1928	-	B12	PT	D 037	-
27376	Valve Box Details 4-6-0 Engines Class 1500	Full size elevations, sections and plans of 9 components Copy of Lentz Patents Ltd Dg No SV233	2.12.27	1927	-	B12	PT	D 037	-
27377	4-6-0 Express Engines Class D15-Valve Box Details for Engines Fitted with Lentz Valves	Full size details of 21 components with schedule of parts Copy of Lentz Patent Ltd Dg No SV232	27.1.30	1930	-	B12	PT	D 038	-
27382	4-6-0 Express Engines Class 1500 Type B12-Valve Box Details	Full size elevations and plans of 20 components Copy of Lentz Patents Ltd Dg No SV237	7.1.28	1928	-	B12	PT	D 061	-
27405	Arrangement and Details of Steam Heting Pipes to Leading End of GN Engines, K2 Type	1½" to 1' elevation and plan of frames showing piping and 3" to 1' details of components	- .12.27	1927	-	K2	PT	D 034	-
27408	Four Wheels Coupled Shunting Tank Engines Class B74 Type Y4-Coupling Rod	Full size elevation and plan of rod 6' centres Endorsed: altered 8.33 Endorsed: this drawing supersedes Dg No 18521	17.12.27	1927	B74	Y4	PT	D 006	-
27409	N7 Class Walschaerts Valve Gear-Readings taken at Doncaster 16-18.11.27 from Engine No 2607	Unscaled; angle of advance of eccentric altered, on 16.11.27 to 104¼°; on 18.11.27 to 103¼°; for tabulated comparison with GE readings, see Dg No 27413 Copy of Doncaster Dg Nos 27-105N and 27-106N	- .12.27	1927	-	N7	PT	D 076	-
27413	N7 Class Walschaerts Valve Gear (Readings)	Unscaled readings from GE model motion with lap 1¾"; lead 1/8"; eccentric throw 4½"; angle of advance 104¼°; and readings from engine no 2607 at Doncaster My comment: it appears that the second set of readings from no. 2607 at Doncaster are with an angle of advance of 103¼°	- .12.27	1927	-	N7	PT	D 064	-
27414	Sketch showing Available Area of Oil Passage through Cam Shaft if Cams and Thrust Collar are Secured to Cam Shaft by means of Normal ¼" Dia. Split Taper Pins	Full size drawing of cam on camshaft My comment: for engines with Lentz valve gear	- .12.27	1927	S69	B12	PT	D 057	-

27424	Combination Steam Brake Valve and Details Modified to give Direct Exhaust to Atmosphere at A	Full size details of numerous components Endorsed: altered 2.11.32	18.1.28	1928	-	-	PT	D 072	-
27426 Part	Steel Deflector Plate for Oval Firehole	3" to 1' elevation of flat plate profile before pressing	- .5.39	1939	-	-	PT	D 043	-
27426 -I	Steel Deflector Plate for 11" x 1'4½" Firehole	3" to 1' elevation of plate	30.5.28	1928	S69	B12	PT	D 013	-
27427	Six Wheels Coupled Express Engines B12 Type-Sketch showing Dimensions required by Makers of 'Flaman' Speed Recorder	1½" to 1' side elevation of cab side and outline of recorder	- .12.27	1927	S69	B12	PT	D 009	-
27438	Drip Valve for Steam Brake Cylinder	Full size details of valve	- .2.28	1928	-	-	PT	D 042	-
27441	Four Wheels Coupled Express Engines Type D15 (D56 Class)-Steam Pipe Joints with Lenticular Shaped Rings	3" to 1' and full size details of joints Endorsed: superseded by Dg No 27647, dated 29.5.28; for header, see Dg No 19158; for tee-piece, see Dg No 17538	9.1.28	1928	D56	D15	PT	D 013	-
27447	Steel Forgings for Crank Axle Webs-Classes J16 & J17 – to be in Accordance with LNER Spec <sup>fn</sup> No 11 Class F	3" to 1' elevations and plans of two types of forging Endorsed: superseded by Dg No 28881 My comment: Stores Ordering drawing	12.1.28	1928	F48 G58	J16 J17	PT	D 014	-
27583	Indicator Diagrams taken Incidentally during Trial Trip of 4-6-0 Express Engine No 8516 fitted with Lentz Valves Running Light, between Stratford and Broxbourne	Unscaled-eight diagrams taken on 9.1.28	- .1.28	1928	S69	B12	PT	D 067	-
27585	4-6-0 Engine No 8516 fitted with 'Lentz' Valves Diagrams showing Maximum Angular Travel of Outside Rocking Levers	Unscaled diagrams	- .1.28	1928	S69	B12	PT	D 067	-
27586	Diagram showing (cross-hatched) Obstruction to Flow of Gases at the Lower Part of Flue Tubes by Elements offered by Superheater Co.	Full size cross-section through superheater flue with elements	- .1.28	1928	-	-	PT	D 067	-
27587	4-6-0 Engines Type B12-Tender Axles	3" to 1' elevation of axle My comment: Stores Ordering tracing	2.4.28	1928	-	B12	PT	D 023	-
27587 -I	4-6-0 Engines Type B12-Tender Axles	3" to 1' elevation of axle My comment: Stores Ordering tracing	18.1.28	1928	-	B12	PT	D 022	-
27602	(Hammer Blow Diagram)	½" to 1' untitled wheelbase diagram and dimensions; blank form master to be filled in on print with details taken from engine	- .3.27	1927	M15 G69	F5 F6	PT	D 072	-
27603	Adaptor for Testing Crosby Indicators	Full size section, elevation and plan of adaptor	- .1.28	1928	-	-	PT	D 008	-
27604	0-6-0 Tank Engines R24 Class-J69 Type for Southern Scottish Area-Alteration Showing Position of Vacuum Ejector and Drivers Brake Valve for Engines Fitted with Lever Reversing Gear	1½" arrangement of gear shown in cab and 3" to 1' details of components Endorsed: drawing embodies Dg No 27178 and 24027Att 5; see Dg No 18052 for arrangement of reversing lever and sector and alterations to bunker	25.1.28	1928	R24	J69	PT	D 009	-
27610	Side Oilbox for Radial Truck Axlebox-Type N7-Built by Beardmore's	Full size arrangement	7.2.28	1928	-	N7	PT	D 009	-
27611	Tank Engines Type F3 (Class C32)-Sets of Vacuum Brake Pipes	Schedule divided into 2 sheets, No 1 listing 18 components and No 2 showing 3 diagrammatically	10.2.28	1928	C32	F3	PT	D 009	-
27617	Boilers for B12 Type Engines-Arrangement of Tube	3" to 1' elevations of front and rear tubeplates	- .2.28	1928	-	B12	PT	D	-

	Spacing							008	
27619	Arrangement of 'Ashcroft' Cut-Off Control Gauge	1" to 1' part side and end elevation of engine showing piping and connections and 3" to 1' details of fittings	- .2.28	1928	-	B12	PT	D 008	-
27623	7/8" Westinghouse Steam Cock Type D16	Full size elevations and section of cock	- .2.28	1928	-	D16	PT	-	
27624	4-6-0 Engines Type B12-Arrangement of Pipes for Straight Air Application Valve and Alteration to Westinghouse and Vacuum Brake Pipe to Suit	3" to 1' arrangement shown in relation to engine and 6" to 1' and full size details of components Endorsed: altered 1.5.28	- .2.28	1928	-	B12	PT	D 010	-
27637 Part	4-6-0 Engines Type B12 Fitted with Lentz Valve Gear Cast Steel Motion Plate	3" to 1' elevations, section and plan of plate My comment: stores ordering drawing	20.2.28	1928	-	B12	PT	D 013	-
27639	Arrangement of 'Ashcroft' Cut-off Control Gauge	1" to 1' and full size side elevation of engine showing arrangement of gauge Endorsed: for ¾" steam valves and reducing unions, see Dg No 27668	9.3.28	1928	D56	D15	PT	D 009	-
27642 Sheets 1-4	Tank Engines Type F5-Sets of Vacuum Brake Pipes	Unscaled. 2¾" bore vacuum exhaust and 2" bore vacuum pipes	- .2.28	1928	M15	F5	PT	D 065	-
27643 Sheets 1-4	Sets of Vacuum Brake Pipes	Unscaled-four sheets on one drawing with list of fittings and sketches of pipes	- .2.28	1928	G69	F6	PT	D 050	-
27645	New 4.6.0 Engines Type B12 fitted with Lentz Valve Gear-Motion Plate Bracket and Bush	Full size elevation, section and plan of component Endorsed; for engines with Lentz valve gear	22.3.28	1928	S69	B12	PT	D 009	-
27645 Part	Cast Steel Brackets for Motion Plate	Full size elevations and section of bracket castings Endorsed: to be fitted to new 4.6.0 engines fitted with Lentz valve gear My comment: Stores Ordering drawing	24.2.28	1928	S69	B12	PT	D 009	-
27647	Four Wheels Coupled Express Engines Type D15 (D56 Class)-Steam Pipe Joints with Lentular Shaped Rings	3" to 1' elevations of steam pipes and full size sections of joints Endorsed: altered 23.10.28	- .2.28	1928	D56	D15	PT	D 009	-
27654	4.6.0 Engines Type B12-Bogie Wheel	3" to 1' elevation and sectional view of wheel, 2'9" diameter and 3'3" diameter on tread and full size section	8.3.28	1928	S69	B12	PT	D 029	-
27654 Part	Cast Steel Bogie Wheel	3" to 1' elevation and sectional view of wheel for castings of 2'9" diameter and full size section My comment: Stores Ordering drawing	13.3.28	1928	S69	B12	PT	D 029	-
27656	4.6.0 Engines Type B12 fitted with Lentz Valves-Steel Steam Pipes and Flanges	3" to 1' and full size elevations and section of components	19.4.28	1928	S69	B12	PT	D 029	-
27656 Part	Steel Steam Pipes for Robinson Superheater	3" to 1' elevations and section of pipes Endorsed: New 4-6-0 Engines Type B12 with Lentz Valve Gear dated 27.2.28	- .2.28	1928	-	B12/2	PT	D 039	-
27657	Boilers for B12 Type Engines-Arrangement of Copper Stays-Back Plate of Firebox	3" to 1' arrangement of stays	26.3.28	1928	S69	B12	PT	D 029	-
27659	4.6.0 Engines and Tenders Type B12-Tender Wheel	3" to 1' elevation and section of wheel with ten spokes, casting, 3'6" diameter; 4'1" diameter on tread and full size section Endorsed: for T69 tender	8.3.28	1928	S69	B12	PT	D 029	-
27659 Part	Cast Steel Tender Wheels	3" to 1' elevation and section of wheel and full size section Endorsed: for new 4-6-0 engines type B12	- .3.28	1928	S69	B12	PT	D 045	-



27660 Part	4-6-0 Engines B12-Nos 8571 to 8580-Cast Steel Trailing Hornblock	6" to 1' elevation, section and plan of hornblock My comment: stores ordering drawing	- .11.29	1929	-	B12	PT	D 039	-
27660	4-6-0 Engines B12-Nos 8571 to 8580-Trailing Hornblock, Horn Stay and Wedge	6" to 1' elevations, sections and plans of components Endorsed: altered 22.11.34 for hornblock lubrication	27.4.28	1928	-	B12	PT	D 029	-
27661 Part	Cast Steel Driving Wheels	3" to 1' elevation and section and full size section of castings Endorsed: New engines Type B12 My comment: Stores Ordering drawing	- .3.28	1928	S69	B12	PT	D 073	-
27662 Part	4-6-0 Engines Type B12-Cast Steel Intermediate Wheel	3" to 1' elevation and section of 20 spoke cast steel wheel 6'6" diameter on tread and full size section of tyre for new 4-6-0 type B12 engines 2.3.28 My comment: stores ordering drawing	- .3.28	1928	-	B12	PT	D 069	-
27662	4-6-0 Engines Type B12-Intermediate Wheel	3" to 1' elevation and section of 20 spoke cast steel wheel 6'6" diameter on tread and full size section of tyre	15.3.28	1928	-	B12	PT	D 073	-
27663	Trailing Wheel	3" to 1' elevation and section of wheel, complete with tyre; for engines without side play in the trailing axleboxes and full size section Endorsed: signed 'H N Gresley 23.3.1928' My comment: probably prepared for Beyer Peacock-built engines	- .3.28	1928	S69	B12	PT	D 073	-
27663 Part	Cast Steel Trailing Wheels	3" to 1' elevation and section of castings for wheels Endorsed: trailing wheels for new 4-6-0 type engines without side play in trailing axleboxes My comment: Stores Ordering drawing	- .3.28	1928	S69	B12	PT	D 069	-
27666	Helical Spring for Bogie Slide Control	Full size drawing of seven coil spring for bogies with 2 <sup>5</sup> / <sub>8</sub> " side play	- .3.28	1928	S69	B12	PT	D 066	-
27667	Specimen Sheet showing What is Meant by "Complete Lists of All Materials Used", P.7 of Specification	Unscaled specimen sheet of itemised sketches of components My comment: is this for N7?	- .3.28	1928	-	-	PT	D 043	-
27668	Details for Ashcroft Locomotive Cut-Off Control Gauge B12 and D15 Class Engines	Full size details of 6 components with schedule Endorsed: see Dg Nos 27619 and 27638 for general arrangements	- .3.28	1928	-	B12 D15	PT	D 069	-
27670	0-6-0 Engines Types J19-2, J20 and 4-6-0 Type B12-Slide Bars	3" to 1' and full size elevations and plan of slide bars Endorsed: altered 2.9.40 27.5.41; this supersedes Dg No 17246; for alteration to front end fastening see Dg No 35408 11.9.44	22.3.28	1928	-	J19-2 J20 B12	PT	D 090	-
27672	Suggested Additional Washout Plugs, Boiler for Engines J15, E4, G4, F3	1 1/2" to 1' view on backplate showing two additional plugs	- .3.28	1928	T26 C32 S44 Y14	E4 F3 G4 J15	PT	D 075	-
27674	4-6-0 Engines Type B12-Cast Iron Base for Three Inch Ross Pop Safety Valve	Full size elevation, section and plan of base	- .3.28	1928	-	B12	PT	D 041	-
27676	4-6-0 Engines Type B12, J20-Chimney and Hood	6" to 1' sectional elevations and plan of arrangement in relation to smokebox	24.4.28	1928	-	B12 J20	PT	D 087	-
27680	4.6.0 Engines Type B12-Cast Steel Bogie Centre and Slide	3" to 1' elevation, section and plan of centre and slide Endorsed: for new engines type B12 with 2 <sup>5</sup> / <sub>8</sub> " side play in bogie	21.3.28	1928	S69	B12	PT	D 024	-
27680 -1	4.6.0 Engines Type B12-Cast Steel Engine Bogie Slide	3" to 1' ordering drawing for castings My comment: for new engines type B12 with 2 <sup>5</sup> / <sub>8</sub> " side play in bogie	21.3.28	1928	S69	B12	PT	D 024	-

		My comment: Stores Ordering drawing							
27682	Firehole Door	3" to 1' and full size elevation and section of oval type firehole door	- .3.28	1928	S69	B12	PT	D 041	-
27683	Longitudinal Stay Tube & Flanges	3" to 1' and full size details of components My comment: possibly for vacuum exhaust across corner of Belpaire firebox	- .4.28	1928	S69	B12	PT	D 041	-
27690	Back Cylinder Cover	Full size elevation and section of cover Endorsed: for cast iron packing, see Dg No 25047; for alteration to cover and fastening of front end of slide bars, see Dg No 35048, dated 11.9.44	- .3.28	1928	S69	B12	PT	D 043	-
27691	4.6.0 Engines Type B12-Tool Boxes for Tenders	6" to 1' and full size box and fittings shown, and method of construction Endorsed: for T69 tender	2.4.28	1928	S69	B12	PT	D 029	-
27700	4-6-0 Engines Type B12-Bogie Arrangement	3" to 1' sectional elevations and plan of bogie Endorsed: modified 18.7.34 and -.5.39; for details, see Dg No 17244	3.4.28	1928	S69	B12	PT	D 090	-
27704	4.6.0 Engines Type B12-Westinghouse Steam Cock and Seating	Full size details of cock and seating made of gunmetal	2.4.28	1928	S69	B12	PT	D 029	-
27710	Firedoor Screen & Flame Plate	3" to 1' elevation and section and full size details of screen in front of firedoor Endorsed: for boiler, see Dg No 27673; for firehole door, see Dg No 27682	- .7.28	1928	S69	B12	PT	D 040	-
27710	Firedoor Screen & Flame Plate	3" to 1' and full size arrangement and details of screen in front of firedoor My comment: for boiler, see Dg No 27673; for firehole door, see Dg No 27682	- .7.28	1928	S69	B12	PT	D 038	-
27713	4-6-0 Engines Type B12-Draw-Bar Spring	Full size details of spring Copy of Spencer-Moulton & Co Dg No 2155	2.4.28	1928	S69	B12	PT	D 089	-
27715	4-6-0 Engines Type B12-Details of Bogie Slide Control Gear	6" to 1' details of four components	- .5.28	1928	S69	B12	PT	D 089	-
27716	4.6.0 Express Engines Type B12-Blast Pipe	6" to 1' sections and plan of blast pipe	18.4.28	1928	S69	B12	PT	D 029	-
27717	Tender Draw Gear	6" to 1' elevation and plan of group standard drawhook Endorsed: for spring (rubber), see Dg No 27713; for draw hook, see Dg No 26000; for screw coupling, see Dg No 26008; for draw bar plate, see Dg No 25903 Att; for group standard buffer, see Dg No 26002; for engine drawgear, see Dg No 27724	- .3.28	1928	S69	B12	PT	D 039	-
27720	Arrangement of Pipes for Straight Air Brake Application Valve and Double Check Valve with Alteration to Westinghouse and Vacuum Brake Pipes to Suit	1½" to 1' arrangement on part outline of engine and tender and 3" to 1' and full size details	- .4.28	1928	-	D13	PT	D 029	-
27720 Att	Arrangement of Pipes and Position of Double Check Valve for Tenders Classes H14 & Y17	1½" to 1' elevation and plan of arrangement and 3" to 1' details two pipe clips	- .11.28	1928	H14 Y17	-	PT	D 045	-
27724	4.6.0 Engines Type B12-Engine Draw Gear	Full size elevation and plan of drawhook and spring only Endorsed: for tender drawgear, see Dg No 27717; for rubber springs, see Dg no 27713; for group standard drawhook, see Dg no	4.4.28	1928	S69	B12	PT	D 029	-

		26000; for group standard screw coupling, see Dg No 26008; for draw bar plate, see Dg No 25903 Att; for group standard buffer, see Dg No 26002							
27737 Part	Steel Crank Axles	3" to 1' elevations and plan of forgings of crank axle with oval webs My comment: Stores Ordering drawing	- .5.28	1928	F48	J16	PT	D 040	-
27741	4-4-0 Engines Types D15 & D16 Classes, D56 and H88-Arrangement of Pipes for Straight Air Brake Application Valve and Double Check Valve with Alteration of Westinghouse and Vacuum Brake Pipes to Suit	1½" to 1' arrangement on outline part elevations and plan of engine and 3" to 1' and full size details of components Endorsed: altered 19.11.34	- .4.28	1928	D56 H58	D15 D16	PT	D 029	-
27743	4.6.0 Engines Type B12-Regulator Steam Pipe	3" to 1' and full size details of copper pipe, 7'4 <sup>15</sup> / <sub>16</sub> " long	26.4.28	1928	S69	B12	PT	D 029	-
27745	4.6.0 Engines Type B12-Blower Socket and Gear	Full size arrangement of gear and fittings Endorsed: for blower (?), see Dg No 16230-I	- .4.28	1928	S69	B12	PT	D 029	-
27747	4.6.0 Engines Type B12-Frame and Boiler Stay	3" to 1' end on view of boiler and stay and full size details Endorsed: for frame, see Dg No 27671; for boiler, see Dg No 27673; for brackets, see Dg No 17281	26.4.28	1928	S69	B12	PT	D 029	-
27748	4.6.0 Engines Type B12-Flanged Plates for Framing	3" to 1' details of six plates and brackets for footplating, buffer beam, etc.	26.4.28	1928	S69	B12	PT	D 029	-
27750 Part	Engs. Type B12, B12/3-Sketch Showing Proposed Alteration to Vacuum Train Pipe Joints	1½" to 1' elevations and plan of area below trailing footstep	- .8.46	1946	-	B12 B12/3	PT	D 029	-
27754 Att	Engines with Lentz Valves: Alteration to Lubrication Arrt showing Addition of Anti-Carboniser to Valve Spindle & Cylinder Feeds	1½" to 1' and full size scrap elevation and plan of frame by cylinder showing arrangement of pipes, and drawing of vent-hole nipple and union for cam space cover Endorsed: for engines with Lentz valve gear	- .1.29	1929	-	B12/2	PT	D 032	-
27755	Driving Axlebox	6" to 1' sectional elevations and plan of axlebox Endorsed: amended 5.42; for axlebox cover see Dg No 27784	- .5.28	1928	S69	B12	PT	D 032	-
27756	Intermediate Axlebox	6" to 1' sectional elevations and plan of axlebox Endorsed: for axlebox cover, cross-refer to Dg No 27784. My comment: drawing probably prepared for B12/2 engines built by LNERy in 1928	- .5.28	1928	S69	B12	PT	D 022	-
27758	Trailing Axlebox	6" to 1' sectional elevations and plan of axlebox Endorsed: reference deleted, see Dg No 30475; box for lubrication of axlebox journal and covers 11.34; for axlebox cover see Dg No 27784; for B12/2 engines Nos. 8571-8580	- .5.28	1928	-	B12/2	PT	D 032	-
27759	Arrangement of Pipes and Regulator in Boiler	1½" to 1' sectioned side elevation of boiler Endorsed: injector pipe in dome altered 1.6.28; for details of pipe clips and unions, see Dg No 27760; for boiler, see Dg No 27673; for steam pipe, see Dg No 27743 for engines with boiler to diagram 99	- .4.28	1928	S69	B12	PT	D 034	-
27763	Detail of Bevel Wheels, Screw and Bracket	6" to 1' general arrangement of water scoop operating wheel and screw and full size details Endorsed: for 3670 gallon tenders attached to B12/2 engines built by Beyer Peacock, 1928	- .5.28	1928	-	B12/2	PT	D 022	-
27763	Proposed Alteration to Hand Brake and Water Pick-	Full size elevations of shaft	- .6.29	1929	-	B17	PT	D	-

-I	up Gear Nuts on Tender							022	
27764	Cast and Mild Steel Details for Water Scoop	6" to 1' and full size details of components Endorsed: for arrangement of water pick-up gear on right-hand side see Dg No 27762; for B12/2 engines built, for LNERy, by Beyer Peacock	- .6.28	1928	-	B12/2	PT	D 022	-
27765	Condenser Valve Spindle Gland Nut & Distance Piece	Full size details of components	- .5.28	1928	-	N7	PT	D 052	-
27772 Ren	Sketch Showing Alterations to Facings and Holes on Reservoir Footplate	Unscaled sketch for footplating for engines type B12 My comment: paper tracing stuck to thicker paper	- .4.28	1928	-	B12	P	D 045	-
27772	Sketch showing Alterations to Facings and Holes on Reservoir Footplate	3" to 1' part plan on underside of reservoir Endorsed: true to scale tracing of original pencil tracing	- .4.28	1928	S69	B12	PT	D 064	-
27773	Rod, Pipe and Clothing, Injector Gear, Steam Heating and Sanding Gear Details	3" and 6" to 1' and full size details of components Endorsed: for pressure gauge lampholder, see Dg No 6041; for feed cock, see Dg No 9639	- .7.28	1928	S69	B12	PT	D 031	-
27774	Steel Forgings for Crank Axle Webs	3" to 1' elevation and plan of forging Endorsed: superseded by Dg No 28880 15.5.29 My comment: Stores Ordering drawing	- .5.28	1928	D81	J20	PT	D 022	-
27775	Air Sanding Valve and Arrangement in Cab	1½" to 1' arrangement of valve, and scrap view of boiler backplate showing fitting and full size details Endorsed: for Westinghouse brake cock see Dg No 23327 Part; for B12/2 engines built, for LNERy, by Beyer Peacock	- .5.28	1928	-	B12/2	PT	D 022	-
27779	Modification of Tank Front	1½" to 1' scrap elevations and plan of tank front Endorsed: for tender attached to B12/2 locomotives	- .5.28	1928	-	B12/2	PT	D 031	-
27781	Type B12-Lubrication Details for Cylinders and Axleboxes	3" and 6" to 1' and full size details of brackets, rods, pipes, taps and nipples Endorsed: for revised details, see Dg No 18203	12.7.28	1928	S69	B12	PT	D 026	-
27781 Part	4.6.0 Engines Type B12-Bracket for Piston Rod Oil Cup	6" to 1' elevation, section and plan of bracket My comment: made from ¼" plate	18.6.28	1928	S69	B12	PT	D 026	-
27782	4.6.0 Express Engines Type B12-Brake Details	3" and 6" to 1' details of pull rods, brackets, brake blocks, cylinder bracket, etc. Endorsed: altered to red 27.8.31 and 13.7.33; for revised details, see Dg No 31326	22.5.28	1928	S69	B12	PT	D 026	-
27783	Details Of Pipe Connections, Clips etc. for W.H. and Vacuum Brake-(8"8½" Pump, No. 4 Drivers Valve, 3½" Triple Valve Straight Air Application Valve)	3" and 6" to 1' and full size details of components	- .6.28	1928	S69	B12	PT	D 064	-
27784	4.6.0 Engines Type B12-Axlebox Cover Plates	6" to 1' details of two cover plates, made of ⅛" plate for driving & intermediate/trailing axleboxes	26.5.28	1928	S69	B12	PT	D 026	-
27788	Tenders Type B12-Hand Brake Screw and Bracket	Full size elevations and plan of assembly for Beyer Peacock tenders	- .5.28	1928	-	B12	PT	D 026	-
27789	4.6.0 Engines Type B12-Arrangement of Brick Arch in Boiler	¾" to 1' sectional elevation and end elevation of boiler showing brick arch	11.5.28	1928	S69	B12	PT	D 026	-
27792	Brass Nipple for Steam Heating Hose Pipe	Full size details of nipple	- .5.28	1928	-	-	PT	D 064	-
27799	4-6-0 Engine Type B12-Firebricks	6" to 1' details of firebricks for brick arch	- .5.28	1928	S69	B12	PT	D	-

		Endorsed: for arrangement of arch, see Dg No 27789						064	
27801	Tenders Type B12-Detail of Adjustable Water Scoop	6" to 1' details of scoop Endorsed: for North British Locomotive Co. tenders, see Dg No 27843	- .6.28	1928	S69	B12	PT	D 009	-
27802	Tenders Type B12-Arrangement of Brake Gear	1½" to 1' arrangement shown on outline elevations and plan of tender Endorsed: for Beyer Peacock tenders	- .6.28	1928	S69	B12	PT	D 090	-
27807	Eccentric Rods and Straps	Full size details and arrangement of components	23.5.28	1928	S69	B12	PT	D 084	-
27838	4-6-0 Engines Type B12-Asbestos Clothing	1½" to 1' details of 13 mats	25.5.28	1928	S69	B12	PT	D 089	-
27839	Tender Brake Details-Type B12	3" to 1' details of components for North British Locomotive Co. engines Endorsed: amended 13.7.33 and 17.9.48	27.3.28	1928	S69	B12	PT	D 089	-
27840	Detail of Adjustable Water Scoop	6" to 1' details of cast iron scoop with adjustable mild steel bottom for tenders attached to B12 engine	- .6.28	1928	S69	B12	PT	D 047	-
27844	Diagram showing Clearance between Full Flange Engine Tyre and Rail and Distance between Tyre Flanges	Full size diagram for 1¾" flangeway Copy of Darlington Dg No 12016D 20.10.26	- .6.28	1928	-	-	PT	D 074	-
27847	Tenders Type B12-Details for Water Scoop-Cast and Mild Steel	6" to 1' details of components My comment: for tenders built by North British Locomotive Co., see Dg No 27843 Copy of North British Locomotive Co. drawing	28.6.28	1928	-	B12	PT	D 009	-
27849	Check Valve & Oil Test Plug-Wakefield Mechanical Lubricator	Full size details of valve and plug Copy of part of Wakefield Dg No M257	- .6.28	1928	-	-	PT	D 055	-
27865	Flanges for Injector Pipes	Full size details of ten flanges and pad for water pipe drain cock Endorsed: for delivery pipe flanges see Dg No 10963; for water inlet for fight hand injector see Dg No 22382	- .6.28	1928	-	B12	PT	D 005	-
27871	Valve Connecting Rod & Oil Boxes for Lentz Valve Gear	6" to 1' details of components Endorsed: for engines with Lentz valve gear My note: water damaged	- .6.28	1928	-	B12	PT	D 042	-
27897	Six Wheels Coupled Express Engines Type B12-Footerboard	1½" and 3" to 1' arrangement of cab flooring	13.7.28	1928	-	B12	PT	D 089	-
27898	Standard Engine Brake Block superimposed on G.E. Brake Block No. 21	Full size profiles compared	- .6.28	1928	-	-	PT	D 067	-
27899	Oil Box for Axlebox Lubrication	Full size details of six feed box, made of gun metal	- .7.28	1928	-	B12	PT	D 049	-
27906	Radial Axlebox	Full size details of axlebox in radial housing Copy of Gorton Dg No 15760-C	- .2.33	1933	-	N7	PT	D 082	-
27906	Radial Axlebox	Full size details of axlebox for trailing axle Copy of Gorton Dg No 15760-C 16.2.28	10.2.33	1933	-	N7	PT	D 039	-
27907	4.6.0 Engines Type B12-Tender Water Gauge	1½" to 1' elevations and section of vertical pipe with holes, ½" diameter and full size details Endorsed: for tenders of Beyer Peacock locomotives	4.7.28	1928	-	B12	PT	D 009	-
27916	Tenders Type B12-Water Gauge	Full size arrangement of water gauge	10.7.28	1928	-	B12	PT	D	-

		Endorsed: for tenders of North British Locomotive Co. engines						089	
27917	Piston Rod for 8"/8½" Pump	Full size details of rod for Westinghouse pump	- .7.28	1928	-	-	PT	D 042	-
27919	Engine No. 7325 RH Trailing Wheel-Method of Fastening Tyre on Wheel	Full size details of fastening	- .7.28	1928	T18	J66	PT	D 042	-
27922	Bottom Plate & Cement Filling for Smokebox	3" to 1' elevations and section of extended smokebox shown, with top of cylinders covered in cement My comment: is this for Beyer peacock engines?	- .7.28	1928	S69	B12	PT	D 075	-
27936 Part	Advance Sketch of Arrangement of Straight Air Application Valve, Vacuum Reservoir and Double Check Valve	1½" to 1' outline of trailing end of frame, with air valves, etc.	- .8.28	1928	M15	F5	PT	D 061	-
27941 -1-4	Steel Forgings for Piston Heads	3" to 1' elevation, section and plan of forgings, with four separate drawings on one sheet Endorsed: D13 marked not required; D13 has 25" stroke My comment: Stores Ordering drawing	- .10.28	1928	- - -	D13 D15 J66 N7	PT	D 040	-
27941 -5-7	Steel Forgings for Piston Heads	3" to 1' elevation, section and plan of forgings, with three separate drawings on one sheet • Dg No 27941-5 is for B12 • Dg No 27941-6 is for D13 • Dg No 27941-7 is for Y4 My comment: Stores Ordering drawing	- .10.28	1928	- - -	B12 D13 Y4	PT	D 048	-
27941 -8	Steel Forgings for Piston Heads	3" to 1' elevation, section and plan of forgings for engines with piston valves Endorsed: forgings marked D15. PV.; pencil note not required My comment: Stores Ordering drawing	- .1.32	1932	-	D16/3	PT	D 048	-
27941 -8	Steel Forgings for Piston Heads	3" to 1' elevation, section and plan of forgings for engines with piston valves Endorsed: see other tracing same No My comment: Stores Ordering drawing	- .5.34	1934	- - -	D14 D15 D16	PT	D 048	-
27941 -9	Steel Forgings for Piston Heads	3" to 1' elevation, section and plan of forgings Endorsed: superseded by Dg No 27941-10 My comment: Stores Ordering drawing	- .1.35	1935	-	J19/2	PT	D 048	-
27941 -10	Steel Forgings for Piston Heads	3" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing	- .4.35	1935	-	D16/3 J19/2	PT	D 048	-
27947 -1	Steel Forgings for Crank Pins	6" to 1' elevation, section and plan of forgings with details for driving wheels My comment: on same sheet as Dg No 27947-2 and Dg No 27947-3; Stores Ordering drawing	2.8.28	1928	Y14	J15	PT	D 089	-
27947 -2	Steel Forgings for Crank Pins	6" to 1' elevation, section and plan of forgings for leading and trailing wheels My comment: on same sheet as Dg No 27947-1 and Dg No 27947-3; Stores Ordering drawing	2.8.28	1928	Y14	J15	PT	D 089	-
27947 -3	Steel Forgings for Crank Pins	6" to 1' elevation, section and plan of forgings for pins My comment: on same sheet as Dg No 27947-1 and Dg No 27947-2; Stores Ordering drawing	2.8.28	1928	M15	F4	PT	D 089	-

27955 -1-4	Steel Forgings for Piston Rods	3" to 1' elevation, section and plan of forgings, with four separate drawings on one sheet: <ul style="list-style-type: none"> <li>Dg No 27955-1 – B12 – Dg No 17229</li> <li>Dg No 27955-2 – D13 – Dg No 18547</li> <li>Dg No 27955-3 – J18 &amp; J19 – Dg No 17229</li> <li>Dg No 27955-4 – J16 &amp; J17 – Dg No 25158</li> </ul> Endorsed: altered to red 9.34 My comment: Stores Ordering drawing	- .10.28	1928	-	B12 D13 J16 J17 J18 J19	PT	D 071	-
27955 -5-8	Steel Forgings for Piston Rods	3" to 1' elevation, section and plan of forgings with four separate drawings on one sheet: <ul style="list-style-type: none"> <li>Dg No 27955-5 – J66, for piston rod, see Dg No 7127</li> <li>Dg No 27955-6 – N7, for piston rod, see Dg No 19226</li> <li>Dg No 27955-7 – J65, for piston rod, see Dg No 7711</li> <li>Dg No 27955-8 – J15, for piston rod, see Dg No 14993</li> </ul> Endorsed: Dg No 27955-6 altered to red 9.34; BR specification added, 23.11.55 My comment: Stores Ordering drawing	- .10.28	28	Y14 E22 T18 L77	J15 J65 J66 N7	PT	D 035	-
27955 -9	Steel Forgings for Piston Rods	3" to 1' elevation, section and plan for forgings Endorsed: altered to red 9.34; for piston rod see Dg No 18502 My comment: Stores Ordering drawing	- .10.28	1928	B74 B77	Y4	PT	D 071	-
27967 Part	Sentinel Cammell Car-Sketch showing Boiler Baffle Plates	Full size sectional view of plates	6.9.28	1928	-	-	PT	D 014	-
27968	Sketch showing Alteration to Arm on Mechanical Lubricator	Unscaled details of alteration	- .8.28	1928	-	B12	PT	D 042	-
27971	Arrangement of Drop Grate	3" to 1' elevations and details of ashpan and grate Endorsed: for details of grate see Dg No 27972; for ashpan see Dg No 22342	- .8.28	1928	-	B12	PT	D 004	-
27976 -1-8	Steel Forgings for Spring Hangers	3" to 1' elevation, section and plan of forgings, with eight separate drawings on one sheet Endorsed: BR specification added 24.11.55 My comment: Stores Ordering drawing	- .10.28	1928	-	B12 D13 D15 F4 J16 J17 N7	PT	D 059	-
27976 -9	Steel Forgings for Spring Hangers	6" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing	- .11.28	1928	G69	F6	PT	D 059	-
27976 -10	Steel Forgings for Spring Hangers	6" to 1' elevation, section and plan of forgings for driving, and intermediate, intermediate and trailing My comment: Stores Ordering drawing	- .3.29	1929	M15	F4	PT	D 066	-
27976 -11	Steel Forgings for Spring Hangers	6" to 1' elevation, section and plan of forgings for spring hangers My comment: Stores Ordering drawing	- .3.29	1929	G58	J17	PT	D 059	-
27976 -12	Steel Forgings for Bogie Spring Hangers	6" to 1' elevation, section and plan of forgings for spring hangers My comment: to Dg No 10496 Att My comment: Stores Ordering drawing	- .3.29	1929	D56	D15	PT	D 059	-
27976	Steel Forgings for Spring Hangers (Leading and	6" to 1' elevation, section and plan of forgings for spring hangers	- .4.29	1929	Y14	J15	PT	D	-

-13	Trailing)	My comment: for spring hanger see Dg No 6146 My comment: Stores Ordering drawing						064	
27976 -14	Steel Forgings for Spring Hangers (Driving)	6" to 1' elevation, section and plan of forgings for spring hangers My comment: for spring hanger see Dg No 6146 My comment: Stores Ordering drawing	- .4.29	1929	Y14	J15	PT	D 064	-
27990	Fixing of Crank Pin Collar Taper Pins	Full size outline of collar showing split taper pin	- .8.28	1928	S69	B12	PT	D 061	-
27991 -1-4	Steel Forgings for Valve Buckles	3" to 1' elevation, section and plan of forgings of valve buckles shown on four sheets: <ul style="list-style-type: none"> <li>Dg No 27991-1 – J66</li> <li>Dg No 27991-2 – J15</li> <li>Dg No 27991-3 – D15</li> <li>Dg No 27991-4 – D13</li> </ul> My comment: Stores Ordering drawing	- .10.28	1928	-	D13 D15 J15 J66	PT	D 061	-
27991 -5	Steel Forgings for Slide Valve Spindles	3" to 1' elevation, section and plan of forgings for spindles My comment: Stores Ordering drawing	- .12.28	1928	C53	J70	PT	D 061	-
27991 -6	Steel Forgings for Valve Buckles	3" to 1' elevation, section and plan of forgings for buckles Endorsed: not required My comment: Stores Ordering drawing	- .1.29	1929	T26	E4	PT	D 061	-
27992	Proposed Alteration to Position of Drain Cock in Footplate Reservoir	3" to 1' plan of underside of reservoir	- .8.28	1928	-	D15	PT	D 061	-
27997	Springs for Axle Box Controlling Gear	Full size elevation, section and plan of side control springs My comment: is this an ordering drawing?	- .9.28	1928	-	-	PT	D 077	-
27997 -1	Side Control Spring for Leading Axlebox	Full size details of spring, 5/16" diameter Endorsed: alternative to square section	-	-	-	N7	PT	D 061	-
28029	Indicator Diagrams	Unscaled indicator diagrams for engine no. 8516, fitted with Lentz valves, taken 25.9.28 and engine no. 1500, fitted with piston valves, taken 22.3.12	- .11.35	1935	-	B12	PT	D 066	-
28032 -1-4	Steel Forgings for Intermediate Valve Spindles	3" to 1' elevation, section and plan of forgings for spindles on four sheets: <ul style="list-style-type: none"> <li>Dg No 28032-1 – J66</li> <li>Dg No 28032-2 – F4</li> <li>Dg No 28032-3 – D15</li> <li>Dg No 28032-4 – J16 &amp; J17</li> </ul> Endorsed: BR specification added 11.55 My comment: Stores Ordering drawing	- .10.28	1928	-	D15 F4 J16 J17 J66	PT	D 062	-
28040	Proportional Steam Brake Application Valve-Conversion of Westinghouse to Steam	Full size elevations, plan and sections of valve and components Endorsed: for body of valve adapted to fit vacuum ejector see Attachment	11.10.28	1928	-	-	PT	D 057	-
28040 Att	Proportional Steam Brake Application Valve-Body Casting and Handle for Valve Adapted to Fit Vacuum Ejector	Full size elevations and section of valve and details of handle	26.11.28	1928	-	-	PT	D 024	-
28043 -1-3	Steel Forgings for Piston Valve Spindles	3" to 1' elevation, section and plan of forgings on one sheet: <ul style="list-style-type: none"> <li>Dg No 28043-1 – B12</li> <li>Dg No 28043-2 – N7, with long travel valves</li> </ul>	- .10.28	1928	-	B12 N7	PT	D 054	-



		<ul style="list-style-type: none"> <li>Dg No 28043-3 – N7, with short travel valves</li> </ul> <p>Endorsed: BR specification added, 24.11.55 My comment: Stores Ordering drawing</p>							
28061 -1-4	Steel Forgings for Connecting Rods	<p>1½" to 1' elevation, section and plan of forgings on four separate drawings on one sheet:</p> <ul style="list-style-type: none"> <li>Dg No 28061-1 – J15</li> <li>Dg No 28061-2 – B12</li> <li>Dg No 28061-3 – E4</li> <li>Dg No 28061-4 – D15</li> </ul> <p>Endorsed: BR specification added, 23.11.55</p>	- .11.28	1928	-	B12 D15 E4 J15	PT	D 059	-
28061 -5-8	Steel Forgings for Connecting Rod	<p>1½" to 1' elevation, section and plan of forgings, with four drawings on one sheet:</p> <ul style="list-style-type: none"> <li>Dg No 28061-5 – J66</li> <li>Dg No 28061-6 – N7</li> <li>Dg No 28061-7 – F6</li> <li>Dg No 28061-8 – J17</li> </ul> <p>Endorsed: BR steel specification added, 23.11.55 My comment: Stores Ordering drawing</p>	- .1.27	1927	G69 G58 T18 L77	F6 J17 J66 N7	PT	D 033	-
28061 -9	Steel Forging for Connecting Rod	<p>1½" to 1' elevation, section and plan of forgings</p> <p>Endorsed: for connecting rod for engines to order no. B74, see Dg No 18511</p> <p>My comment: on same sheet as Dg No 28061-10; Stores Ordering drawing</p>	- .11.28	1928	B74	Y4	PT	D 043	-
28061 -10	Steel Forgings for Connecting Rod	<p>1½" to 1' elevation, section and plan of forgings for connecting rod</p> <p>Endorsed: for connecting rod for engines with cylinders to Dg No 30007, see Dg No 30498; for engines with piston valves</p> <p>My comment: on same sheet as Dg No 28061-9; Stores Ordering drawing</p>	- .6.32	1932	-	D16/3	PT	D 043	-
28061 -11	Steel Forgings for Connecting Rods	<p>1½" to 1' elevation, section and plan of forgings, with forged and machined dimensions shown</p> <p>Endorsed: for LPTB 4-4-4T locomotives class H</p> <p>My comment: Stores Ordering drawing</p>	7.1.38	1938	-	H2	PT	D 016	-
28062	Tank Engines Types J66, 68 & 69-Alteration to Pipes for W.H. Pump to Suit No 6 Governor	<p>1½" to 1' elevation of assembly and full size elevation and plan of elbow</p>	23.10.28	1928	-	J66 J68 J69	PT	D 046	-
28064 -1-4	Steel Forgings for Connecting Rod Straps	<p>3" to 1' elevation, section and plan of forgings, with four separate drawings on one sheet:</p> <ul style="list-style-type: none"> <li>Dg No 28064-1 – J15</li> <li>Dg No 28064-2 – B12</li> <li>Dg No 28064-3 – D13</li> <li>Dg No 28064-4 – D15</li> </ul> <p>My comment: Stores Ordering drawing</p>	- .11.28	1928	S69 T19 D56 Y14	B12 D13 D15 J15	PT	D 059	-
28064 -5-8	Steel Forgings for Connecting Rod Straps	<p>Unscaled elevation, section and plan of forgings, with four separate drawings on one sheet:</p> <ul style="list-style-type: none"> <li>Dg No 28064-5 – F7, J66, J67, J68 &amp; J69 – Dg No 25926</li> </ul>	- .11.28	1928	G69 Y65 F48	F6 F7 J16	PT	D 064	-


		<ul style="list-style-type: none"> <li>Dg No 28064-6 – N7 – Dg No 19243 &amp; Dg No 26285-1</li> <li>Dg No 28064-7 – F6 – Dg No 17189</li> <li>Dg No 28064-8 – J16 &amp; J17 – Dg No 25793</li> </ul> <p>My comment: Stores Ordering drawing</p>			G58 T18 R24 C72 S56 L77	J17 J66 J67 J68 J69 N7			
28064-9	Steel Forgings for Connecting Rod Straps	3" to 1' elevation, section and plan of forgings Endorsed: for D16/3 engines with piston valves and cylinders to Dg No 30007 My comment: there is provision for four drawings on one sheet	- .6.32	1932	-	D16/3	PT	D 053	-
28080	Engines Type B12, J18 & J20-Two Part Valve Bushing for Piston Valves with Narrow Rings	Full size elevations and section with development of steam ports Endorsed: altered 4.5.31; to supersede Dg No 32420	4.12.28	1928	-	B12 J18 J20	PT	D 013	-
28084	Tests on Drawhooks for L.M.S.Ry.	Unscaled figures 1 and 2 outline of drawhook and link Copy of The National Physical Laboratory, Engineering Dept., Dg No C84/15 Aug 1928, traced from blueprint received from Mr Gresley, dated 24.10.28	- .10.28	1928	-	-	PT	D 055	-
28091	Six Coupled Bogie Express Engines Class B12-Lentz Valve Gear-Sketch Showing Alteration to Position of Cam Shaft Rocking Lever to Back End of Lever Fork to Adjustable Slide Rod	6" to 1' sketch plans of Lentz gear as fitted to class B12 engines	- .11.28	1928	-	B12	PT	D 055	-
28097	Engines Type F4 working on East London Line Details for Westinghouse and Vacuum Trip Cock Gear	6" to 1' and full size details of seven components Endorsed: not carried out, see Dg No 28289 and Dg No 28580	- .10.28	1928	M15	F4	PT	D 020	-
28099	Steel Forgings for Valve Spindle Couplers	3" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing	- .11.28	1928	F48 G58	J16 J17	PT	D 055	-
28235	4-6-0 Engines Type B12-Arrangements and Details of Fork Bracket for Supporting Cylinder Cock Gear Rod	3" to 1' arrangement and full size details of bracket	12.3.29	1929	S69	B12	PT	D 089	-
28245	Alteration to Tender Brake Gear to Accommodate Standard Brake Block	1½" to 1' part side elevation showing position of blocks and 3" to 1' details of cross beams and hangers	- .3.29	1929	-	-	PT	D 021	-
28245	Alteration to Tender Brake Gear to Accommodate Standard Brake Block	1½" to 1' part side elevation showing position of blocks and 3" to 1' details of cross beams and hangers Endorsed: superseded by Dg No 28245 15.11.29	- .3.29	1929	-	-	PT	D 020	-
28245	Alteration to Tender Brake Gear to Accommodate Standard Brake Block	1½" to 1' part side elevation showing position of blocks and 3" to 1' details of cross beams and hangers Endorsed: supersedes drawing dated 3.29; superseded by Dg No 30233 24.12.31	15.11.29	1929	-	-	Pt	D 020	-
28251	Alternative Blast Pipe Caps Tried on B17 Engines	Full size sectional elevation of blast-pipe cap and blower ring	- .3.29	1929	-	B17	PT	D 004	-
28265	Arrangement and Details of 'Ashcroft' Cut Off Control Gauge B17 Type	1½" to 1' arrangement shown on outline elevation and plan of front part of engine and full size details of fittings	- .4.29	1929	-	B17	PT	D 059	-
28268	Class D Steel Tyres	Full size elevation and section of tyres Endorsed: marked with a diamond-shape containing the letters T.E (tram engine); supersedes Dg No 3888-	- .4.29	1929	G15 C53	Y6 J70	PT	D 059	-



		E-D2 My comment: Stores Ordering drawing							
28269	Alteration to Position of Vacuum Ejector on Engines Type B17-New Details Required	Full size details of three components My comment: new position not shown	- .4.29	1929	-	B17	PT	D 060	-
28274	Sketch showing Transverse Distances between the Centres of the Jaws of Brake Blocks on G.E. Section Engines	Full size sketch	- .4.29	1929	-	-	PT	D 066	-
28281	Laminated Spring & Buckle for Leading, Driving and Trailing Wheels	3" to 1' elevation, section and plan of 12 plate spring and buckle and full size details, 3'6" centres Endorsed: one set ordered for trial; for original spring see North British Locomotive Co. Dg No 174	- .4.29	1929	-	B17	PT	D 034	-
28289	2-4-2 Radial Tank Engines Type F5-Arrangement and Details of Westinghouse Trip Cock Gear	1½" to 1' arrangement on gear shown on front part of engine frame and full size details of components at trailing end Endorsed: superseded by Dg No 36297 2.47	- .3.29	1929	-	F5	Pt	D 035	-
28296	Steel Forgings for Side Rod Couplers	3" to 1' elevation, section and plan of forgings  Endorsed: for side rod couplers for N7, see Dg No 19244; for side rod couplers for B12, see Dg No 25727  My comment: Stores Ordering drawing	- .1.1.28	1928	L77	N7	PT	D 060	-
28298	Steel Forgings for Slide Bars	3" to 1' elevation, section and plan of forging of slide bar,  6½" x 3½" section and various lengths  Endorsed: for D13, see Dg No 18548 (superheated) & Dg No 10320; for E4, see Dg No 10320; for J15, see Dg No 7393; for J16, see Dg No 10419; for J66, see Dg No 10304  My comment: Stores Ordering drawing	- .1.29	1929	T19R T26 Y14 F48 T18	D13 E4 J15 J16 J66	PT	D 035	-
28298 -1	Steel Forgings for Slide Bars	3" to 1' elevation, section and plan of forging of slide bar,  6½" x 2¾" section x 3'11½" long  Endorsed: BR specification added, 24.11.55  My comment: Stores Ordering drawing	- .1.1.28	1928	E22	J65	PT	D 035	-
28298 -2	Steel Forgings for Slide Bars	3" to 1' elevation, section and plan of forgings	- .9.31	1931	B74 B77	Y4	PT	D 035	-

		Endorsed: BR specification added, 24.11.55  My comment: Stores Ordering drawing							
28299 -1 28299 -2	Steel Forgings for Quadrant Links	Full size elevation, section and plan of forgings  Endorsed: BR steel specification added; for quadrant link, J66, see Dg No 2760; for quadrant link, D13, see Dg No 7245; for quadrant link B12, see Dg No 17243; for quadrant link, J15, see Dg No 8363  My comment: Stores Ordering drawing	- .11.28	1928	S69 T19 Y14 T18	B12 D13 J15 J66	PT	D 035	-
28332 -1-3	Steel Forgings for Lifting Links	3" to 1' elevation, section and plan of forgings, with three separate drawings on one sheet, and motion details  My comment: cross-refer to the following: <ul style="list-style-type: none"><li>▪ Dg No 28332-1 - J15 – Dg No 8363</li><li>▪ Dg No 28332-2 – B12 – Dg No 17243 &amp; Dg No 17253</li><li>▪ Dg No 28332-3 – J66 – Dg No 2760</li></ul> My comment: Stores Ordering drawing	- .11.28	1928	S69 Y14 T18	B12 J15 J66	PT	D 075	-
28333 -1-2	Steel Forgings for Quadrant Links	3" to 1' elevation, section and plan of forgings, with two separate drawings on one sheet, and motion details  My comment: cross-refer to the following: <ul style="list-style-type: none"><li>▪ Dg No 28333-1 – N7 – Dg No 19233</li><li>▪ Dg No 28333-2 – J15 – Dg No 8363</li></ul> My comment: Stores Ordering drawing	- .11.28	1928	Y14 L77	J15 N7	PT	D 076	-
28334 -1-2	Steel Forgings for Axle Box Casings	3" to 1' elevation, section and plan of axleboxes with side play, with two separate drawings on one sheet.  Endorsed: see Dg No 28334-1 for J16 and N7; Dg No 28334-2 for B12; Dg No 28334-1 amended 23.11.55; Dg No 28334-2 deleted	- .11.28	1928	S69 F48 L77	B12 J16 N7	PT	D 021	-

		23.11.55; for N7 axlebox, see Dg No 19253; for J16 axlebox, see Dg No 11262; for B12 axlebox, see Dg No 19906  My comment: Stores Ordering drawing							
28334 -3	Steel Forgings for Axle Box Casings	3" to 1' elevation, section and plan of forgings of leading axleboxes with side play  Endorsed: see Dg No 21954  My comment: Stores Ordering drawing	- .9.32	1932	D81	J20	PT	D 057	-
28334 -4	Steel Forgings for Axlebox Casings	3" to 1' elevation, section and plan of leading axleboxes, with side play steel stirrups to suit N7 axleboxes to Dg No 32291	-	-	-	N7	PT	D 080	-
28335 -1-2	Steel Forgings for Eccentric Rods	3" to 1' elevation, section and plan of forgings of eccentric rod fork ends, with two separate drawings on one sheet  <ul style="list-style-type: none"> <li>Dg No 28335-1 - D15 – see Dg No 11469 for eccentric rods</li> <li>Dg No 28335-2 – D13 – See Dg No 7452 for eccentric rods</li> </ul> My comment: Stores Ordering drawing	- .11.28	1928	T19 D56	D13 D15	PT	D 057	-
28336 -1-2	Steel Forgings for Horn Stays	3" to 1' elevation, section and plan of forgings, with two separate drawings on one sheet  <ul style="list-style-type: none"> <li>Dg No 28336-1 – J66</li> <li>Dg No 28336-2 – B12</li> </ul> My comment: Stores Ordering drawing	- .11.28	1928	S69 T18	B12 J66	PT	D 057	-
28337 -1-4	Steel Forgings for Coupling Rods	Unscaled elevation, section and plan of forgings, with four separate drawings on one sheet  <ul style="list-style-type: none"> <li>Dg No 28337-1 – B12 with side control</li> <li>Dg No 28337-2 – J65, J66, J67, J68, J69</li> <li>Dg No 28337-3 – N7</li> <li>Dg No 28337-4 – D15</li> </ul>	- .11.28	1928	S69 D56 E22 T18 R24 C72 S56 L77	B12 D15 J65 J66 J67 J68 J69 N7	PT	D 055	-

		Endorsed: BR specification added, 23.11.55 My comment: Stores Ordering drawing							
28337 -5-10	Steel Forgings for Coupling Rods	<p>Unscaled elevation, section and plan of forgings with four separate drawings on one sheet</p> <ul style="list-style-type: none"> <li>▪ Dg No 28337-5 – J16 &amp; J17</li> <li>▪ Dg No 28337-6 – G4</li> <li>▪ Dg No 28337-7 – Y4</li> <li>▪ Dg No 28337-8 (sic) – J20</li> </ul> <p>Endorsed: BR specification added, 23.11.55</p> <p>My comment: part-5, part-6 and part-7 drawn -.11.28; part-10 drawn -.9.31</p> <p>My comment: Stores Ordering drawing</p>	- .11.28 & - .9.31	1928 & 1931	S44 F48 G58 D81 B74 B77	G4 J16 J17 J20 Y4	PT	D 055	-
28337 -8	Steel Forgings for Coupling Rods	<p>1½" to 1' elevation, section and plan of forgings of leading and trailing coupling rods, with no side play, to Dg No 27689</p> <p>Endorsed: BR specification added, 23.11.55</p> <p>My comment: Stores Ordering drawing</p>	- .6.29	1929	-	B12/3	PT	D 059	-
28337 -9	Steel Forgings for Coupling Rods	<p>1½" to 1' elevation, section and plan of forgings, with outline of leading and trailing rods</p> <p>My comment: the leading rod does not have any side play; Stores Ordering drawing</p>	- .6.29	1929	L77	N7	PT	D 064	-
28337 -11	Steel Forgings for Coupling Rods	<p>1½" to 1' elevation, section and plan of forgings</p> <p>Endorsed: for LPTB 4-4-4T engines, class H</p> <p>My comment: Stores Ordering drawing</p>	- .1.38	1938	-	H2	PT	D 057	-
28338	Steel Forgings for Tender Buffers Spindles	<p>3" to 1' elevation, section and plan of forgings</p> 	- .11.28	1928	-	-	PT	D 057	-

		Endorsed: with a diamond-shape containing the letters ST  My comment: for a tender of unspecified type, ST mark possibly means small tender; Stores Ordering drawing							
28340	Steel Forgings for Firehole Rings	3" to 1' elevation, section and plan of forgings  My comment: presumably standard GERy ring; Stores Ordering drawing	- .11.28	1928	-	-	PT	D 064	-
28344 -1	Steel Forgings for Reversing Screws	6" to 1' elevation, section and plan of one forging  Endorsed: for D13 reversing screw, see Dg No 7260; for G4 reversing screw, see Dg No 10002; for J16 reversing screw, see Dg No 10443; for J66 reversing screw, see Dg No 11589; for F3 reversing screw, see Dg No 8767; BR specification added, 24.11.55  My comment: note that four separate drawings, Dg No 28344-1 to Dg No 28344-4, are on one sheet; Stores Ordering drawing	- .11.28	1928	S44	G4	PT	D 024	-
28344 -2	Steel Forgings for Reversing Screws	6" to 1' elevation, section and plan of one forging  Endorsed: for N7 (L77 and K85) reversing screw, see Dg No 23285; for F7 reversing screw, see Dg No 16692; for F4/F5 (P55) reversing screw, see Dg No 6686; for E4, J15, J18, J17, J20 reversing screw, see Dg No 6179; BR specification added, 24.11.55  My comment: note that four separate drawings, Dg No 28344-1 to Dg No 28344-4, are on one sheet; Stores Ordering drawing	- .11.28	1928	Y14	J15	PT	D 024	-
28344 -3	Steel Forgings for Reversing Screws	6" to 1' elevation, section and plan of one forging  Endorsed: for reversing screws for D15, B12 and D14 (F53), see Dg	- .11.28	1928	D56	D15	PT	D 024	-

		No 13972; BR specification added, 24.11.55  My comment: note that four separate drawings, Dg No 28344-1 to Dg No 28344-4, are on one sheet; Stores Ordering drawing							
28344-4	Steel Forgings for Reversing Screws	6" to 1' elevation, section and plan of one forging  Endorsed: marked not required. BR specification added, 24.11.55  My comment: for reversing screws for E4, J15, J18 and J17, see Dg No 6179. Note that four separate drawings, Dg No 28344-1 to Dg No 28344-4, are on one sheet  My comment: Stores Ordering drawing	- .11.28	1928	-	-	PT	D 024	-
28345	Steel Forgings for Brake Shaft Levers (to Pull Rods)	6" to 1' elevation, section and plan of one forging  Endorsed: for brake shaft lever, see Dg No 9537; BR specification added, 23.11.55  My comment: Stores Ordering drawing	- .11.28	1928	T18	J66	PT	D 024	-
28345-1	Steel Forgings for Brake Shaft Levers (to Brake Cylinder or Handbrake)	6" to 1' elevation, section and plan of one forging  Endorsed: for brake shaft lever, see Dg No 25390; BR specification added, 23.11.55  My comment: Stores Ordering drawing	12.3.29	1929	T18	J66	PT	D 024	-
28345-2	Steel Forgings for Tender Brake Shaft Levers	6" to 1' elevation, section and plan of one forging  Endorsed: BR specification added, 23.11.55  My comment: for brake shaft lever, see Dg No 7898; Stores Ordering drawing	16.3.29	1929	-	-	PT	D 024	-
28350-3	Steel Forgings for Foundation Rings	1½" to 1' elevation, section and plan of two forgings	24.11.28	1928	T19	D13	PT	D 024	-



		<p>Endorsed: for D13 foundation ring, see Dg No 13552; not required;</p> <p>BR specification added, 23.11.55</p> <p>My comment: note that four separate drawings, Dg No 28350-1 to Dg No 28350-4, are on one sheet</p> <p>My comment: Stores Ordering drawing</p>							
28349	Steel Forgings for Steam Pipe Flanges	<p>3" to 1' elevation, section and plan of two types of forging</p> <p>Endorsed: altered 13.3.29 to suit D16 and other classes; BR specification added 24.11.55.</p> <p>My comment: Stores Ordering drawing</p>	- .11.28	1928	H88	D16	PT	D 024	-
28350 -1	Steel Forgings for Foundation Rings	<p>3" to 1' elevation, section and plan of one forging</p> <p>Endorsed: altered to red, 11.4.29; altered to green, 23.9.29. BR specification added, 23.11.55</p> <p>My comment: note that four separate drawings, Dg No 28350-1 to Dg No 28350-4, are on one sheet; Stores Ordering drawing</p>	24.11.28	1928	M15 Y14 T18	F4 J15 J66 J92	PT	D 024	-
28350 -2	Steel Forgings for Foundation Rings	<p>1½" to 1' elevation, section and plan of forgings</p> <p>Endorsed: altered to red, 23.9.29; altered to 3'2" at Mr. Wisbey's request, 23.3.39; BR specification added, 23.11.55; for N7 foundation ring, see Dg No 19220; for Y4 (B74) foundation ring, see Dg No 18518</p> <p>My comment: note that four separate drawings, Dg No 28350-1 to Dg No 28350-4, are on one sheet; Stores Ordering drawing</p>	24.11.28	1928	L77 B74	N7 Y4	PT	D 024	-
28350 -4	Steel Forgings for Foundation Rings	<p>1½" to 1' elevation, section and plan of two forgings</p>	24.11.28	1928	S69	B12	PT	D 024	-

		Endorsed: for B12 foundation ring, see Dg No 17219; marked not required; BR specification added, 23.11.55  My comment: note that four separate drawings, Dg No 28350-1 to Dg No 28350-4, are on one sheet; Stores Ordering drawing							
28350-5	Steel Forgings for Foundation Rings	1½" to 1' elevation, section and plan of two forgings shown  Endorsed: for foundation ring for J66 high pressure, see Dg No 14080; altered to red, 23.9.29; BR specification added, 23.11.55  My comment: note that two separate drawings, Dg No 28350-5 and Dg No 28350-6, are on one sheet; Stores Ordering drawing	26.11.28	1928	C72 R24 S56	J68 J69	PT	D 024	-
28350-6	Steel Forgings for Foundation Rings	1½" to 1' elevation, section and plan of two forgings  Endorsed: altered to red, 23.9.29. BR specification added, 23.11.55; for F6 foundation ring, see Dg No 17602  My comment: note that two separate drawings, Dg No 28350-5 and Dg No 28350-6, are on one sheet; Stores Ordering drawing	26.11.28	1928	M15 G69	F5 F6	PT	D 024	-
28350-7	Steel Forgings for Foundation Rings	1½" to 1' elevation, section and plan of forgings for R.T. (round top) boilers  My comment: Stores Ordering drawing	28.3.35	1935	L77	N7	PT	D 064	-
28351	Steel Forgings for Brake Shafts	3" to 1' elevation, section and plan of forging, with allowances for machining  Endorsed: not reqd; Stores Ordering drawing	- .11.28	1928	C32	F3	PT	D 028	-
28352	Sets Forgings for Coupling Links	Full size elevation, section and plan of two types of link  My comment: Stores Ordering drawing	3.12.28	1928	S69	B12	PT	D 089	-

28354	Steel Forgings for Coupling Links	Full size elevation, section and plan of forgings  My comment: Stores Ordering drawing	- .1.29	1929	D56 Y14	D15 J15	PT	D 078	-
28355	Rubber Valve Seat for Westinghouse Trip Cock	Full size details of seat  Copy of Gorton Dg No 14988-C	- .11.28	1928	-	-	PT	D 043	-
28358	Steel Forgings for Eccentric Sheaves	6" to 1' elevation, section and plan of forgings for smaller eccentric piece  Endorsed: for engines with short valve travel; for sheaves for N7 (L77), see Dg No 19263; for N7 with motion to Dg No 25931, see Dg No 28358-1  My comment: Stores Ordering drawing	- .1.29	1929	L77	N7	PT	D 049	-
28358 -1	Steel Forgings for Eccentric Sheaves-To be in Accordance with LNER Specification No 11 Class 'A'	6" to 1' elevation, section and plan of forgings for engines with motion arrangement to Dg No 25931  Endorsed: for eccentric sheave, see Dg No 26392; superseded by drawing, same number, dated -.2.50  My comment: Stores Ordering drawing	21.6.29	1929	L77	N7	PT	D 030	-
28358 -1	Steel Forgings for Eccentric Sheaves	6" to 1' elevation, section and plan of forgings of eccentrics to Dg No 35141  Endorsed: for engines with long valve travel  My comment: Stores Ordering drawing	- .2.50	1950	L77	N7	PT	D 048	-
28359	Steel Forgings for Spring Buckles	Full size elevation, section and plan of forgings  Endorsed: for inside trailing spring buckles, see Dg No 7269  My comment: Stores Ordering drawing	- .11.28	1928	T26	E4	PT	D 047	-

28360	Steel Forgings for Spring Buckles	<p>Full size elevation, section and plan of forgings</p> <p>My comment: for spring buckle, trailing spring, N7, cross-refer to Dg No 19264</p> <p>My comment: Stores Ordering drawing</p>	- .11.28	1928	L77	N7	PT	D 035	-
28361	Steel Forgings for Spring Buckles	<p>Full size elevation, section and plan of forgings of springs for leading carrying axle</p> <p>Endorsed: for trailing spring buckle, see Dg No 6008</p> <p>My comment: Stores Ordering drawing</p>	- .11.28	1928	M15	F4 F5	PT	D 028	-
28362	Steel Forgings for Spring Buckles	<p>Full size elevation, section and plan of forgings</p> <p>Endorsed: marked with a diamond shape containing the letters LT (possibly meaning large tender); for tender spring buckle, see Dg No 22330</p> <p>My comment: Stores Ordering drawing</p>	- .11.28	1928	-	-	PT	D 016	-
28363	Steel Forgings for Spring Buckles	<p>Full size elevation, section and plan of forgings</p> <p>My comment: for bogie spring buckles, for B12, see Dg No 17252</p> <p>My comment: Stores Ordering drawing</p>	- .11.28	1928	S69	B12	PT	D 020	-
28369	Steel Forgings for Engine & Tender Drawhooks	<p>Full size elevation, section and plan of forgings</p> <p>Endorsed: for all passenger engine classes including F4, J70, Y6, D15, D13, tenders; for drawhook for goods engines and tenders, see Dg No 28370; for group standard drawhook, see Dg No 28371; for drawhook for tank engines, back end, see Dg No 28389</p> <p>My comment: Stores Ordering drawing</p>	- .12.28	1928	T19 D56 M15 - C53	D13 D15 F4 J70 Y6	PT	D 051	-

28370	Steel Forgings for Engine and Tender Drawhooks	Full size elevation, section and plan of forgings of drawhook for goods engines and tenders only  Endorsed: for classes J15, J66, Y5 and tenders; for drawhook for passenger engines and tenders, see Dg No 28369; for group standard drawhook, see Dg No 28371; for tank engines (back end for welding to bar), see Dg No 28389  My comment: Stores Ordering drawing	3.12.28	1928	Y14 T18 209	J15 J66 Y5	PT	D 025	-
28371	Engine & Tender Drawhook	Full size elevation, section and plan of forging of drawhook  Endorsed: for B12 engine and B12 tender  My comment: Stores Ordering drawing	- .1.29	1929	S69 L77	B12 N7	PT	D 064	-
28372	Alteration to Brake Gear-Tenders Type D15, B12	3" to 1' plan of brake gear and details of two components  Endorsed: for other details, see Dg No 7898	8.12.28	1928	S69 D56	B12 D15	PT	D 089	-
28373	Tyre-Rolled Section	Full size dimensioned sections of tyre  My comment: assumed to be for locomotive	-	-	-	-	PT	D 089	-
28375	0-6-2 Tank Engines Type N7 (K89)-Valve Bushing for Piston Valves with Narrow Rings	Full size elevations of valves and development of bushing Endorsed: to supersede Dg No 22819; see amended Dg No 28375 4.36	- .12.28	1928	K89	N7	PT	D 065	-
28375 Amend	0-6-2 Tank Engines Type N7 Piston Valve Bushing	Full size elevations of valves and development of bushing to suit cylinders to Dg No 19236; for bushes to suit cylinders for short valve travel engines with cylinders to Dg No 35613 see dg No 35151	- .3.44	1944	-	N7	PT	D 067	-
28378	Steel Forgings for Clackbox Seatings	6" to 1' elevation, section and plan of forgings showing four types of seatings  My comment: Stores Ordering drawing	- .1.1.28	1928	S69 D56 H88 R24 S56	B12 D15 D16 J69	PT	D 067	-
28382	Steel Forgings for Brake Beams	3" to 1' elevation, section and plan of forgings  Endorsed: for brake cross beams fo J66 and F4/F5 (O18), see Dg	- .1.1.28	1928	M15	F4	PT	D 061	-

		No 9537 and Dg No 6677 My comment: Stores Ordering drawing							
28389	Steel Forgings for Engine Drawhooks	Full size elevation, section and plan of forgings  Endorsed: marked F\$ and G4 for back end of tank engines for welding to bars; for drawhook for passenger engines and tenders, see Dg No 28369; for drawhook for goods engines and tenders, see Dg No 28370; for group standard drawhook, see Dg No 28371  My comment: Stores Ordering drawing	- .1.29	1929	M15 S44	F4 G4	PT	D 061	-
28395	Blast Pipe	3" to 1' details of pipe  Endorsed: see Dg No 9371	- .12.28	1928	R24 S56	J69	PT	D 066	-
28409 Part	Four Wheels Coupled Express Engines Type D14 (Class S46) Steel Crank Axle	3" to 1' elevations of axle My comment: stores ordering drawing	18.11.28	1928	-	D14	PT	D 014	-
28409	Four Wheels Coupled Express Engines Type D14 (Class S46) Crank Axle	3" to 1' elevations of axle	- .2.29	1929	S46	D14	PT	D 014	-
28435	0-6-2 Tank Engines Type N7 with Motion Arrangement to 25931-Piston Valve Bushing for Piston Valves with Narrow Rings	Full size details including development of ports  Endorsed: supersedes Dg No 26360; superseded by Dg No 35151, dated -.4.46	- .12.28	1928	L77	N7	PT	D 012	-
28435 -I	N7 Type Engs with Motion to Dg No 25931-Proposed Alteration to Piston Valves Bushes for Valves with Narrow Rings to Dg No 26363	Full size sketch of bushing  Endorsed: superseded by Dg No 35151, dated -.4.46	- .1.34	1934	L77	N7	PT	D 012	-
28440	Crosshead	Full size detail of crosshead  Endorsed: drawing noted NOT CHECKED, checking alterations in pencil; for slide bar, see Dg No 13482	- .1.29	1929	C53	J70	PT	D 012	-
28453	Adaptor for Steam Pressure Gauge	Full size details of adaptor	5.1.29	1929	-	-	PT	D 022	-
28461	Proposed Lance for Washing Out Boilers	Full size sectional elevation	- .1.29	1929	-	-	PT	D 035	-

28467	Engines Types B12 & N7-Gudgeon Pins & Eccentric Rod Motion Pin	Full size elevations of pins	- .1.29	1929	S69 L77	B12 N7	PT	D 090	-
28467	Gudgeon Pins & Eccentric Rod Motion Pin	Full size elevations of gudgeon pins for N7 and B12 and one elevation of motion pin, common to N7 and B12	- .1.29	1929	S69 L77	B12 N7	PT	D 033	-
28473	Engines Types J18 & J19-Alterations to Balance Weight of Leading and Trailing Wheels	6" to 1' elevation and section of 4.4" diameter wheel on tread showing details of weights Endorsed: for wheel centre see Dg No 18018	- .1.29	1929	-	J18 J19	PT	D 048	-
28477	B12 Type Engines-Sketch of Proposed Additional Rivets in Throat Plate Joints of Smokebox	3" to 1' side elvation of throat plate  My comment: for engines built by Beyer Peacock	17.1.29	1929	S69	B12	PT	D 021	-
28486	A.C.F.I Feed Water Heater on B12 Type Engine No 8517-Arrangement Showing Alterations Required to Mixing and Settling Tanks	1 to 5 scale elevations and sections showing new components and those to be removed	14.3.29	1929	-	B12	PT	D 051	-
28491	Alteration to Top of Blast Pipes	3" to 1' details of existing blast pipe and as altered  My comment: alteration is to cut off the top, lowering the blast pipe by 4" on E4 and 2" on J15	- .1.29	1929	T26 Y14	E4 J15	PT	D 075	-
28500	Adapter for N.E. Type Steam Brake Valve when Converted for use with a Disc Valve of Similar Pattern to G.E. Type	Full size details of adapter  Endorsed: for drawing of NE steam brake valve, see Dg No 28466.  Superseded by Dg No 29729, dated 8.6.31	- .1.29	1929	-	-	PT	D 043	-
28509	Proposed Bushing for Drawbar Pin Holes	3" to 1' details of bushing for holes in reservoir footplate casting  Endorsed: for D14, see Dg No 10489	- .2.29	1929	T19 S46 T26	D13 D14 E4	PT	D 057	-
28515 Part	Steel Crank Axles	3" to 1' elevation, section and plan of forging with oval webs for engines with 25" stroke crank  My comment: Stores Ordering drawing	- .2.29	1929	S46	D13	PT	D 056	-
28516	Steel Tubes	Unscaled details of tubes, 14'3" long and 11 s.w.g thickness  Endorsed: for B12 engine with 5'6" boiler, see Dg No 29735  My comment: Stores Ordering drawing	- .2.29	1929	-	B17	PT	D 080	-

28518	Reservoir Footplate Casting-Proposed Bushing for Drawbar Pin Holes	3" to 1' details of bushing	- .2.29	1929	S69	B12	PT	D 037	-
28519	Alteration to Oil Cup on Large End of Inside Connecting Rod	Full size details of alteration  My comment: alteration gives a 36.6% increase in oil capacity	- .2.29	1929	-	B17	PT	D 054	-
28520	Steel Axles	3" to 1' elevation, section and plan of forgings  My comment: Stores Ordering drawing	- .2.29	1929	C53	J70	PT	D 069	-
28520 -I	(Untitled) Leading Axle for G15 Class 0-4-0T Tram Engine	3" to 1' elevation and section of leading axle and specifications  Endorsed: forged weight of axle amended, -.9.30  My comment: Stores Ordering drawing	19.2.29	1929	G15	Y6	PT	D 001	-
28522	Driving Crank Pin and Eccentric Crank J70 Type (C53)	Full size elevations of component	29.4.29	1929	-	J70	PT	D 001	-
28537	Driving Crank Pin and Eccentric Crank Y4 Type (B74)	Full size elevations of components	- .2.29	1929	B74	Y4	PT	D 001	-
28542	20-ton Shackle for Lifting Trailing End of Engine, B17 Class 4-6-0	6" to 1' elevations, details and arrangement of shackle  Endorsed: amended 15.8.40	- .2.29	1929	-	B17	PT	D 004	-
28549	Steel Castings for Piston Valve Retaining Rings	Full size elevation, section and plan of castings  My comment: Stores Ordering drawing	- .2.29	1929	-	J27	PT	D 011	-
28555 -I	Sentinel-Cammell Rail-Cars: - Joints	Full size diagrams of joints and brackets:  1. Blast-pipe joint 2. Stop valve cover joint 3. Release valve joint 4. Boiler feed check valve joint 5. Water gauge/Safety valve/Superheater elbow/Injector joints 6. Aspan hinge bracket/Trunnion clip bracket/Trunnion bracket 7. Trunnion bracket joint 8. Exhaust pipe joint My comment: Copy of Sentinel Waggon Co.  Dg No 3274-A/B/C/D/E/F/G/H	- .3.29	1929	-	-	PT	D 001	-



28555 -2	Sentinel-Cammell Railcars: - Joints	3" to 1' and full size diagrams of joints:  9. Boiler top joint 10. Boiler bottom joint (large boiler) 11. Hand-hole door joint 12. Superheater coil main steam pipe Copy of Sentinel Waggon Co Dg No 3274L/M; Dg No 6021A; Dg No 3273D	- .3.29	1929	-	-	PT	D 001	-
28562	Proposed Alteration to Position of Vacuum Ejector B17 Type	3" to 1' part view of left-hand side of cab, showing ejector lowered	- .3.29	1929	-	B17	PT	D 065	-
28577	0-6-0 Tank Engines Types J66, 67, 68 & 69 (Classes T18 & R24)-Alteration to Lubrication to Trailing Axleboxes	1" to 1' arrangement of axlebox lubrication and 6" to 1' details of components for new and existing axleboxes	10.5.29	1929	-	J66 J67 J68 J69	PT	D 069	-
28587	Steel Forgings for Crank Axle Webs Type N7	3" to 1' elevation, section and plan of forgings  My comment: Stores Ordering drawing	- .4.29	1929	L77	N7	PT	D 052	-
28593	4-6-0 Engines Type B17-Sand Box and Details	3" to 1' sections, elevation and plan of sand box and full size details of 10 components and schedule	14.5.29	1929	-	B17	PT	D 010	-
28595	Proportional Steam Brake Application Valve-Conversion Westinghouse to Steam	Full size elevations, section and plan of numerous components Endorsed: undated alterations	3.5.29	1929	-	-	PT	D 072	-
28595 Att No 1	Proportional Steam Brake Application Valve-Conversion Westinghouse to Steam-Body Casting for Valve Adapted to Fit Vacuum Ejector	Full size elevation and section of casting	3.5.29	1929	-	-	PT	D 015	-
28595 Att No 2	Arrangement of Proportional Steam Brake Application Valve	Full size elevation, section and plan of valve	- .9.30	1930	-	-	PT	D 072	-
28597	Steel Safety Valve Springs	Full size elevation and plan of springs for Ramsbottom-type safety valves for three types of spring – 140lb., 160lb. and 180lb. – each with different loaded lengths  My comment: Stores Ordering drawing	- .5.29	1929	-	-	PT	D 073	-
28598	Positions of Repair Plates on G.E. Engines & N.E. Engines J27 & T1	1½" to 1' details of positions of plates in cab shown	- .5.29	1929	-	J27 T1	PT	D 076	-
28609	B17 2800 – 2809 (NBL)-Boiler-Plan and End View	1½" to 1' elevations and plan of boiler  Copy of North British Locomotive Co. Dg No 10	21.2.34	1934	-	B17	PT	D 010	-

28613	Longitudinal (sic) Stay Rod End	Full size elevation and plan of rod end  Copy of part of North British Locomotive Co. Dg No 14A	- .9.34	1934	S6 -	B12 B17	PT	D 025	-
28620	B17 2800 – 2809 (NBL)-Firebox	3” to 1’ elevations, section and plan of firebox  Copy of North British Locomotive Co. Dg No 21	21.2.34	1934	-	B17	PT	D 010	-
28648 Att	2” Blast Pipe Cap	6” to 1’ elevation, section and plan of cap  My comment: there appears to be, at least, three different height blast pipes!	- .11.34	1934	-	B17	PT	D 056	-
28686 -I	1/8” Dia. Needle Valve	Full size details of valve  Endorsed: superseded, for future steam chest pressure gauge connection see Drg No 37588 (W-841) 11.6.51  My comment: possibly for steam chest pressure gauge  Copy of Dg No W-516-N	- .7.36	1936	-	-	PT	D 060	-
28731 Part	Table of Valve Events	Unscaled table  Copy of North British Locomotive Co. Dg No 132	- .5.42	1942	-	B17	PT	D 043	-
28745	Reversing Screw & Details	Full size details of reversing screw and handle, nut, catch, etc.  Details A – M  Endorsed: original drawing for 1932-build B17 and B17/3, altered for B12/3 and D16/3  Copy of Darlington Dg No 13239D, dated -.11.29 (contractors drawing)	- .9.34	1934	-	B12/3 B17 B17/3 D16/3	PT	D 080	-
28751 Att	Alteration to Reversing Shaft Arm	3” to 1’ scrap arrangement and full size details of shaft end of arm	- .6.34	1934	-	B17	PT	D 063	-
28752 Part	Springs for Motion Oil Cups and Covers	Full size details of springs F, K, G’, V & Y	- .3.32	1932	-	B17	PT	D 080	-

28754 Part	Sketch showing Suggested Radius at Recess for Nuts, Centre Big End-B17 Class	Full size sketch	- .12.38	1938	-	B17	PT	D 080	-
28784 Att	Sketch showing Additional Bronze Strip to Cab Side Window	6" to 1" strip on bottom of frame of front and back windows  My comment: windows have wooden frames	-	-	-	-	PT	D 080	-
28819	Express Engines Type B17-Bogie Bearing Spring	Full size elevation and plan of spring, 10 <sup>3</sup> / <sub>16</sub> " long and 5 <sup>1</sup> / <sub>16</sub> " diameter  Copy of North British Locomotive Co. Dg No 220	11.10.29	1929	-	B17	PT	D 030	-
28862	2-4-2 Radial Tank Engines Type F4-Details of Westinghouse Triple Cock	Full size details of numerous components Endorsed: altered 7.29, for GA of gear see Dg No 23289	- .5.29	1929	-	F4	PT	D 030	-
28862 Part	F4 Engines	Full size sketch showing alterations, and altered dimensions, to cams of trip valves to render them more sensitive in action	- .5.29	1929	M15	F4	PT	D 030	-
28879	Steel Forgings for Crank Axle Webs (Type J15)	3" to 1' elevation, section and plan of two types of forging Endorsed: drawing updated to BR specifications for materials My comment: Stores Ordering drawing	15.5.29	1929	Y14	J15	PT	D 030	-
28880	Steel Forgings for Crank Axle Webs (Engs. Type J20)	3" to 1' elevation, section and plan of two types of forging Endorsed: drawing updated to BR specification for materials My comment: Stores Ordering drawing	24.9.34	1934	D81	J20	PT	D 030	-
28880 -I	Engines Type J20-Finished Dimensions of Crank Webs for Built Up Crank Axle, Inside and Outside -	3" to 1' elevations and section of crank webs	22.6.36	1936	D81	J20	PT	D 030	-
28881	Steel Forgings for Crank Axle Webs	3" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing	- .5.29	1929	F48 G58	J16 J17	PT	D 049	-
28891	Arrangement of 'Diamond' Soot Blower J15 Type (Y14) 7887 Eng	1" to 1' outline end elevation of boiler and part section showing arrangement and full size section of tube	27.5.29	1929	Y14	J15	PT	D 076	-
28893	Alterations to Reversing Section J69 Type Shunting Engines	1½" to 1' elevation of sector and lever on outline of cab	30.5.29	1929	-	J69	PT	D 013	-
28894	Positions of Cranks, showing B17 and B12 Type Engines at Worst Condition of Starting	Unscaled-two diagrams and calculations of tractive force showing B17 = 28% more than B12	- .6.29	1929	S69	B12 B17	PT	D 064	-
28902	4-6-0 Engines Type B17, B12, D15-16, J17-20-Tender Axlebox	Full size elevations, sections and plans of tender axlebox Endorsed: for alteration to position of lettering on bearing, see Dg No 28902 Att	12.6.29	1929	S69  D56 H88 G58 E72 T77 D81	B12 B17 D15 D16 J17 J18 J19 J20	PT	D 082	-
28902 Att	Tender Axlebox Bearing showing Alteration to Position of Identification Letters	Full size details of bearing	21.2.38	1938	S69  D56 H88 G58	B12 B17 D15 D16 J17	PT	D 017	-

					E72 T77 D81	J18 J19 J20			
28904	Vacuum Brake Pipes	Unscaled sketches and dimensions for set of pipes for B17 tender	- .6.29	1929	-	B17	PT	D 077	-
28906	Duplex Indicator Markings for 4.6.4 H.P. Engine	Diagrammatic-three graphs based on information sent by Darlington on 17.5.29 and 23.5.29 Endorsed: for amended graph, see Dg No 28906-I	4.6.29	1929	-	W1	PT	D 017	-
28906 -I	Duplex Indicator Markings for 4.6.4 H.P. Engine	Diagrammatic-three graphs based on information sent by Darlington, 17.5.29 and 19.6.29 Endorsed: amendment of Dg No 28906, some figures not now correct	-	-	-	W1	PT	D 017	-
28921	Valve Readings and Dimensions taken from Engines Nos 2800 & 2808 in Running Condition, & Compared to the Maker's Figures	Unscaled tabulated data, comparing actual figures and those of the North British Locomotive Co. Dimensional inaccuracies also recorded.	- .7.29	1929	-	B17	PT	D 043	-
28927	Method of Lubricating Centre Bearing between Engine & Tender	3" to 1' and full size details of oil run and position My comment: GERy tenders do not have a centre bearing; the drawing shows a pivot casting on the tender and a recessed pad on the engine. There are no drawing number references to these	9.7.29	1929	Y14 F48 G58 E72 T77 D81	J15 J16 J17 J18 J19 J20	PT	D 016	-
28929 -I	Tender Water Gauge	Diagrammatic elevations showing position of gauge and schedule of dimensions for 7 GE tender classes My comment: Dg No also seen as 28929Att	15.6.31	1931	-	-	PT	D 089	-
28929	Details of Water Gauge for 5,000 Gallons 8 Wheels Tender also GE Engines	Full size sectional elevation of gauge and 1½" to 1' part view of gauge on tender front and full size details of components Endorsed: position of water gauge on GE tenders see Attachment 28929; for position of water gauge on GE tank engines see Dg No 29944 Copy of Doncaster Dg No R.84	- .2.34	1934	-	-	PT	D 064	-
28934	Joint between Smokebox Door and Ring	Full size comparison between group standard Dg No 13598D and GE section Dg No 25796E	- .7.29	1929	-	-	PT	D 077	-
28936	Sentinel Geared Railcars Nos. 51908 and 51909	3" to 1' plan view of top and bottom boiler joints My comment: 51908 was "Expedition", 1928 and 51909 was "Waterloo", 1929	10.7.29	1929	-	-	PT	D 025	-
28938	Tenders Type B17-Cast Steel Gear Casing for Water Pick-Up Gear	Full size details My comment: Stores Ordering tracing	10.9.29	1929	-	B17	PT	D 010	-
28940	Engines Type B17-Cast Steel Bracket for Hand Brake and Water Pick-up Gear	Full size elevation, section and plan of bracket	15.7.29	1929	-	B17	PT	D 010	-
28944	Cast Steel Trunnion for hand Brake Gear	Full size details My comment: Stores Ordering tracing	- .9.29	1929	-	B17	PT	D 031	-
28945	Model for Duplex Cut-off Indicator	3" to 1' details of model My comment: was this for 4-6-4 H.P. engine no. 10000?	- .8.29	1929	-	W1	PT	D 057	-
28967	Vacuum Hose Coupling Pipes on Engines	3" to 1' details showing relative position of dummy plug and swan neck to suit hose pipes 26" long	- .7.29	1929	-	-	PT	D 070	-

28975	Expansion Angles	3" to 1' sections of six types of angles for ex-GERy engines	- .8.29	1929	-	-	PT	D 059	-
28982	Brake Details-Tenders Type B17	3" to 1' and full size details of pull rods, hangers, springs, etc. Endorsed: brake screw rod stop and cotter deleted, 14.3.48 My comment: this drawing presumably relates to tenders of GER type built for B17 class	- .8.29	1929	-	B17	PT	D 005	-
28983	Tenders Type B17-Brake Details	Full size details of 15 components	29.8.29	1929	-	B17	PT	D 019	-
28984	Tenders Type B17-Brake Shaft, Lever and Bracket	3" to 1' details of 17 components	29.8.29	1929	-	B17	PT	D 018	-
28985	Tenders Type B17-Pipe Carriers and Clips	6" to 1' and full size details of 13 components	- .8.29	1929	-	B17	PT	D 018	-
28990 Part	(Untitled)	Full size elevation of dial face for Duplex cut-off indicator My comment: presumably for experimental W1 class 4-6-4 locomotive	- .8.30	1930	-	W1	PT	D 030	-
29000	Roof Bars & Sling Stays	3" to 1' and full size details of one, two and three roof bars	- .8.29	1929	T26 C32 Y14	E4 F3 J15	PT	D 076	-
29008	Boilers for J15 Type Engines-Arrangement of Steam Pipes inside Boiler	1½" and 6" to 1' undimensioned outline of boiler, showing internal pipes; bevel bottom type, steam brake Endorsed: for regulator, see Dg No 7051	- .8.29	1929	Y14	J15	PT	D 079	-
29009	0-6-0 Engines Type J18/17-Regulator Steam Pipe	Full size sections of pipe and 3" to 1' elevation of complete pipe Endorsed: for D&J type engines with boilers to Dg No 29083	28.8.29	1929	-	J18 J19	PT	D 049	-
29009 Part	Internal Steam Pipe	3" to 1' elevation, section and plan of copper pipe My comment: Stores Ordering drawing	- .6.42	1942	G58	J17	PT	D 049	-
29012	Steam Pipe Elbow	Full size 1' elevation and section of elbow on tube-plate for main steam pipe	- .8.29	1929	S56	J69	PT	D 048	-
29018	Steel Spring for Whistle Lever inside Cab	Full size details of spring	- .9.29	1929	-	B17	PT	D 043	-
29038	Modified Method of Securing Sand Pipe on Sentinel-Cammell Steam Rail Cars	3" to 1' details showing arrangement of 3 sets apparatus Copy of Darlington Dg No 13671	- .9.29	1929	-	152	PT	D 001	-
29054	Westinghouse Brake Cylinder with Alterations Necessary to Adapt for Use as Steam Brake Cylinder, Incorporated	3" to 1' general arrangement of Westinghouse single-acting brake cylinder and full size details Endorsed: see Dg No 29077 for drain valve My comment: notes on drawing imply application on tenders; duplicate copy master	- .9.29	1929	-	-	PT	D 083	-
29056	Hand Brake Gear	Full size elevation, section and plan of hand brake column and parts schedule Endorsed: signed "H. N. Gresley" My comment: for GE type B17 tenders	- .10.29	1929	-	B17	PT	D 031	-
29057	Water Pick Up Gear	6" to 1' general arrangement and full size details of handwheel and screw, with parts schedule Endorsed: signed by H. N. Gresley My comment: for B17 tender	- .10.29	1929	-	B17	PT	D 031	-
29058	4-6-4 H. P. Engine	Unscaled chart showing cut-off readings from model valve gear for	- .8.30	1930	-	W1	PT	D	-

		high pressure cylinders of engine						030	
29058	Calculations for the Development of Cam of Duplex Cut-Off Indicator	Unscaled tables of dimensions	- .8.30	1930	-	W1	PT	D 067	-
29058 -1	4-6-4 H P Engine	Unscaled tables of dimensions	- .8.30	1930	-	W1	PT	D 067	-
29058 -3	Duplex Cut Off indicator for 4-6-4 H. P. Engine	Unscaled table of readings for cut-off gear	- .8.30	1930	-	W1	PT	D 067	-
29062	Express Engines Type B12-Details of Wood's Anti-Carboniser	3" to 1' and full size details of components Endorsed: see Dg No 22382 for injector feed pipe dimensions	5.10.29	1929	-	B12	PT	D 030	-
29070	Steel Smoke Tubes as Fitted in Boiler	Full size two diagrams with detailed instructions how to install tubes for expanding or screwed into firebox tube plate	8.10.29	1929	-	-	PT	D 030	-
29071	Details of Indicating Gear	6" to 1' and full size details of various components	- .10.29	1929	-	B17	PT	D 037	-
29072	Arrangement of Indicating Gear	¾" and 1½" to 1' scrap elevations and plan of frames and small cross-section through cylinders Endorsed: for indicating gear details, cross-refer to Dg No 29071	- .11.29	1929	-	B17	PT	D 036	-
29077	Condensation Release Valve for Steam Brake Cylinder	Full size detail of bronze valve	- .11.29	1929	-	-	PT	D 080	-
29081	Oiler Pad No. 30 for Bogie Axlebox	Full size elevation, section and plan of oiler pad Copy of Darlington Dg No 13694-D	- .9.29	1929	-	A2 D49	PT	D 052	-
29082	Screw Rod for Water Scoop Gear	6" to 1' elevation and plan of rod Endorsed: for arrangement shown on Dg No 29057; for B17 tenders	- .10.29	1929	-	B17	PT	D 050	-
29083	Steel Forgings for Crank Axle Webs	3" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing	- .10.29	1929	T18	J66	PT	D 050	-
29085	2½" Ross Patent Muffled Pop Safety Valve	6" to 1' dimensioned outline drawing My comment: for boilers to Dg No 29803 Copy of Ross Dg No A853	- .10.29	1929	-	-	PT	D 066	-
29089	Oiler Pads No. 48 for Leading & Trailing Coupled Wheels	Full size elevation, section and plan of oiler pad Copy of Darlington Dg No 13696D	- .9.29	1929	-	A1 A3 B17 D49 K3	PT	D 050	-
29090	Proposed Hinged Back Plate for Gauge Glass Protectors	Full size elevation and plan of back plate Endorsed: for fitting to standard water gauge to Dg No W-288N Copy of Doncaster Dg No W-325N, 27.7.29	- .11.29	1929	-	-	PT	D 060	-
29092	Tool Box & Alteration to Front Plate of Tender Tank	1½", 3" and 6" to 1' views of front of tender	- .10.29	1929	-	B17	PT	D 052	-
29102	Water Pick Up Gear for Tenders.-Diagram showing Relation of Bottom of Scoop to Rail Level	6" to 1' section of scoop and trough, and drawing of link Endorsed: altered to red, 24.7.30; this drawing supersedes Dg No 24927; for future links see Dg No 30881, 20.2.33	- .11.29	1929	-	-	PT	D 034	-
29103	Cylinder & Steam Chest Cocks on G.E. Engines	Full size details of existing and two proposed versions	- .11.29	1929	-	-	PT	D 068	-
29117	Engines Type D15-Blast Pipe	6" to 1' elevation, section and plan of blast pipe Endorsed: one to made for trial; superseded by Dg No 30630	- .11.29	1929	-	D15	PT	D 036	-

29118 Att	D15 Type Engine Fitted with Chimney to Dg No 1-254N-Smokebox Union for Vacuum and Westinghouse Exhausts	Full size elevations of cast iron union	10.1.30	1930	-	D15	PT	D 036	-
29145	Alterations Necessary to Brake Hangers to Obtain 4'-11 3/8" Brake Block Centres	Unscaled details of alteration for GE section engines fitted with standard brake blocks	- .6.30	1930	-	-	PT	D 042	-
29147	Arrangement & Details of Trip Cock Gear	1 1/2" to 1' arrangement and 3" to 1' and full size details of two tripcocks at trailing end Endorsed: superseded by Dg No 36296, 2.47; for trip cock details see Dg No 28862; for casing and arrangement of trip cock, see Dg No 28580	14.12.29	1929	R24R S56	J69	PT	D 033	-
29149	Steel Axles	3" to 1' elevation of 7'2 1/2" axle for class S23 My comment: stores ordering drawing	- .12.29	1929	S23	-	PT	D 035	-
29150	Cast Steel Valve for Condensing Gear	Full size elevation, section and plan of valve My comment: possibly ordering drawing for casting Copy of Dg No N7-179N	- .12.29	1929	-	N7	PT	D 055	-
29151	Diagram for Ascertaining the Maximum Wear to be Allowed on Engine and Tender Tyre Flanges	Full size diagram showing seven different dimensions	11.12.29	1929	-	-	PT	D 007	-
29161	Engines Type D15-Alteration to Balance Weight of Driving Wheels with Oval Crank Webs	6" to 1' quarter elevation of wheel showing alteration to weight and section Endorsed: altered 18.2.30	14.1.30	1930	-	D15	PT	D 007	-
29164	0.6.2 Tank Engines, Type N7-(Doncaster Built)	Full size elevation, section and plan of injector steam and delivery valve spindle Copy of part of Dg No J220N	6.1.30	1930	-	N7	PT	D 007	-
29165	B17 Type Engines-Intermediate Axlebox Guides	6" to 1' elevation, section and plan of hornblock My comment: probably for ordering steel castings Copy of North British Locomotive Co. drawing	3.1.30	1930	-	B17	PT	D 007	-
29168	Engines Type E4-Blast Pipe	6" to 1' section, elevation and plan of blastpipe Endorsed: altered height of blastpipe reduced from 3'1" to 2' 8 1/4" 2.48	11.1.30	1930	-	E4	PT	D 007	-
29168 Att	Sketch Showing Method of Reducing Height of Existing Blastpipe	6" to 1' section, elevation and plan showing reduction in height	21.4.48	1948	-	E4	PT	D 007	-
29169	Engines Type J15-Blast pipe	Full size sections, elevations and plan of pipe	10.1.30	1930	-	J15	PT	D 074	-
29218	Trailing Sand Box Gear Details	Full size details of levers, spindles and brackets for sandboxes under footplate Endorsed: for arrangement, see Dg No 31255; for sand gear details, see Dg No 35405, 11.44 My comment: probably a new type of gear for sandboxes in the cab	- .1.30	1930	C72 R24R S56	J68 J69	PT	D 068	-
29220	0-6-0 Tank Engines Types J68 and J69-Arrangement of Sanding Gear	1 1/2" to 1' arrangement shown on outline elevations and plan of engine Endorsed: altered 11.44	- .1.30	1930	-	J68 J69	PT	D 070	-
29220 Att	Rearrangement of Trailing Sanding Gear	1 1/2" to 1' arrangement of gear shown in relation to part elevations and plan of rear of engine	- .9.43	1943	-	J66 J67 J68 J69	PT	D 073	-

29221 Att	Engines Class N7-Covers for Blower Handles	Full size details of cover made of "Tufnol"	20.4.38	1938	-	N7	PT	D 007	-
29227	Sentinel Locomotives for Wisbech Tramway-Profile of Tread of Tyres	Full size section of tyre only	17.1.30	1930	-	Y10	PT	D 007	-
29236	Steel Axles	3" to 1' side elevation of intermediate axle My comment: see Dg No 20810 for F4, 27.2.31	30.1.30	1930	G69	F6	PT	D 009	-
29238	4.6.0 Engines-Type B17-Proposed Method of Patching Frame at Intermediate Axle	6" to 1' details of patch for existing engines only	- .1.30	1930	-	B17	PT	D 007	-
29246	Indicating Gear-Engines Class S69	3" to 1' details of gear, using D56 parts My comment: shows top of frame for Nos. 8571 to 8580 2" higher	- .1.30	1930	S69	B12	PT	D 068	-
29249	Frame Stiffening Plate at Intermediate Axle	6" to 1' details of patch plate 1" thick Endorsed: these patches were fitted and then condemned. For new patches see Drg 29714 Jan 1931; for engine Nos. 2800-2809 only	- .2.30	1930	-	B17	PT	D 068	-
29251	Arrangement of Vacuum Exhaust and Drain-J39 1928, 29 & 30 Build	1½" to 1' outline elevation of cab and boiler and half section and position of equipment and full size details Endorsed: superseded by Dg No 29823,3.31; for straight casting for exhaust pipe, see Dg No 26155; for elbow casting, see Dg No 26842 Copy of Darlington Dg No 13887D	31.1.30	1930	-	J39	PT	D 013	-
29252	Axlebox Guides (Intermediate)	6" to 1' elevation, section and plan of guide My comment: for engine Nos. 2800-2809 only	- .2.30	1930	-	B17	PT	D 068	-
29252 Part	Axlebox Guides (Intermediate)	6" to 1' elevation, section and plan of guide My comment: for engine Nos. 2800-2809 only My comment: Stores Ordering drawing	- .2.30	1930	-	B17	PT	D 068	-
29257	Firebox Dimensions of all Classes of Engines in Southern Area	Unscaled table for all ex GER classes and B17 Copy of LRD 254, print received -.1.30	- .2.30	1930	-	-	PT	D 076	-
29265	Steel Forgings for Crank Axle Webs Type B12	3" to 1' elevation, section and plan of two forgings My comment: Stores Ordering drawing	15.2.30	1930	S69	B12	PT	D 089	-
29286	Arrangement of Gear for Applying Steam & Vacuum Brakes on Sentinel Loco No 198	3" to 1' elevation and plan of ejector and gear attached to boiler Endorsed: for arrangement of pipes see Dg No 29287	-	1930	-	Y3	PT	D 033	-
29291	Experimental Blast Pipe	6" to 1' section and plan of blast pipe My comment: appears to have cap which can be machined to give 4"- 5½" diameter opening	- .3.30	1930	-	N7	PT	D 012	-
29294	Sketch showing Proposed Alteration to Vacuum Ejector Steam Pipe and Reducing Valve	1½" to 1' details of alteration for six-cylinder Sentinel railcar Endorsed: "Proposed" in title deleted and date inserted Copy of Darlington Dg No 13946-D	27.2.30	1930	-	-	PT	D 001	-
29312	Eccentric Rods & Straps	Full size arrangement of assembly Endorsed: for arrangement of motion, see Dg No 29311; for eccentric sheaves, see Dg No 15908 Traced from part of Dg No 6164 and Dg No 8503	- .3.30	1930	T18 R24 C72 S56	J66 J67 J68 J69	PT	D 012	-
29313	Adaptors for Standard Oil Cup Covers-(Connecting Rods, Coupling Rods & Eccentric Straps)	Full size details of five types of adaptors for various GE Section classes Endorsed: for adaptors for GN and GC section engines, see Dg No 29278	- .3.30	1930	-	-	PT	D 014	-



29314	Engine and Tender Tyres-Full Flange Contour	Full size section and dimensions of tyre	27.3.30	1930	-	-	PT	D 014	-
29316	Alteration to Crosshead Oilbox Studs	Full size sectional view and detail of stud Endorsed: reference to N7 erased on drawing	- .3.30	1930	L77	N7	PT	D 014	-
29319	Engines Type D13-Alteration to Driving Wheel Balance Weight	6" to 1' quarter side elevation of 6'6" dia wheel with section of rim	1.4.30	1930	-	D13	PT	D 031	-
29333	Model Link Motion-Details of Trial of Valve Gear with Long Valve Travel	6" to 1' details of five components	- .4.30	1930	S69	B12	PT	D 037	-
29340	Engines Type J69-Ashpan Details	3" to 1' and full size details of 14 components	16.5.30	1930	-	J69	PT	D 013	-
29340 Part	Engines Type J69-Split Cotter for Ashpan	Full size elevation and plan of cotter	28.3.33	1933	R24R S56	J69	PT	D 013	-
29341 -1-8	Asbestos Millboard	1 1/2" to 1' elevations of millboard for boiler backplates:- 1. J69 – diagram 37 boiler 2. D13 – diagram 29 boiler 3. F6 – diagram 34 boiler 4. Y4 – diagram 40 boiler 5. B12 – diagram 25 boiler 6. D15 – diagram 27 boiler 7. D16 – diagram 26 boiler 8. J17 and J18 – diagram 27 boiler (sic) My comment: Stores Ordering drawing	13.5.30	1930	R24R S56 T19 G69 B74 B77 S69 D56 H88 G58 E72	J69 D13 F6 Y4 B12 D15 D16 J17 J18	PT	D 035	-
29341 -9-10	Asbestos Millboard Sheets	1 1/2" to 1' elevations of millboard for backplate insulation, 3/8" thick: - 9. J20 10. N7 My comment: Stores Ordering drawing	- .5.30	1930	D81 L77	J20 N7	PT	D 042	-
29342	Body Casting-Proportional Steam Brake Application Valve	Full size detailed arrangement	- .4.30	1930	-	-	PT	D 072	-
29346	4.6.4 H. P. Engine No 10,000-Duplex Cut-Off Indicator	Full size dial template to suit altered valve gearing Endorsed: for cam and profile gauges, see Dg no 29348; supersedes Dg No 29304	- .4.30	1930	-	W1	PT	D 025	-
29348	4.6.4 H. p. Engine No 10000-Duplex Cut-Off Indicator	Full size and twice full size details of cam to suit altered valve gearing Endorsed: altered 1.5.30; for calculations and graph, see Dg Nos 29353, 29354 and 29350-2	- .4.30	1930	-	W1	PT	D 027	-
29353	4-6-4 H P Engine No 10,000-Calculations for the Development of Cam of Duplex Cut-off Indicator	Diagrammatic calculations My comment: for profile gauges, see Dg No 29348	19.5.30	1930	-	W1	PT	D 025	-
29354	4.6.4 H. P. Engine No 10,000- Calculations for the Development of Cam of Duplex Cut-off Indicator	Diagrammatic calculations My comment: for profile gauges, see Dg No 29348	- .5.30	1930	-	W1	PT	D 025	-
29400	Proposed 0-8-0 Engine on a 4 Chain Curve	1 1/2" to 1' plan of wheelbase, engine to Dg No 29373-E My comment: wheelbase: 6'0" + 5'6" + 5'6" + 7'10"	- .5.30	1930	-	-	PT	D 044	-
29401	Cast Steel Wheels	3" to 1' elevation, section and plan of castings showing elevation and sections of ten-spoke, 'passenger', cast steel, leading and trailing	29.5.30	1930	T18 R24	J66 J67	PT	D 014	-

		and driving wheels Endorsed: supersedes Dg No 7714 Part My comment: Stores Ordering drawing			C72 S56	J68 J69			
29406	Steel Tube	Unscaled sketch of 2" O.D. boiler tube My comment: possibly ordering drawing for tubes Copy of Darlington Dg No 4748D	- .5.30	1930	-	-	PT	D 060	-
29409	Hind Sandbox	3" to 1' elevation, section and plan of sandbox Endorsed: this supersedes North British Locomotive Co. Dg No 191	- .6.30	1930	-	B17	PT	D 068	-
29410	Steel Forgings for Built-Up Crank Axle	3" to 1' elevation, section and plan of forgings of crank webs Endorsed: see Doncaster Dg No T-153-3N My comment: Stores Ordering drawing	- .6.30	1930	-	B17	PT	D 068	-
29417	Engines D15 Type-Proposed Cast Iron Petticoat fitted to Existing Cast Iron Chimney	1½" to 1' sectional elevation of smokebox Endorsed: for shop drawing, see Dg No 29422	- .6.30	1930	D56	D15	PT	D 009	-
29421	Alteration to Position of Gauges on Cab Front Plate	3" to 1' elevation of spectacle plate showing old and new positions of gauges My comment: for engines built at Doncaster	- .6.30	1930	-	N7/3	PT	D 036	-
29422	Engine Type D15-Cast Iron Petticoat to fit Existing Chimney	6" to 1' plan and side elevation showing chimney profile Endorsed: altered to red, -.7.30; for chimney, see Dg No 23579	- .6.30	1930	D56	D15	PT	D 008	-
29424 Part	Machining Jig for B17 Class Axleboxes	Full size sectional elevation of jig	- .6.30	1930	-	B17	PT	D 004	-
29426	4-6-0 Express Engines Type B12-Piston Valve Head with Ring Control of Steam and Alteration to Valve Bush to Suit	Full size sections of valve head Endorsed: for additional information see Dg No 28080	9.7.30	1930	-	B12	PT	D 011	-
29427	Superheater Engines Type B17-Steel Steam Pipes to be in accordance with LNER Specification No 20	3" to 1' details of three sets of pipes	3.7.30	1930	-	B17	PT	D 008	-
29431	4-6-0 Engines B12 Type (S69)-Arrangement of Ash Ejector	3" to 1' arrangement and full size details Endorsed: five engines to be fitted for N. Scottish area	14.7.30	1930	S69	B12	PT	D 089	-
29432	Eng. No 8525-L. B. Exhaust Valve	Full size details for Lentz valve gear	- .7.30	1930	S69	B12	TP	D 053	-
29433	Comparative Valve Readings-Proposed 'Long Travel' Valve Gears	Unscaled tables of forward valve gear, showing readings, existing and proposed; four proposals, 0 to -3/16" exhaust lap	- .7.30	1930	S69	B12	PT	D 052	-
29433 -I	Comparative Valve Readings-Proposed 'Long Travel' Valve Gears	Unscaled table of valve gear for one proposal, 0 exhaust lap	- .7.30	1930	S69	B12	PT	D 052	-
29436	Bogie Bearing Spring	Full size elevation and plan of spring Endorsed: same as Darlington Dg No 12543D Copy of Timmis & Sons Dg No T-5093, and part copy of Darlington Dg No 13330D	- .4.30	1930	-	B17	PT	D 053	-
29438	Copper Joint Rings for Piston Valve Bushes	Full size elevation, section and plan of rings My comment: also shows copper-asbestos washers for 'Schmidt' superheater elements	- .7.30	1930	S69 L77	B12 N7	PT	D 046	-
29439	Cast Steel Brackets for Motion Plate & Alteration to Web of Motion Plate. At Slide Bar Support	6" to 1' elevation and plan of bracket and full size details My comment: for engine No 8559, with long valve travel	- .11.30	1930	S69	B12	PT	D 049	-
29439 -I	Cast Steel Brackets for Motion Plate	Full size elevation, section and plan of castings, to suit engine with long valve travel	- .8.30	1930	S69	B12	PT	D 049	-

		My comment: Stores Ordering drawing							
29494 Part	Machining Jig for B17 Class Axleboxes	Full size sectioned elevation of jig	- .8.30	1930	-	B17	PT	D 004	-
29497	Blast Pipe for B12 Type Engines fitted with ACFI Integral Feed Water Heaters	6" to 1' sections and plan of blast pipe My comment: SDO Dg No 8872; for B12 engines with extended smokebox, see Dg No 30227 Copy of ACFI Dg No 13062, by adaptation	- .7.30	1930	S69	B12	PT	D 054	-
29500	Engine Type B12-Long Travel Valve Motion-Rocking Lever	Full size arrangement of lever Endorsed: altered 27.11.30	1.8.30	1930	S69	B12	PT	D 089	-
29518	Arrangement of Pipes for ACFI Feed Water Heater	1" to 1' outline of engine showing piping etc	- .8.30	1930	-	B12	PT	D 045	-
29518 -I	Arrangement of Pipes for ACFI Feed Water Heater	1" to 1' elevation, section and plan of pipe arrangement My comment: as Dg No 29518, but with small alterations to piping	- .5.35	1935	S69	B12	PT	D 045	-
29519	Fusible Plug for Boiler	Full size details of plug for Sentinel and Clayton steam rail coaches and for Sentinel locomotives Copy of Darlington Dg No 14100.D	5.8.30	1930	-	Y1 Y3	PT	D 025	-
29522	Oilbox for Bogie Axleboxes	Full size elevation, section and plan of oilbox attached to spring beams	- .8.30	1930	S69	B12	PT	D 058	-
29523	Sketch showing Possible Water Drain Pipe from Brake Steam Pipe to Boiler-Steam & Vacuum Fitted Engines	1½" to 1' cross-section through cab, view on backhead	- .8.30	1930	S56 R24R	J69	PT	D 044	-
29524	Two-Part Piston Valve Bushing and Alteration to Cylinders to Suit. Long-Travel Motion, Loco No 8559	Full size elevation, section and plan and development of valve bushing Endorsed: for valve bushing, engines with long travel valve gear and long slot back set expansion link with new cylinders, see Dg No 30217; for valve bushing, engines with long travel valve gear and long slot back set expansion link with old cylinders, see Dg No 31073; for new cylinders, see Dg No 29864; for old cylinders, see Dg No 17223	- .8.30	1930	S69	B12	PT	D 036	-
29526	Diagram showing Engine on a 4 Chains Curve	1½" to 1' plan of N7 on curve, with wheel dimensions	- .8.30	1930	-	N7	PT	D 063	-
29527	0-6-0 Tram Engines J70 Type (C53)-Proposed Additional Water Tank & C.I. Buffer-Beam	1½" to 1' scrap side, end and plan views of engine frame end and buffer-beam	- .8.30	1930	C53	J70	PT	D 001	-
29530	A.C.F.I. Integral Feed Water Heater-Bends for Main Exhaust Steam Supply Pipe	6" to 1' elevation and plan of two elbows, gland and gland stud My comment: SDO Dg No 8907E	- .8.30	1930	S69	B12	PT	D 037	-
29531	0-6-0 Tank Engines Type J69-Westinghouse Brake Gear Details	3" to 1' details of 36 components Endorsed: for reservoir, see Dg No 7950; for amended details, see Dg No 31326; for brake shaft release spring, see Dg No 21590; supersedes Dg No 7725	- .8.30	1930	S56 R24R	J69	PT	D 026	-
29532	Proportional Steam Brake Application Valve	Full size arrangement and details of valve	-	1930	-	-	PT	D 026	-
29534	Bogie Control Springs	Full size elevation, section and plan of springs. My comment: 1'4" 'free'; 9¼" 'home' My comment: Stores Ordering drawing	- .8.30	1930	-	B17	PT	D 063	-
29535	Sketch showing Space Available between the Steam	3" to 1' details	- .8.30	1930	-	N7	PT	D	-

	Brake Flange on a Vacuum Ejector and Adjacent Fittings on Type N7							049	
29536	Piston Valve & Valve Spindle (with Narrow Rings & 'Ring Control' of Steam)	Full size elevation, section and plan for engine 8559 with long valve travel (unequal rocking shaft arms)	- .8.30	1930	S69	B12	PT	D 051	-
29537	Steel Flanges for ACFI Feed Water Heater Pipes	6" to 1' elevations and plan showing 16 types of flange	- .10.30	1930	S69	B12	PT	D 077	-
29538	Proposed Alteration to Axlebox Lubricating System	Full size details for driving and trailing axleboxes only Endorsed: for locomotives Nos 8571 – 8580	- .8.30	1930	S69	B12	PT	D 049	-
29547	Engines-Type T1-Rearrangement of Axlebox Lubrication-Coupled Wheels	1½" to 1' part side elevation and plan of re-arrangement and full size details Endorsed: for four feed axlebox see Dg No 29548	- .8.30	1930	-	T1	PT	D 083	-
29548	4.8.0 Engines Type T1-Four Feed Oilbox for Coupled Wheels	Full size elevation, section and plan of oilbox Endorsed: for lubrication arrangement see Dg No 29547	- .9.30	1930	-	T1	PT	D 028	-
29552	Oiler Pad No 1046B-B17 Tender Axlebox	Full size elevation, section and plan of oiler pad Copy of Darlington Dg No 14054D	- .8.30	1930	-	B17	PT	D 054	-
29563	Back Plate for Gauge Glass Protectors	Full size details of protectors	- .9.30	1930	-	-	PT	D 060	-
29564	Steel Forgings for Spring Buckles	Full size elevation, section and plan of forgings of 'Standard tender' spring buckles Endorsed: for tender spring buckle see Dg No 7858 My comment: Stores Ordering drawing	5.9.30	1930	-	-	PT	D 039	-
29565	Pipe Schedules for Engines with ACFI Feed Water Heaters, B12 Class	Unscaled pipe schedules on 3 sheets: 1: steel pipes and fittings; 2: copper pipes, superseded by 3; sheet 3: copper pipes	- .9.30	1930	S69	B12	PT	D 005	-
29566	Back Valve Chest Cover-Long Travel Motion	Full size plan and section of cover for locomotive with long travel valves Endorsed: see Dg No 17259 for valve chest cover stud	- .9.30	1930	S69	B12	PT	D 005	-
29570	Engines type J69-Steam Brake Details	3" to 1' details of 26 components Endorsed: for new cotters see Dg No 31326 13.7.33; for detail of brake pull rod trailing, etc., see Dg No 29531; for brake shaft release spring, see Dg No 21590; for hand brake screw rod nut, see Dg No 6205; for new cross beams see Dg No 36976 28.8.48	- .9.30	1930	S56 R24R	J69	PT	D 081	-
29572	Six Wheels Coupled Express Engines Type B12-Trailing Axlebox Arrangement	6" to 1' elevation, section and plan of axlebox Endorsed: amended 11.34; this axlebox incorporated into Dg No 19906 Renewal 10.52	27.9.30	1930	S69	B12	PT	D 089	-
29577	Steel Plate Cab Roof	1½" to 1' arrangement of steel roof substitute of 1/8" plate for wooden roof, but with similar contour and fixing and full size details shown on outline of cab. Ventilator and cut-out at back Endorsed: marked one engine; ventilator altered 9.33	- .9.30	1930	S69	B12	PT	D 070	-
29581	Sketch showing Part of Horizontal Frame Stay Removed and New Means for Securing the Westinghouse Reservoirs	1" and 3" to 1' elevation and plan on complete frame	- .9.30	1930	-	B17	PT	D 062	-
29582	Detail of Joint Plate for New Half Frame	1½" and 3" to 1' details for jointing new rear half frame plates. My comment: frames apparently welded, with large riveted patch plate	- .9.30	1930	-	B17	PT	D 062	-
29620	Engines Type J70-Packing Gland for Sandbox Spindle	Full size details of gland	19.9.30	1930	C53	J70	PT	D	-

		My comment: drawing originally attached to Dg No 13527						013	
29622	4.6.0 Express Engine Type B12-Long Valve Travel Motion Slide Block for Valve Spindle Crosshead	Full size elevation, section and plan of slide block Endorsed: altered to red, 9.11.31	2.10.30	1930	S69	B12	PT	D 009	-
29623	4.6.0 Engines Type B17-Bracket for Intermediate Axlebox Oil Feed Guide	6" to 1' elevation, section and plan of bracket Endorsed: for engines fitted with half frames to Dg No 29582	4.10.30	1930	-	B17	PT	D 013	-
29625	Westinghouse Brake Cylinder & Piston-Alterations Necessary for Conversion to Steam Brake Working	Full size details of piston altered with bronze adaptor for piston rings. 1'1" diameter My comment: if this alteration was made, it was probably for J67, J68, J69 converted from Westinghouse to steam brake	- .10.30	1930	-	-	PT	D 072	-
29626	Cast Steel Engine Wheels	3" to 1' elevations and sections shown of two wheels-driving and leading and trailing My comment: Stores Ordering drawing	13.10.30	1930	F48 G58	J16 J17	PT	D 014	-
29627	11" Dia. Vertical Steam Brake Cylinder	Full size detailed arrangement of piston and cylinder Copy of Darlington Dg No 10461-D/I, -.8.30	- .10.30	1930	-	N11 J38 J39 K3	PT	D 044	-
29628	Method of Securing Coupling Rod Joint Pins	Full size details of component Copy of Darlington Dg No 14187-D	24.9.30	1930	-	J38 J39	PT	D 014	-
29630	Spring Loaded Valve	Full size details of brass spring in GER standard whistle Endorsed: whistle to Dg No 5935 My comment: is spring used to help shut valve?	- .9.32	1932	-	-	PT	D 077	-
29630 -I	Spring for GE Type Engine Whistle	Twice full size elevation and plan of spring My comment: probably ordering drawing for spring, which is the same as that shown in Dg No 29630	- .10.32	1932	-	-	PT	D 077	-
29642	5'6" Dia. Boiler B12 Type Engs.	1½" to 1' elevations, sections and plan of boiler and table of other relevant drawings Endorsed: several amendments	- .10.30	1930	S69	B12	PT	D 089	-
29642 Att	Type B12 Engines-Position of Inspection Doors in 5'6" Dia. Boiler	1½" to 1' details of inspection doors Endorsed: for inspection door, covers & pocket, see Dg No 31643; for seating pad for inspection door, see Dg No 31646	15.5.34	1934	S69	B12	PT	D 011	-
29642 Att	Dome & Stiffening Plate for Future Boilers	3" to 1' elevation, section and plan of dome My comment: dome cover & ring identical with J39 type	- .9.53	1953	-	B12/3	PT	D 019	29 64 3
29643	8½" and 9" Diameter Vertical Steam Brake Cylinder for Engines & Tenders	Full size sectional elevation and plan of cylinder My comment: superseded by Dg No 29867 (14474D), -.4.31 Copy of Darlington Dg No 11128/I D	- .9.30	1930	-	-	PT	D 035	-
29646	Sketch showing Shortened Roofbar Nipple and Altered Roof Bolt	Full size sketch showing roofbar nipple cutback 1½"	- .10.30	1930	Y14	J15	PT	D 075	-
29647	Standard Crosshead	Full size elevation, section and plan of crosshead for engine types Endorsed: numerous amendments; this Dg supersedes Dg No 16407	- .10.30	1930	T19 S46 D56 H88 T26 C32 M15	D13 D14 D15 D16 E4 F3 F4	PT	D 089	-

					M15R G69 Y65 S44 Y14 F48 G58 T18 R24 C72 S56 R24R	F5 F6 F7 G4 J15 J16 J17 J66 J67 J68 J69			
29657	Engines B12 Type with 5'6" Dia. Boiler-Foundation Ring	1½" to 1' elevation and plan of ring and full size corner details Endorsed: altered to red 13.4.32 and 18.7.33	- .11.30	1930	-	B12/3	PT	D 029	-
29659	Engines Type B12 with ACFI Feed Water Heater-Spring Support for Strainer	Full size details of spring support My comment: dimensions in mm	14.11.30	1930	S69	B12	PT	D 006	-
29662	13In Westinghouse Brake Cylinder, Lead Piston Ring and Fixings	Full size elevation and plan of ring Endorsed: 1 engine for trial	24.11.30	1930	-	-	PT	D 072	-
29663	Lubricating System for Intermediate Axleboxes	Full size arrangement of lubrication My comment: oil feed introduced via inside flange of axlebox	- .11.30	1930	S69	B12	PT	D 043	-
29664	Proposed Draw Allowances for Crosshead Cotters	Full size sketch of piston and crosshead, showing 1/16" draw	- .11.30	1930	-	B17	PT	D 068	-
29666	Boilers for Engines Types E4, J15, F3-Details for Fireboxes with Direct Stays	Full size details of steel components-long stays, mud plug bases, safety valve base, 'T' stays, etc.	- .3.31	1931	T26 Y14 C32	E4 J15 F3	PT	D 075	-
29668	Steel Forgings for Foundation Rings	1½" to 1' elevation, section and plan of forgings Endorsed: cancelled see 33484 30.10.37 My comment: Stores Ordering drawing	- .12.30	1930	-	B12/3	PT	D 068	-
29669	Spring for Coupled Wheels	3" to 1' details of spring Endorsed: superseded, see Dg No 34495 Copy of part of Darlington Dg No 13201-D	- .12.30	1930	-	B17	PT	D 066	-
29670	Injector Water Receiver	Full size details of receiver My comment: feed discharged into large 5" diameter pipe <u>across</u> boiler with holes in top, similar to top feed; appears to be both sides, into common tube. Provision for cleaning.	- .1.31	1931	D81	J20	PT	D 056	-
29671	Trip Cock Gear on Engs. F5, J69-Sketch showing Position of Trigger Arms in Relation to Loading Gauge	1½" to 1' cross-section of gear	- .12.30	1930	M15R S56 R24R	F5 J69	PT	D 081	-
29672	5 Sets of Steel Boiler Plates	Unscaled plans of plates Endorsed: for B12/3 5'6" boiler, reference LM 7713 My comment: Stores Ordering drawing	- .12.30	1930	-	B12/3	PT	D 057	-
29673	Steel Boiler Angle Rings	Unscaled plans of rings Endorsed: for 5'6" diameter boiler My comment: Stores Ordering drawing	- .12.30	1930	-	B12/3	PT	D 057	-
29675	5 Sets of Boiler Angles, Tees & Flats	Unscaled details of components	- .12.30	1930	-	B12/3	PT	D	-

		Endorsed: for 5'6" diameter boiler, reference LM 7713 My comment: Stores Ordering drawing						057	
29676	LNER Engines GE Section-Straight Axle Journals	Unscaled table of dimensions for ex-GERy engine classes 'present practice'	24.12.30	1930	-	-	PT	D 089	-
29677	Cast Steel Driving and Trailing Wheels	3" to 1' elevation, section and plan of steel castings My comment: Stores Ordering drawing	19.12.30	1930	T19	D13	PT	D 009	-
29678 Part	Proposed Alteration to Section of Wheel Rim	Full size details of rim	19.12.30	1930	D56 H88	D15 D16	TI	D 040	-
29679	LNER Engines GE Section-Crank Axle Journals	Unscaled table of dimensions for ex-GERy engine classes 'present practice'	24.12.30	1930	-	-	PT	D 089	-
29710	Steel Forgings for Brake Shaft Hanger Brackets to LNER Specification No 11 Class B	3" to 1' elevation and plan of forging My comment: position of component unclear, assumed to be for carriage stock	23.12.30	1930	-	-	PT	D 087	-
29712	B12 Type Engines with 5'6" Dia. Boiler-Firebox Roof Stays	3" to 1' and full size arrangement and table of lengths	29.1.31	1931	S69	B12	PT	D 089	-
29713	D16 Type Engine-New Cylinders with O/Head Piston Valves 8" Dia. And 6 1/16" Stroke Replacing Cylinders with Underhung Slide Valves and 3 7/16" Stroke	1 1/2" to 1' elevation, section and plan of proposals for D16 piston valve rebuild, retaining existing motion, air reverse, and Belpaire H88 boiler My comment: drawn by V.N., very good outline side elevation, etc., of basic H88 with top feed	- .12.30	1930	H88	D16	PT	D 087	-
29714	4.6.0 Engines Type B17-(Nos. 2800 – 2809 only)-Frame Stiffening Plate at Intermediate Axle	6" to 1' details of frame stiffening plate Endorsed: for oil pipe to axle, see Dg No 28767	2.1.31	1931	-	B17	PT	D 029	-
29718	Express Engines Type B12-Brackets and Pipe Clips for A.C.F.I Feed Water Heater Gear	6" to 1' details of numerous components	- .5.31	1931	-	B12	PT	D 047	-
29721	Proposed Boiler (5'-1 1/8" Dia.)-Sketch showing Steel Plates Sizes	1/4" to 1' outline sketch of plate sizes My comment: boiler to Dg No 29803	- .1.31	1931	-	-	PT	D 069	-
29723	Particulars of Main Pistons and Rings	Unscaled table of GERy engine types with dimensions of cylinders, piston heads, rings and grooves My comment: reference to drawings of pistons and rings, that is: Class B12 and J20 Dg No 17229 Class D15 and D16 Dg No 17536 Class D14, D15, J16 and J17 Dg No 10936 Class N7 (K89) Dg No 19226 Att Class N7 Dg No 26859 Class F7 Dg No 16652 Class D13 Super 25" stroke Dg No 18939 Class E4 and F3 Dg No 14993 Class F4, F5, F6, J15 and G4 Dg No 8666 Class J66, J67, J68 and J69 Dg No 7126 Class J65 Dg No 7711	6.1.31	1931	-	-	PT	D 014	-
29724	B12 Type Engines with 5'6" Dia. Boiler-Mud Plug Seating (Back End)	Full size details of seating	29.1.31	1931	S69	B12	PT	D 014	-
29725	B12 Engines with 5'6" Diameter Boiler-Expansion Bracket, Frame and Boiler Stay	6" to 1' elevations and plans of components Endorsed: altered 10.38 and 23.4.41	19.6.31	1931	-	B12	PT	D 014	-

29725 Part	Cast Steel Brackets for Frame and Boiler Stay	Full size elevation, section and plan of brackets for engines with 5'6" diameter boiler	30.6.31	1931	S69	B12	PT	D 013	-
29727	B17 Type Engines-Part Copy Dg No 13327D showing ½" Tapped Extractor Hole in Brake Hanger Fulcrum Pin	6" to 1' details Copy of part of Darlington Dg No 13327 D	24.1.31	1931	-	B17	PT	D 013	-
29728	Sketch of B17 Brake Hanger	6" to 1' details of hanger	- .1.31	1931	-	B17	PT	D 066	-
29729	Steam Brake Valve	Full size elevation, sections and plans of valve and components Endorsed: altered 26,2,34	- .6.31	1931	-	-	PT	D 013	-
29731 -1-5	Express Engines Type B12-5'6" Boiler (Material Sheets)	Unscaled ordering lists for materials on 5 sheets: ashpan; cab; splashers; smokebox; cleading all to LM 423 My comment: Stores Ordering drawing	- .1.31	1931	S69	B12	PT	D 053	-
29733	Superheater Steel Smoke tube	Full size details of tube Endorsed: for 5'6" diameter boiler My comment: Stores Ordering drawing	- .2.31	1931	-	B12/3	PT	D 054	-
29734	Superheater Element Support & Clip	Full size elevations and details Endorsed: drawn from a pattern made to Mr. Baister's requirements; see Dg No 29726 for existing standards	- .2.31	1931	-	-	PT	D 018	-
29735	Steel Tubes for B12 Type with 5'6" Dia Boiler	3" to 1' drawing of tubes with 2" outside diameter	4.2.31	1931	S69	B12	PT	D 021	-
29736	Particulars of Diameters of Engine and Tender Axle Journals	Unscaled details of new and minimum diameters and static bearing pressures for all GERY classes	- .3.31	1931	-	-	PT	D 059	-
29737	5'6" Diar Boiler (Type B12)-Main Steam Pipe Cone	Full size section of cone	- .2.31	1931	-	B12	PT	D 068	-
29739	Eccentric Sheaves and Straps with ½" Wide Rabbet and Felt Oiling Pads	Full size elevation, section and plan of sheaves and straps Endorsed: see letter to Loco Running Supt Liv. St. of 8.12.30 Ref. M213/233	- .2.31	1931	Y14	J15	PT	D 048	-
29803 Att	Engines Types D14, 15, 16, J17, 18, 19-Position of Inspection Doors in Round Top Boiler	1½" to 1' elevation and plan of doors My comment: drawing badly water stained	15.5.34	1934	-	D14 D15 D16 J16 J17 J18 J19	PT	D 049	-
29803 Part	Part Section Through Copper Firebox. ("D & J") 5'1 1/8" Dia. Boiler	6" to 1' sectional elevation of firebox	- .1.32	1932	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 053	-
29806	5'6" Dia. Boiler Type B12-Internal Steam Pipe	3" to 1' and full size details My note: drawing badly water stained, some detail lost	- .2.31	1931	S69	B12	PT	D 089	-
29807 Att	Modified Grate Arrangement	3" to 1' cross-section of firebars, etc.	- .3.33	1933	-	B12/3	PT	D 065	-



29808	4-6-0 Engines Type B12 with 5' 6" Dia. Boiler-Superheater Header	3" to 1' elevations and sections of header with full size details of plugs and components	- .5.31	1931	-	B12	BT	D 089	-
29810	Steel Axles	3" to 1' elevation, section and plan of forgings of intermediate axle My comment: Stores Ordering drawing	- .3.31	1931	M15	F4	PT	D 081	-
29811	Engs Type B12 for Scotland-Arrangement of Tablet Exchange Apparatus and Doors between Engine & Tender	3" to 1' detailed arrangement of apparatus	- .3.31	1931	S69	B12	PT	D 065	-
29812	Springs for Slide Valve	Full size details of three springs My comment: 11 I.W.G. springs with five effective coils, all of 1 1/16" diameter with free lengths of 1"; 1 1/4"; 1 1/2" for engines with balanced slide valves	- .3.31	1931	-	-	PT	D 038	-
29817	Steel Forgings for Rocking Levers	3" to 1' elevation, section and plan of forgings Endorsed: to suit engines with long valve travel My comment: Stores Ordering drawing	- .3.31	1931	S69	B12	PT	D 041	-
29818	Steel Boiler Plate Lists	Unscaled lists on three sheets for steel boiler plates: 15 sets for class F6 15 sets for classes E4; F3; J15 Five sets for class J69	- .3.31	1931	G69 T26 C32 Y14 S56 R24R	F6 E4 F3 J15 J69	PT	D 050	-
29820	Connecting Rod	Full size elevation, section and plan of rod and big-end detail Copy of Darlington Dg No 14423D	- .3.31	1931	-	J38 J39	PT	D 084	-
29821	Protector for Firehole	Full size details of protectors for various LNER built classes, including J38 and J39 Copy of Darlington Dg No 14067-D	7.1.31	1931	-	-	PT	D 010	-
29822	Firehole & Riveting	Full size details of firehole Copy of Darlington Dg No 14092D	- .3.31	1931	-	D49/1 D49/2 D49/3 C7 D24 J23 J28 J38 J39	PT	D 062	-
29823	Arrangement of Vacuum Exhaust & Drain	1 1/2" to 1' outline of engine with vacuum exhaust Copy of Darlington Dg No 13887/1-D	- .3.31	1931	-	J39	PT	D 068	-
29826 -1-2	Steel Boiler Angle Rings	Unscaled-two ordering drawings on one sheet; Dg No 29826-1 for 4'1" diameter boiler to suit F6; J66; J69; J92; Y4 Dg No 29826-2 for 4'3" diameter boiler to suit E4 My comment: Stores Ordering drawing	- .3.31	1931	T26 G69 T18 S56 R24R	E4 F6 J66 J69 J92 Y4	PT	D 065	-
29826 -2	Steel Boiler Angle Rings	Unscaled elevation, section and plan of angle rings Endorsed: original tracing lost, renewed 11.6.41 My comment: Stores Ordering drawing	- .6.41	1941	T26	E4	PT	D 071	-

29826-3	Steel Boiler Angle Rings	Unscaled elevation, section and plan of angle rings My comment: Stores Ordering drawing	- .1.32	1932	Y65	F7	PT	D 071	-
29828	11" Dia. Vertical Steam Brake Cylinder	Full size elevation, section and plan of brake cylinder Endorsed: to suit LNERy engines; altered 4.11.53 Copy of Darlington Dg No 14410D	19.2.31	1931	-	-	PT	D 084	-
29828	11" Dia. Steam Brake Cylinder	Full size general arrangement and details of brake cylinder Endorsed: amended 4.11.53, piston ring gap increased; for steam pipe connection, see Dg No 14073-D; for drain valve, see Dg No 12135-D; for spring (part Dg), see Dg No 10461-D; for piston rod, see Dg No Y-934-41 Copy of Darlington Dg No 14410-D	19.2.31	1931	-	A1 A2 A2/1 A8 B16 J38 J39 K3 N11	PT	D 023	-
29829	Arrangement of Whistle & Details	3" to 1' arrangement and full size details of whistle Endorsed; including for C7 class with booster; superseded by Dg same number	- .3.31	1931	-	C7 D49 J38 J39	PT	D 085	-
29829	Arrangement of Whistle & Details	3" to 1' arrangement and full size details of 'standard' whistle and arrangement of gear in cab Endorsed: see Dg No 36625 (shop copy and office copy); including for C7 class with booster Copy of Darlington Dg No 14441-D	- .3.33	1933	-	B12/3 B17 C7 D16/3 D49 J38 J39	PT	D 086	-
29830	Engines Type B12 with 5'6" Dia Boiler-Rod, Pipe and Clothing Arrangement	1½" to 1' elevations and plan of engine Endorsed: altered 14.11.34, 9.35 and 4.39	- .9.32	1932	-	B12/3	PT	D 087	-
29831 Att	Drivers Seat on Right Hand Side of Cab	1½" and 6" to 1' scrap view of cab and details of seat on top of splashers	- .9.45	1945	-	B12/3	PT	D 031	-
29831 -1	Alteration to Driver's Seat on R.H. Splasher	6" to 1' elevations of top of splashers in cab My comment: actual alterations unclear, superseded by later tracing, 9.45	- .6.36	1936	-	B12/3	PT	D 030	-
29832 Att	Engines Type B12/3 Modified Butt Strip Securing Smokebox Wrapper Plate to Frame	6" to 1' elevation of strip and section showing position	3.3.42	1942	-	B12/3	PT	D 089	-
29833	5 Ft 6 Ins Boiler (B12 Type Engs) Internal Pipes- (Copper)	1½" to 1' elevation and plan of pipe arrangement in relation to outline of boiler Endorsed: altered 3,35	20.4.31	1931	-	B12	PT	D 004	-
29833 Att	Engs. Type B12/3-Arrangement and Details of Alteration to Internal Injector Delivery Pipes	1½" to 1' arrangement of pipes and 3" to 1' details of brackets and clips	- .11.42	1942	-	B12/3	PT	D 005	-
29834	Details of Firebox Clothing Plates, Coping etc.	3" to 1' and full size detail drawings of components and parts schedule Endorsed: minor alterations 18.10.33	- .11.31	1931	-	B12/3	PT	D 030	-
29835	Blast Pipe and Blower Ring	6" to 1' sectional elevations and plan and plan of blower ring	- .4.32	1932	-	B12/3	PT	D 030	-
29836	5Ft 6Ins Diameter Boiler Type B12-Fire Door	6" to 1' elevation of door and full size details of fixings	- .3.31	1931	-	B12	PT	D	-

	Arrangement	Endorsed: altered 29.7.40 & 1.42						030	
29837	5Ft 6Ins Diar. Boiler Type B12-Fire Door Details	Full size elevations and plans of 8 components with schedule Endorsed: title added to by 'and 5Ft 1 1/8Ins Dia Boiler for Engines Types D14, 15 and 16 and J16, 17, 18 and 19 5.32	- .3.31	1931	-	B12/3 D16/3	PT	D 031	-
29838	5'6" Diar Boiler type B12-Firedoor Slide and Bars	Full size elevations and plan of components Endorsed: altered 12.4.33	- .3.31	1931	-	B12/3	PT	D 031	-
29839	5Ft 6Ins Diameter Boiler Type B12-Firebox Details	6" to 1' and full size details of 18 components Endorsed: alterations up to 29.7.40	- .3.31	1931	-	B12	PT	D 030	-
29840	Steel Steam Pipes for Superheater	3" to 1' elevation, section and plan of pipes Endorsed: superseded by Dg No 30977 My comment: Stores Ordering drawing	- .5.31	1931	-	B12/3	PT	D 031	-
29841	B12 Engines with 5'6" Dia Boiler-Chimney Liner and Petticoat	6" to 1' elevations and sections of petticoat and full size details of fittings	4 .7.31	1931	-	B12/3	PT	D 052	-
29842	B12 Type Engines with 5'6" Dia. Boiler-Asbestos Clothing	1 1/2" to 1' arrangement of ten mats	18.4.31	1931	S69	B12	PT	D 089	-
29842 -1	Engines Type B12 with 5'6" Dia. Boiler-Asbestos Millboard	1 1/2" to 1' details of two patterns of millboard	- .9.34	1934	S69	B12	PT	D 089	-
29843	Drop Grate Details	3" and 6" to 1' and full size details of all parts of operating gear	- .7.31	1931	—	B12/3	PT	D 065	-
29844	B12 Type Engines with 5'6" Dia. Boiler-Dome & Washout Door Casings etc.	3" and 6" to 1' and full size details of dome casing; testplate casing; washout door casing; steam cock stand casing	- .5.31	1931	-	B12/3	PT	D 061	-
29845	B12 Type Engines with 5 Ft 6 Ins Boiler-Cab Front Windows	6" to 1' elevation of window and full size details of fittings with table of components Endorsed: altered 15.6.38	- .4.31	1931	-	B12	PT	D 030	-
29846	Arrangement & Details of Trailing Sandbox & Gear	3" and 6" to 1' and full size part arrangement of cab and sand gear details	- .7.31	1931	-	B12/3	PT	D 061	-
29847	B12 Type Engines 5' 6" Diameter Boiler-Ash Pan Details	6" to 1' details of numerous components Endorsed: details not shown are as for existing ashpans to Dg No 17266; for GA of ashpan see Dg No 29807	- .10.31	1931	-	B12	PT	D 065	-
29847 Att	B12 Type Engs. With 5' 6" Diameter Boiler-Ash Pan Details to Suit Modified Ash Pan Arrangement Dg No 29807E Attachment	3" and 6" to 1' details of components	- .3.3.33	1933	-	B12	PT	D 065	-
29848	Engines Type B12 with 5' 6" Diameter Boiler-Injector Details	3" and 6" to 1' details of numerous components Endorsed: for engines Nos 8571-8580 see also Dg Nos 30480 and 33514	27.6.31	1931	-	B12	PT	D 054	-
29849	Clothing, Steam Heating & Sanding Details	1 1/2", 3" and 6" to 1' and full size details of handrail knobs; clothing bands; clips; etc.	- .3.32	1932	-	B12/3	PT	D 065	-
29850	Engines Type B12 with 5' 6" Diameter Boiler-Details of Lagging and Spiked Bands of Driving Splasher	6" to 1' sectional view of lower part of boiler showing lagging arrangement	- .3.32	1932	-	B12	PT	D 065	-
29851	4-6-0 Express Engines Type B12 with 5'6" Dia. Boiler-Arrangement of Westinghouse and Vacuum Brake Pipes	1 1/2" to 1' arrangement of pipes shown on outline elevations and half plan of engine Endorsed: amended 9.11.36	- .3.32	1932	S69	B12	PT	D 090	-
29851 Part	Vacuum Exhaust Steam Tube	Unscaled details of external vacuum exhaust pipe	- .3.32	1932	-	B12/3	PT	D 064	-

29853	Vacuum Exhaust Pipe and Elbow with Westinghouse Connections	Full size elevations and sections of elbows and pipes for B12 type and D class with extended smokebox Endorsed: altered 14.9.32, 13.4.33 and 28.3.35	- .7.31	1931	-	B12/3 D14 D15 D16	PT	-	-
29855	Footboard	1½" to 1' elevation, section and plan of cab and tender footboard and 3" to 1' details Endorsed: with amendment to cab footboard 5.32; pin diameter increased, 24.1.42; for flap for Beyer Peacock engines, (B12/2), see Dg No 27897	- .11.31	1931	-	B12/3	PT	D 081	-
29856	5' 1 1/8" Diameter Boiler for Engines Types D14, 15 and 16, J16, 17, 18 and 19-Arrangement of Staying of Firebox Roof	Full size sectional elevations of firebox roof showing stays	18.8.31	1931	-	D14 D15 D16 J16 J17 J18 J19	PT	D 022	-
29857	Boiler Stay Details	3" and 6" to 1' and full size details of stays Endorsed: waist radius of stay altered, 24.7.51; for general arrangement of boiler, see Dg No 29803; for firebox roof stays, see Dg No 29856; for stiffening plate for firebox back plate, see 30125 My comment: drawing refers to classes J16 and J17, not fitted.	- .8.31	1931	S46 D56 H88 E72 T77	D14 D15 D16 J18 J19	PT	D 022	-
29858	Brick Arch	3" to 1' scrap elevations of firebox and detail drawings of bricks	- .9.31	1931	-	B12/3	PT	D 022	-
29859	B12 Engines with 5 Ft 6 Ins Diameter Boiler-Smokebox Door and Details	3" to 1' elevation and plan of smokebox door and 6" to 1' and full size details of components and schedule of parts	- .12.31	1931	-	B12	PT	D 087	-
29860	Proportional Steam Brake Application Valve-Body Castings	Full size elevations and sections and plan of 3 casings Endorsed: altered 23.7.31	- .6.31	1931	-	-	PT	D 065	-
29861	Proportional Steam Brake Application Valve-Details	Full size details of numerous components My comment: tracing badly water stained	- .10.31	1931	-	-	PT	D 072	-
29862	India Rubber Cylinder for Engine and Tender Drawbars and Intermediate Tender Buffers	Full size elevations of cylinder My comment: drawing water damaged	- .3.31	1931	-	-	PT	D 018	-
29864	Six Wheels Coupled Bogie Express Engines Type B12-Cylinders with Piston Valves	3" to 1' elevations, sections and plans of cylinders Endorsed: altered 12.10.38, 11.3.42, 5.45, 28.3.57 and 2.58; replaces drawing of same number dated 12.30	4.4.35	1935	-	B12	PT	D 083	-
29864 Att	Six Wheels Coupled Bogie Express Engines Type B12-Alteration to Cylinders to Dg No 29864 for engines types J19, J20, also Tabulated Reference of Cylinders to Dg Nos 29864 and 17223	3" to 1' elevations, sections and plans of cylinders Endorsed: tabulated for various other GE classes My comment: tracing badly water stained	- .1.35	1935	-	J19 J20	PT	D 049	-
29864	Six Wheels Coupled Bogie Express Engines Type B12-Cylinders with Piston Valves	3" to 1' elevations, sections and plans of cylinders Endorsed: altered 3.5.32; superseded by Dg of same No 1.35	- .12.30	1930	-	B12	PT	D 086	-
29865	Hot-Water Boiler Washing-Out Plant at Stratford Adaptor Pipe to Facilitate Washing-Out Y4 Cl. Boilers	1½" to 1' details of rear of loco frame showing arrangement of adaptor pipe and full size details of pipe and bracket,	- .3.31	1931	B74 B77	Y4	PT	D 001	-
29866	B12 Tender Drawings	Diagrammatic schedule of drawings for tenders sent to Scotland,	16.10.31	1931	S69	B12	PT	D	-

-I		14.10.31 My comment: see reverse for reduction						082	
29866	List of Drawings-B12 Type Engines Transferred to Scotland	Unscaled schedule on 8 pages listing 247 drawings My comment: some drawings listed twice	- .4.31	1931	S69	B12	PT	D 066	-
29867	8½" & 9" Vertical Steam Brake Cylinder	Full size general arrangement and dimensions to suit the two sizes Endorsed: including for C7 class with booster; for tenders of engines K3; J38; J39; D49/1; D49/2; J38 replacements Copy of Darlington Dg No 14474-D	2.4.31	1931	-	C7 D49/1 D49/2	PT	D 083	-
29869	Three Way Cock for Steam Brake-Engine & Tender	Full size details of cock; positions are: engine shut; engine and tender shut; tender shut; engine and tender open	- .5.31	1931	-	-	PT	D 069	-
29872	Steel Springs for W.H. Driver's Valve	Full size details of springs	- .5.31	1931	-	-	PT	D 039	-
29872 /I	Steel Springs for Westinghouse Drivers Valve	Full size details of small spring My comment: probably for 'small' driver's valve	- .5.42	1942	-	-	PT	D 064	-
29873	B12 Type Engines Made by Messrs Beyer Peacock. Particulars of Weights Recorded at Stratford after Wear and Reconditioning	Unscaled table of weights of Nos. 8570-8580 after shopping My comment: interesting statistics! Diagram weight – 63 ton; average weight – 63 ton 9 cwt, adjusted; highest weight – 63 ton 17 cwt	- .5.31	1931	-	B12	PT	D 064	-
29874	Spring	Full size details of spring, with 15 plates, 5" x ½", 3'6" centres Copy of Darlington Dg No 13077/2-D	14.4.31	1931	-	D49/1 D49/2 D49/3	PT	D 036	-
29876	Fixing of 'Drifted' Copper Stays	Full size details of fixing Endorsed: for details of stay and tools, see Dg No 29711 for engine No 8288	- .5.31	1931	D81	J20	PT	D 056	-
29881	0-4-4 Tank Engines Type G4 (S44.C)-Arrangement and Details of Indicating Gear	3" to 1' elevation of arrangement and 6" to 1' and full size details of components	- .5.31	1931	S44	G4	PT	D 044	-
29882	Connecting Rod	Full size elevation, section and plan of connecting rod, big end, etc. Endorsed: supersedes Dg No 11182-D and supersedes same Dg No dated -.3.31 Copy of Darlington Dg No 14423-D	22.5.31	1931	-	J39	PT	D 058	-
29889	Cast Steel Brake Shaft	Full size elevation, section and plan of shaft Copy of Darlington Dg No 14567-D	- .6.31	1931	-	B17	PT	D 037	-
29921	Engines Type N7-Brass Spring for Whistle	Full size details of spring for Doncaster built engines Traced from Doncaster Dg No W-280-N	10.4.31	1931	L77	N7	PT	D 010	-
29932	Engines Type J20 and B12-Eccentric Sheaves and Straps with ½ Inch Wide Rebate and Felt Oiling Pads	Full size half elevation and plan of sheave with sections Endorsed: for future eccentric straps see Dg No 31341 6.35	6.7.31	1931	-	B12 J20	PT	D 008	-
29934	Untitled	Unscaled schedules on two sheets giving details of boiler plate dimensions for the classes noted My comment: Stores Ordering drawing	6.7.31	1931	T26 C32 M15 G69 Y14	E4 F3 F5 F6 J15	PT	D 008	-
29936	Engines Class D15-Steel Springs for Balanced Slide Valves	Full size details of spring for use with worn valves, port faces and covers Endorsed: for springs for new valves, see Dg No 19065 Part	7.7.31	1931	D56	D15	PT	D 010	-

29938	Engines Type N7-Steel Plate Cab Roof	1½" to 1' elevation, section and plan of roof and full size details and sections of cab Endorsed: work to red, 9,9,33; for ventilator, see attachment, 16.2.34	28.2.33	1933	L77	N7	PT	D 011	-
29938 Att	Engines Type N7-Ventilator for Steel Cab Roofs	3" to 1' arrangement of roof and full size details of four components and method of fitting	- .2.34	1934	L77	N7	PT	D 009	-
29939	LNER (GE Section) Bogie Express Passr. Engines and Tenders-Blast Pipe	6" to 1' sections and plan of blast pipe Endorsed: North British Locomotive Co. Dg No 49 applicable to locomotives Nos 2800-2809; for blast pipe and blower ring, see Dg No 13315D (supersedes NBL Dg No 50)	8.7.31	1931	-	B17	PT	D 008	-
29940	Steam Pipe Connections and Blast Pipe Top	6" to 1' arrangement of connections and full size details Endorsed: supersedes North British Locomotive Co. Dg No 50; for new cap, see Dg No 26848 11.34. Darlington Dg No 13215-D	10.7.29	1929	-	B17	PT	D 010	-
29942	Chimney Liner and Petticoat-D15 Type Engines with Extended Smokebox to Dg Nos 29118 & 25689	6" to 1' sectional elevation and plan of components	- .7.31	1931	-	D15	PT	D 081	-
29944	Application of Standard Water Tank Gauges to Tank Engines	3" to 1' dimensioned sketches showing position of gauges in engine cabs and full size details of connecting pipe and brackets Endorsed: altered 20.10. 34	- .7.31	1931	-	-	PT	D 081	-
29948	Sketch showing Extent to which Tender Tool Box Lids when Open Foul the Loading Gauge	1½" to 1' outline of tenders; large tool box on right hand side; small tool box on left hand side	- .7.31	1931	-	-	PT	D 082	-
29949	Alteration to Regulator Handle	6" to 1' details of extended handle Endorsed: J69 added, 5.2.35; "6 coupled shunting engines working at Lincoln to be fitted with this handle, 1944" My comment: the record card includes a sketch of the handle	- .7.31	1931	C72 R24 S56	J68 J69	PT	D 055	-
29949	Regulator Handle	6" to 1' details of long handle Endorsed: supersedes drawing with same number dated -.7.31 The record card includes a sketch of the handle	- .4.53	1953	T18 S56 R24 C72	J66 J67 J68 J69	PT	D 044	-
29981	Engines Type D14, D15, D16-New Stiffening Plate and Altered Drilling to Suit Piston Valve Cylinders	3" to 1' side elevation and half plan of frame showing plate and drilling positions Endorsed: altered 19.6.30 & 6.36	- .6.32	1932	-	D15 D16	PT	D 039	-
29982	Engines Type N7 and J17-Grease Cup and Alteration to Oil Chamber of Coupling and Connecting Rods to Suit	Full size section of oil chamber and diagrams showing couplings for various classes Endorsed: superseded by new drawing same number 19.10.32	- .9.31	1931	-	N7 J17	PT	D 033	-
29982	Engines Types N7 and J17-Alteration to Oil Chamber of Coupling & Connecting Rods to suit Grease Lubrication	Full size elevation, section and plan of oil chamber to suit coupling and connecting rods Endorsed: for grease lubricator, see Dg No 30221; for retaining screw, see Dg No 30113; for nipple to grease cup, see Dg No 30380	- .10.32	1932	L77 G58	N7 J17	PT	D 015	-
29983	Grease Cup & Alteration to Oil Chambers of Coupling & Connecting Rods	Full size details of grease cup and plunger, etc. Endorsed: superseded and cancelled, see Dg No 30220, 8.6.33	- .9.31	1931	C72	J68	PT	D 050	-
29985	Reversing Arrangement	1½" to 1' outline of cab, frame and coupled wheels, with arrangement of screw reverse, weigh shaft and vacuum lock	- .12.31	1931	-	B12/3	PT	D 061	-
29986	B12 Type Engines with Long Valve Travel and D14,	6" to 1' elevation and plan	- .8.31	1931	-	B12	PT	D	-

	D15 & D16 Type Engines with Piston Valve Cylinders-Reversing Screw Bracket	Endorsed: altered to include D14, 15 & 16 24.9.35				D14 D16		064	
29987	Locking Gear for Reversing Shaft	Full size steam-operated 'Ferodo' lined clutch, on reversing shaft for B12/3 rebuild	- .10.31	1931	S69	B12	PT	D 040	-
29988	Type B12 Engines with Long Valve Travel-Reversing Shaft	6" to 1' plan and elevation of arrangement Endorsed: altered 24..35	29.10.31	1931	-	B12	PT	D 040	-
29990	Eccentric Sheaves and Straps with 1/2" Rabbet and Felt Oiling Pads	Full size elevation and plan of eccentric and strap Endorsed: for other dimensions, see Dg No 7239	- .11.31	1931	T26 C32	E4 F3	PT	D 060	-
29991	Engines Types J17 and N7-Cover Plate over Hole in Footplating to Suit Grease Cup on Coupling Rod	3" to 1' elevations and plan showing plate in relation to splasher	28.8.31	1931	-	J17 N7	PT	D 036	-
29994	Spring for 2 1/2" Ross S. Valve	Full size details of spring for 2 1/2" safety valve, Dg No 29994	- .9.31	1931	-	-	PT	D 066	-
29995	Spring for 3" Ross S. Valve	Full size details of spring for 3" safety valve, Dg No 29995							
29996	Valve Liners for Piston Valves	6" to 1' sketches of liners for 3 1/2" travel valves, for 72 engines; 5 3/4" travel valves for 62 engines	- .8.30	1930	L77	N7	PT	D 068	-
29997	Piston Valve Liners	6" to 1' sections of liners for 4 3/16" and 6 1/16" valve travel	- .9.30	1930	S69	B12	PT	D 036	-
29998	In Beyer Peacock & Co v. The LNER Co	Unscaled table showing complete list of drawings referred to in Statement of Claim as amended. My comment: chart of drawings prepared by defendant, part of an "Analysis of Events". Refers to dispute regarding the cost of the B12/2 locomotives, built by Beyer Peacock	- .8.31	1931	-	B12/2	PT	D 082	-
30001	Six Wheels Coupled Express Engines Type B17-Footboard	1 1/2" to 1' arrangement of footboard and 3" to 1' details Endorsed: for future footboards, see Dg No 32053	10.11.31	1931	-	B17	PT	D 011	-
30002	Arrangement of Steel Pads on Boiler Back Plate for Group Standard Water Gauge	Full size arrangement of pads	- .5.31	1931	G69	F6	PT	D 043	-
30003	Engines Type J69-Arrangement of Steel Pads on Boiler Back Plate for Group Standard Water Gauge	Full size details of pads showing their position Endorsed: altered 9.32 30.3.33 and 25.5.33	- .5.31	1931	-	J69	PT	D 067	-
30004	Arrangement of Steel Pads on Boiler Back Plate for Group Standard Water Gauge	Full size arrangement of pads Endorsed: for group standard water gauge, see Dg No 26036; for boiler, see Dg No 22206; for boiler, see Dg No 29661	2.6.31	1931	T26	E4	PT	D 007	-
30006	Engines Class D13-Steel Springs for Balanced Slide Valves	Full size details of springs for use with worn valves, port faces and covers Endorsed: for springs for new valves, see Dg No 21259 Part	30.7.31	1931	T19	D13	PT	D 010	-
30007	Engines Types D14, D15, D16-Piston Valve Cylinders 19In Diameter 26In Stroke Valves 8Ins Dia. And 5 3/8In Stroke CHECK this	1" to 1' elevations, sections and plan of cylinders Endorsed: alterations to 10.33	- .8.31	1931	-	D14 D15 D16	PT	D 084	-
30008	Six Wheels Coupled Bogie Express Engines Type B12-Long Travel Valve Gear Using Long-Slot Back-Set Expansion Link-Expansion Link, Motion Block, Swing Links and Sketches and Notes Relating to Attendant Alterations	3" to 1' and full size details of components Endorsed: altered 13.6.32 and 25.4.33	- .8.31	1931	-	B12/3	PT	D 006	-
30009	Jointing for Steam Pipes, Headers, etc.	3" and 6" to 1' details of 16 components with schedules Endorsed: Great Central section part number added in red My comment: for all ex-GERy classes	- .1.32	1932	-	-	PT	D 033	-

30009 -1	Joints for Boiler Mountings	6" to 1' details of 32 joints My comment: for all ex-GERy classes, plus some ex-GNRy and some ex-GCRy	- .12.32	1932	-	-	PT	D 034	-
30009 -2	Joints for Pipes for ACFI Feed Water Heater and Exhaust Injector etc.	6" to 1' details of joints Endorsed: code numbers in red indicate joints which are interchangeable with those used by the G.C. section	- .1.32	1932	-	-	PT	D 056	-
30009 -3	Joints for Exhaust Injectors & Safety Valves	6" to 1' details of joints	- .12.32	1932	-	-	PT	D 056	-
30009 -4	Joints for Boiler Mountings, etc.	6" to 1' details of joints made of 1mm thick material, altered to 0.008" (≈1/5 mm!)	- .9.33	1933	-	-	PT	D 056	-
30009 -5	Cold Water Joints for Injectors	Full size details of rubber insertion 1/16" thick, one joint for Gresham & Craven No. 8 injector	- .9.33	1933	-	-	PT	D 054	-
30009 -6	'Golden Walkerite' Cut Joints	Unscaled details of joints ordered by Loco Running Dept for maintenance of non-GERy engines	- .7.35	1935	-	D9 J39 K2 K3 N2 O1 O2	PT	D 056	-
30009 -7	"ACFI" Feed Water Heater Joints	6" to 1' details of joints Endorsed: marked obsolete	- .8.35	1935	S69	B12	PT	D 056	-
30009 -8	Smokebox & Other Joints	Full size details of jointing, 0.008" thick	-	-	S69  H88 L77	B12 B17 D16 N7	PT	D 041	-
30100	Alteration to Axleboxes	Full size details of two oil pipes My comment: J27s were shipped at Stratford in the 1930s	- .8.31	1931	-	J27	PT	D 051	-
30101	5Ft 1 1/8In Diameter Boiler for Engine Types D14, D15, D16 and J16, J17, J18 and J19-Foundation Ring	3" to 1' plan and section of ring and full size details of corner riveting	10.9.31	1931	-	D14 D15 D16 J16 J17 J18 J19	PT	D 006	-
30102	Mudhole Door	Full size elevation, section and plan of NE Standard mudhole Copy of Darlington Dg No 7766-D, 21.11.10	- .8.31	1931	-	-	PT	D 039	-
30102	Mudhole Door-(NE Standard)	Full size elevation, section and plan of oval mudhole door Endorsed: was 7766-D "NE Standard" dated 11.10 retraced 2.31	- .8.35	1935	-	-	PT	D 041	-
30103	Additional Washout Doors-J39 Type	Full size arrangement and details of washout doors on firebox side Copy of Darlington Dg No 14583-D	- .7.31	1931	-	J39	PT	D 011	-
30105	Expansion Bracket and Adapters Engs. Type D14, 15, 16, J16, 17, 18, 19 with Boiler to Dg No 29803	3" and 6" to 1' and full size details of components Endorsed: altered 9.32	- .6.32	1932	-	D14 D15 D16 J16 J17	PT	D 004	-



						J18 J19			
30105	Expansion Angle Engs. Type D14, I5, I6, J16, I7, I8, I9 with Boiler to Dg No 29803	3" and 6" to 1' and full size details of angle	- .9.35	1935	-	D14 D15 D16 J16 J17 J18 J19	PT	D 004	-
30107	Express Engines Type B12 with 5'6" Dia. Boiler	Unscaled drawing for ordering: 1. steel plates for smokebox; 2. boiler clothing backplate; 3. smokebox door joint ring My comment: Stores Ordering drawing	- .9.31	1931	S69	B12	PT	D 090	-
30109	Arrangement of Internal Steam Pipes between Dome and Firebox Engine Types B12, D15 and D16	Unscaled elevations and plans of steam pipes, one old GE practice and the other modified practice	- .9.31	1931	-	B12 D15 D16	PT	D 045	-
30110	Tank Engines, Type N7, Class K89-Steel Steam Pipes for Robinson Superheater	3" to 1' elevations of pipe, one right-hand and one left-hand equal to one set Endorsed: for L77 class see Dg No 19267; see new Dg No 31239	19.9.31	1931	K89	N7	PT	D 015	-
30111	Cast Steel Brackets for Motion Plate for B12 Type Lentz Valve Engines No 8571 to 8570 Converted to Piston Valve Engines	Full size elevations and plan of bracket Endorsed: see Dg No 27637 for motion plate	2.10.31	1931	-	B12	PT	D 010	-
30111 -I	Sets Cast Steel Brackets for Motion Plate	Full size elevation, section and plan of steel castings to suit B12 type engines Nos. 8571-8580 only, with Lentz valve converted to piston valves My comment: Stores Ordering drawing	2.10.31	1931	S69	B12	PT	D 011	-
30112	Grease Gun	3" to 1' elevation and plan of grease gun My comment: for locomotive greasing?	- .10.31	1931	-	-	PT	D 043	-
30113	Grease Lubrication on Engines-Retaining Screw for Grease Cups	Full size elevations of screw and diagram showing position on engines classes N7, J17 and J68	- .9.31	1931	-	J17 J68 N7	PT	D 015	-
30114	ACFI Feed Water Heaters	Unscaled sketches, one showing <u>incorrect</u> , A, and one the <u>correct</u> , B, way of making overflow return valve connections My comment: for engines with ACFI feed water heaters	- .10.31	1931	S69	B12	PT	D 060	-
30117	Engines Type B12 with 5' 6" Dia. Boiler and Long Valve Travel Motion-Pockets in Lagging Plate to Clear Reversing Gear	6" to 1' details of pocket in relationship to reversing lever	8.3.32	1932	-	B12	PT	D 010	-
30118	Six Wheels Coupled Bogie Express Engines Type B12-Long Travel Valve Gear Using Long-Slot Back-Set Expansion Link-Eccentric Sheaves	Full size elevations of sheaves with sections Endorsed: various alterations to 8.42	5.1.0.31	1931	-	B12	PT	D 010	-
30120	Motion Plate for Engines fitted with Piston Valve Cylinders to Dg No 30007	3" to 1' elevation, section and plan of motion plate My comment: see Dg No 30875 for detail	- .9.31	1931	S46 D56 H88	D14 D15 D16	PT	D 010	-
30120 -I	Cast Steel Motion Plates	Full size elevation, section and plan of steel castings for engines type D14, D15 and D16 fitted with piston valve cylinders to Dg No	2.12.31	1931	S46 D56	D14 D15	PT	D 010	-

		30007 My comment: Stores Ordering drawing			H88	D16			
30121	Motion Bars	3" to 1' elevation, section and plan of four bar motion for 8" piston valve engines	- .12.31	1931	S46 D56 H88	D14 D15 D16 D16/3	PT	D 069	-
30122	Engines Types D14, D15 and D16-Reversing Shaft for Engines Fitted with Piston Valve Cylinders to Dg No 30007E	6" to 1' elevations of shaft	- .6.32	1932	-	D14 D15 D16	PT	D 069	-
30123	Engines Type B12 with Long Valve Travel and Long Slot Back Set Expansion Link and Engines Type D14, 15, 16 with Piston Valve Cylinders Valves 8" or 9 1/2" Diameter-Reversing Shaft Brackets	Full size elevation, section and plan of bracket	15.12.31	1931	-	B12	PT	D 037	-
30124	Tank Engines Type N7-Cover Plate for Hand Brake Column	6" to 1' elevations of steel plate	- .10.31	1931	-	N7	PT	D 035	-
30125	Stiffening Plate and Mounting Pads for Backplate	6" to 1' and full size details of components for boiler to Dg No 29803	- .10.31	1931	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 086	-
30126	Pads for Washout Plugs and Mountings on Wrapper Plate	Full size details of pads for locomotives with 5'11/8" diameter boiler	- .11.31	1931	-	D16/3 J19/2	PT	D 086	-
30200	5'11/8" Dia Boiler for Engines Types D14-16, J16-19	1 1/2" to 1' outline drawing of boiler showing internal pipe arrangement Endorsed: altered 19.4.33, 20.3.35 and 28.11.40; for boiler arrangement, see Dg No 29803; for regulator, see Dg No 23908; for main internal steam pipe, see Dg No 29009; for Air Ministry joints, see Dg No 30644 My comment: see also copy negative altered 23.11.42	28.11.31	1931	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 021	-
30200	5'11/8" Dia Boiler for Engines Types D14-16, J16-19	1 1/2" to 1' outline drawing of boiler showing internal pipe arrangement Endorsed: altered 23.11.42; for boiler arrangement, see Dg No 29803; for regulator, see Dg No 23908; for main internal steam pipe, see Dg No 29009; for Air Ministry joints, see Dg No 30644 My comment: copy tracing, see original same number	28.11.31	1931	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 021	-
30204	Six Wheels Coupled Bogie Express Engines Type B12-Long Travel Valve Gear Using Long-Slot Back-Set Expansion Link Piston Valve (with Narrow Rings and 'Ring Control' of Steam) and Valve spindle	Full size sectional elevation of piston valve Endorsed: altered 12.37	- .10.31	1931	-	B12	PT	D 090	-
30205	Clip on LH Splasher for Injector Pipe	3" to 1' details of clip Endorsed: cancelled, see Dg No 30239	- .10.31	1931	-	B17	PT	D 039	-
30207	Eccentric Sheaves	Full size elevation, section and plan of sheaves	- .10.31	1931	S46	D14	PT	D	-

		Endorsed: work to full lines for axles to Dg No 25505; work to chaindot for axles to Dg No 28409; for eccentric straps, see Dg No 30208; for engines with piston valve cylinders (D16/3)			D56 H88	D15 D16		039	
30208	Eccentric Straps	Full size elevation, section and plan of straps Endorsed: for engines with piston valve cylinders to Dg No 30007 (D16/3); for eccentric sleeves, see Dg No 30207	- .10.31	1931	S46 D56 H88	D14 D15 D16	PT	D 039	-
30210	Six Wheels Coupled Bogie Express Engines Type B12-Arrangement of Stephenson Link Motion (Maximum Valve Travel 6 5/64")	3" to 1' elevation of motion with section of cylinders and valves	- .11.32	1932	-	B12	PT	D 089	-
30211	Standard Brake Block	Full size elevation, section and plan of block Copy of Dg No Y-738-N	- .10.31	1931	-	-	PT	D 043	-
30212	Steel Superheater Smoke Tube	Full size details of smoke tubes to suit 5'1 1/8" diameter boiler (D&J) My comment: Stores Ordering drawing	- .11.31	1931	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 037	-
30213	Alteration to Brake Pull Rods	6" to 1' details of two pull rods	- .11.31	1931	-	B17	PT	D 068	-
30214	Reversing Rod & Guide	1 1/2" and 6" to 1' and full size details of 'long rod'	- .12.31	1931	-	B12/3	PT	D 064	-
30217	Engines Type B12 with Long Valve Travel Using Long Slot Back-Set Expansion Link Two-Part Piston Valve Bushing	Full size sections of valve with details of bushing Endorsed: for piston valve to suit Dg No 30204; for cylinders see Dg No 29864; altered 3.53	- .12.31	1931	-	B12	PT	D 064	-
30217 Amend	Engines Type B12 with Long Valve Travel Using Long Slot Back-Set Expansion Link Two-Part Piston Valve Bushing	Full size sections of valve with details of bushing Endorsed: for piston valve to suit Dg No 30204; for cylinders see Dg No 29864; altered 3.53	17.2.43	1943	-	B12	PT	D 090	-
30218	Arrangement of Pipes for Dreadnought Vacuum Ejector with Automatic Steam Brake Valve	1 1/2" and 3" to 1' arrangement of pipes in cab	- .12.31	1931	Y14	J15	PT	D 079	-
30218 Part	Engines Class J15 fitted with Dreadnought Ejector & Automatic Steam Brake Valve	Unscaled details of 2 1/8" interior diameter steel pipe 16'2 1/2" long	- .1.32	1932	Y14	J15	PT	D 075	-
30220	Engines Type J68-Grease Cup and Alteration to Oil Chamber of Coupling and Connecting Rods	Full size section of grease cup with written details of construction Endorsed: superseded by drawing same number 10.32	- .11.31	1931	-	J68	PT	D 013	-
30220	Engines Type J68-Grease Cup and Alteration to Oil Chamber of Coupling and Connecting Rods	Full size section of grease cup with written details of construction	19.10.32	1932	-	J68	PT	D 014	-
30221	Engines Types N7 and J17-Grease Cup	Full size section of cup Endorsed: for grease nipple see Dg No 30380	- .10.32	1932	-	J17 N7	PT	D 063	-
30221	Engines Types N7 and J17-Grease Cup	Full size section of cup Endorsed: superseded by drawing same number 19.10.32	- .11.31	1931	-	J17 N7	PT	D 035	-
30221 -1	Spring for Grease Cup	Full size details of single spring	-	-	-	-	PT	D 056	-
30222	Reversing Rod	1 1/2" to 1' and full size elevation and plan of rod Endorsed: for engines fitted with 8" piston valve cylinders to Dg No 30007	- .6.32	1932	S46 D56 H88	D14 D15 D16	PT	D 040	-

30223	Engines Type B12-Locking Gear for Reversing Shaft	Full size elevations, section and plan of gear with schedule of components Endorsed: for engines with reversing gear to Dg No 29985	13.11.31	1931	-	B12	PT	D 019	-
30223 Att	Rebuilt 'D' Type Engines-Boiler to Dg No 29803E and 9 1/2" Dia. Piston Valves-Cylinder Casting for Reversing Shaft Clutch	Full size elevation and plan	18.10.35	1935	-	D14 D15 D16	PT	D 018	-
30224	Engines Types D14, D15 & D16-Piston and Rod	Full size elevation, section and plan of piston and rod for engines fitted with piston valves to Dg No 30007 Endorsed: altered to red, 11.5.48 and 9.34	- .11.31	1931	S46 D56 H88	D14 D15 D16	PT	D 018	-
30225	4-6-0 Engines Type B12 Fitted with Long Valve Travel Motion Using Long-Slot Back-Set Expansion Link-Reversing Shaft Spring	Full size elevation and spring and end elevation showing position on shaft	- .11.31	1931	-	B12 D16	PT	D 065	-
30226	Engines Type B12 (with 5'6" Dia Boiler and Long Valve Travel Motion) Vacuum Reservoirs for Proportional Valve and Reversing Clutch	Full size section of reservoirs and end elevation Endorsed: for arrangement see Dg No 29985	20.1.32	1932	-	B12	PT	D 018	-
30227	A.C.F.I. Feed Water Heaters-Blast Pipe (for Type B12 Engines with Extended Smokeboxes)	6" to 1' elevation, section and plan of cast iron blast pipe	- .11.31	1931	-	B12	PT	D 050	-
30230	Smokebox Tube Plate-Respacing of Small Tubes	3" to 1' elevation of tubeplate, at present 143 tubes, proposed 141	- .11.31	1931	-	B17	PT	D 050	-
30232	Straight Axles	Unscaled chart showing weights of straight axles, for all classes	- .11.31	1931	-	-	PT	D 046	-
30233	Engines Types B12, B17, D15 & I6-Alteration to Brake Gear of Tenders with Water Scoops	1 1/2" to 1' side elevation showing arrangement on outline of tender frame and 3" to 1' details of components Endorsed: supersedes Dg No 28245	24.12.31	1931	-	B12 B17 D15 D16	PT	D 081	-
30234	Cylinder Cover	Full size elevation, section and plan of cover for 8 1/2" piston valve cylinders to Dg No 30007	- .12.31	1931	S46 D56 H88	D14 D15 D16	PT	D 048	-
30236	5Ft 1 1/8Ins Diameter Boiler for Engines Types D14, I5 and I6, J16, I7, I8 and I9-Blow Off Cock	Full size sections, elevations and plan of cock made of bronze	17.12.31	1931	-	D14 D15 D16 J16 J17 J18 J19	PT	D 022	-
30239	Sketch showing Clip on R.H. Footplating Angle for Steam Pipe to Exhaust Injector Auto Valve	3" to 1' and full size details of clip	- .12.31	1931	-	B17	PT	D 048	-
30242	Sentinel-Cammell Locomotives Type Y3 and Crane-Arrangement for Fitting 2 1/2" Tyres to Worn Disc Wheels	Full size section of tyre and wheel and 1 1/2" to 1' elevation of wheel and schedule listing applicable engine and crane numbers Copy of Darlington Dg No 14763	6.11.31	1931	-	Y3	PT	D 027	-
30243	Arrangement for Fitting 2 1/2" Tyres to Worn Disc Wheels-Sentinel-Cammell Locomotives Type Y1	Full size half section of wheel and 1 1/2" to 1' elevation of complete disc wheel and schedule of engine numbers Copy of Darlington Dg No 14764D	7.11.31	1931	-	Y1	PT	D 027	-
30244	Sentinel-Cammell Type Y1-Arrangement for Fitting New 2 1/2" Tyres to Existing Wheels Centres	Full size section of tyre and wheel centre and 1 1/2" to 1' elevation of complete disc wheel	11.11.31	1931	-	Y1	PT	D 027	-

		Copy of Darlington Dg No 14675D							
30245	Sketch showing Foundation Ring-Rivets to be Semi-Countersunk in Steel Throat Plate	Unscaled sketch My comment: for boiler to Dg No 29803; three foundation ring rivets to clear blow-off cock	- .12.31	1931	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 056	-
30246	Sketch of Boiler Angle Ring Riveting	Full size sketch 'C'	- .12.31	1931	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 041	-
30247	Proposed Pad for Bogie Axleboxes	Full size elevation and plan of pad for axleboxes to Dg No 17254	- .12.31	1931	S69	B12	PT	D 056	-
30248	A.C.F.I Feed Water Heaters-Descaling Gear	1½" to 1' arrangement of tank mounted on iron wheeled hand barrow and 3" and 6" to 1' details of pipework and flanges	24.12.31	1931	-	B12	PT	D 027	-
30252	5' 11/8" Diar. Boiler for Engines Types D14, 15 & 16, J16, 17, 18 & 19-Internal Pipe Clips, Elbow and Union	Full size details and sections of components	22.12.31	1931	-	D14 D15 D16 J17 J18 J19	PT	D 040	-
30253	Special Nipple for Test Cock	Full size details of nipple Endorsed: 2 off for trial	- .12.31	1931	S69	B12	PT	D 039	-
30254	Firehole & Riveting	Full size elevation, section and plan of firehole for 'D&J' boiler	- .12.31	1931	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 040	-
30255	5Ft 1 1/8Ins Diameter Boiler for Engines Types D14, 15 & 16 and J16, 17, 18 & 19-Protector for Firehole	Full size elevation and section of protector	-2.32	1923	-	D14 D15 D16 J16 J17 J18 J19	PT	D 040	-
30256	Engine No 8848 Type D15-Additional Ash Ejector for Extended Smokebox	1½" to 1' arrangement shown within smokebox and full size details of unions and clips	24.12.31	1931	-	D15	PT	D 039	-
30258	Express Engines Type B12-Cab Side Screens	Full size elevations of screen and details of fittings Endorsed: classes D15 & D16 added 23.2.38; altered 9.34 with the	3.1.32	1932	-	B12	PT	D 064	-

		fitting of Vibro lock nut							
30290	Sketches of Trial Piston Rings	Full size sections of three parts of valve head:- 1) standard B12 2) with $\frac{3}{4}$ " x $\frac{23}{32}$ " deep grooves 3) with $\frac{3}{4}$ " x $\frac{11}{16}$ " deep grooves	- .1.32	1932	S69	B12	PT	D 005	-
30291	Type J68 Engines-Modified Bracket for Driver's Brake Valve	3" to 1' elevation of steel bracket	4.1.32	1932	-	J68	PT	D 015	-
30295	Engines Type D13 Class T19-Local Stop for Cylinder Cock Gear	3" to 1' sketch showing position of stop and full size details of components Endorsed: for complete details see Dg No 13812	8.1.32	1932	-	D13	PT	D 023	-
30296	Sentinel-Cammell Locomotives Types Y1 & Y3, Crane 773044-Retaining Ring for Tyres 2½" Thick & 2'7" Dia. on Tread	1½" to 1' and full size diagram and section of retaining ring and table of locomotives allocated to each section of the LNERy Endorsed: for rings for Nos. 19, 4801/2/3 and 8401, see Dg No 14748-D Copy of Darlington Dg No 14791-D	30.11.31	1931	-	Y1 Y3	PT	D 001	-
30297	Sentinel Cammell Locomotives Type Y1 Nos. 19, 4801-3 & 8401-Retaining Ring for Tyres 2½" Thick and 2'6" Dia. on Tread	1½" to 1' and full size diagram and section of retaining ring and table of locomotives allocated to each section of the LNERy Copy of Darlington Dg No 14748-D	1.12.31	1931	-	Y1	PT	D 001	-
30298	Tyre Section	Full size section of tyre and table of locomotives allocated to each section of the LNERy Copy of Darlington Dg No 14573-D	30.6.31	1931	-	Y1 Y3	PT	D 001	-
30299 Part	Cast Steel Slide Blocks	3" to 1' elevation, section and plan of slide blocks types A & B, two of each for each engine Endorsed; superseded by Dg No L149 (35155-E) Copy of Darlington Dg No 12941-D-Part	11.10.28	1928	-	J39	PT	D 015	-
30300	4-6-0 Bogie Express Engines Type B12-Piston Valve Head with Steam Loaded Rings	Full size elevations and sections of head Endorsed: altered 27.4.32	15.1.32	1932	-	B12	PT	D 062	-
30301	Untitled	Full size sketches of piston rings showing part of piston and clearances at cylinder end, with alternative rings. Endorsed: see Letter H2/3305 to C.M.E. Jan 11 1932 (Piston Rings) My comment: piston shown is conical, as on B12	- .2.32	1932	-	-	PT	D 035	-
30302	Engines-Types D14-D16-Piston Valve with 'Ring Control' of Steam and Valve Spindle for Piston Valve Cylinders to Drg 30007	Full size elevation, section and plan of piston valve Endorsed: for first 8" piston valve engines, J39 cylinders; for piston valve back cover, see Dg No 30608; for piston back cover, see Dg No 30303; for piston valve front cover, see Dg No 30604; for piston front cover, see Dg No 30304; for crosshead and cotter, see Dg No 30397; for cylinders, see Dg No 30007; for piston valve bush, see Dg No 30643; for piston bush, see Dg No 30305	- .3.32	1932	S46 D56 H88	D14 D15 D16	PT	D 010	-
30303	Engines Type D14, D15 and D16-Steam Chest Back Cover for Cylinder to Drg 30007	Full size elevation, section and plan of cover Endorsed: for first 8" piston valve rebuilds with J39 cylinders; for front steam chest cover, see Dg No 30304; for lubricator bowl, see Dg No 30392	- .3.32	1932	S46 D56 H88	D14 D15 D16	PT	D 008	-
30304	Engines Type D14-D16-Steam Chest Front Cover for Cylinders to Drg 30007	Full size elevation, section and plan of cover Endorsed: for steam chest back cover, see Dg No 30303	- .3.32	1932	S46 D56 H88	D14 D15 D16	PT	D 010	-

30307	Detail of Stay and Tools used during Experiment on Type J20 Boiler	Full size details of drifting and riveting tools shown for use on stays	- .1.32	1932	D81	J20	PT	D 015	-
30308	Tank Engines J69 Class-5 Sets Boiler Plates to LM 7727	Unscaled schedule listing 18 plates and their dimensions	16.1.32	1932	S56 R24R	J69	PT	D 015	-
30309	Piston Gland Spanner for Sentinel Locomotives	Full size elevations of spanner	- .1.32	1932	-	Y1 Y3	PT	D 001	-
30310	Gauge Glass Washers, Sentinel and Clayton Railcars	Full size details of washers Endorsed: No. 1 washer for Clayton railcars; No. 2 Wallace gauge glass washer for Sentinel railcars, superseded by No. 3; No. 3 washer for Sentinel railcars Copy of Darlington Dg No 14623-D	6.1.32	1932	-	-	PT	D 001	-
30311	Express Engines Types B17 and B12-5 Ft 6 Ins Diam. Boiler-Cab Side Screens	Full size elevations of Triplex glass screen Endorsed: also for 'D' type engine with boiler to Dg No 29803 Endorsed: altered 1934	3.2.32	1932	-	B12 B17	PT	D 086	-
30312	Sets of Steel Boiler Plates	Unscaled list of two sets of steel boilerplates My comment: for new boilers? LM 7734	- .2.32	1932	Y65	F7	PT	D 050	-
30313	Engines Type B12-Bush for Cylinder Barrel	Full size elevation and plan of bush shown in relation to cylinder	- .1.32	1932	S69	B12	PT	D 087	-
30314	Sketch showing where Fittings of E4, J15 & F3 Type Boiler Foul the Framing of Original J15 Type Engines	3" to 1' sketch of bevel bottom firebox	- .1.32	1932	Y14	J15	PT	D 078	-
30315	Boiler Angle Rings	Full size sketches showing two different methods of attaching barrel plates to smokebox tubeplate	- .1.32	1932	-	-	PT	D 035	-
30317	Engines-Type B12-Piston Head with Narrow Rings	Full size sectional side elevation of piston head, elevation and plan showing 3 rings Endorsed: altered 9.34 and 10.9.40; superseded see Dg No 38112 9.53	10.2.32	1932	-	B12	PT	D 069	-
30318	Goods Engines Class J15-Arrangement of Pipes for Dreadnought Vacuum Ejector with Automatic Steam Brake Valve	1 1/2" to 1' arrangement shown on outline of cab and boiler and 3" to 1' details of fittings	- .2.32	1932	-	B12	PT	D 069	-
30319	Piston Ring	6" to 1' elevation, section and plan of narrow piston ring Endorsed: see Mr. Gresley's letter of Jan 11 <sup>th</sup> 1932 ref. 18/14/12, 2/3305	- .2.32	1932	S69	B12	PT	D 069	-
30380	Nipple to suit Grease Gun	Full size details of nipple for grease lubrication Endorsed: superseded by Dg No 32455 5.35	- .2.32	1932	-	-	PT	D 057	-
30383	Arrangement of Firedoor	6" to 1' elevation, section and plan of firedoor for 'D & J' boiler 5' 1 1/8" diameter Endorsed: for firedoor details, see Dg No 29837; for firedoor slide and bars, see Dg No 30384; for firedoor doors, screen etc., see Dg No 30385; for general arrangement of boiler, see Dg No 29803; for alteration to screen, see Dg Nos 34695 and 34696 My comment: J16 and J17 were never rebuilt	- .2.32	1932	S46 D56 H88 F48 G58 E72 T77	D14 D15 D16 J16 J17 J18 J19	PT	D 040	-
30384	5' 1 1/8" Diam. Boiler for Engines D14, 15 & 16 & J16, 17, 18 & 19-Firedoor Slide and Bars	Full elevations and plan of 5 components Endorsed: altered 7.4.33	4.3.32	1932	-	D14 D15 D16 J16	PT	D 037	-

						J17 J18 J19			
30385	5Ft 11/8Ins Diar. Boiler for Engines Type D14, 15 & 16 and J 16, 17, 18 & 19-Firedoor Details	6" to 1' and full size details of 18 components Endorsed: altered 6.3.33	22.3.32	1932	-	D14 D15 D16 J16 J17 J18 J19	PT	D 068	-
30391	Engines Type B12-Long Travel Motion Front Valve Chest Cover	Full size elevations and section of cover Endorsed: altered 9.3.32 & 30.3.32	16.2.32	1932	-	B12	PT	D 065	-
30392	Engines Types B12-Long Valve Travel Motion Back Valve Chest Cover	Full size elevation and section of cover and details of oil cup Endorsed: altered 30.3.32	22.2.32	1932	-	B12	PT	D 065	-
30394	Sets of Steel Boiler Plates	Unscaled list of plates 15 to a set My comment: Stores Ordering drawing	- .1.34	1934	T26 C32 Y14	E4 F3 J15	PT	D 074	-
30396	Engines Types B12, J18, J19, J20-Cast Iron Bush for Cylinder Barrel	Full size section through centre of left hand barrel	6.2.32	1932	-	B12 J18 J19 J20	PT	D 067	-
30397	Engines Type B12-Long Valve Travel Motion-Crossheads for Valve Spindle	Full size elevation and plan of front and back end crossheads	25.2.32	1932	-	B12	PT	D 065	-
30398	0-6-0 Tender Engines Type J15 with Boilers to Dg No 9450E (Square Bottomed Fireboxes)-Alteration to Framing to Accommodate Boilers with Bevel Fireboxes	3" to 1' elevation and section showing framing between coupled wheels and alterations	- .2.32	1932	-	J15	PT	D 079	-
30399	Grease Cup for Axleboxes	Full size details of grease cup screwed into top of axleboxes for leading, driving and trailing axles on <u>inside</u> of frames, grease nipples on side of axlebox My comment: Dg No. 30220 dated 11.31 shows grease nipples and lubrication to side rods and connecting rods. Is this a scheme to grease lubricate J68s?	- .2.32	1932	C72	J68	PT	D 037	-
30400	Superheater Steel Smoke Tubes	Full size details of tubes 24 per set Endorsed: superseded by Dg No 34311 My comment: Stores Ordering drawing	- .2.32	1932	-	B17	PT	D 067	-
30404	Engines Type B12 with 5'6" Dia. Boilers-Axlebox Oilbox	Full size elevation, section and plan of oilbox	1.3.32	1932	S69	B12	PT	D 089	-
30405	Wheel & Axle (Trailer Bogie)	1½" and 3" to 1' elevations and section of wheelset for Clayton railcars My comment: GE area railcar No 61999	- .2.32	1932	-	-	PT	D 052	-
30406	Arrangement for Fitting New 2½" Tyres to Existing Wheel Centres (Engine Bogie)	3" to 1' and full size details for Clayton railcar My comment: GE area railcar No 61999 Copy of Darlington Dg No 14785-D 12.31	- .2.32	1932	-	-	PT	D 052	-
30409	Sets of Steel Boiler Plates	Unscaled-three separate tables of ordering drawings for plates; two	- .3.32	1932	B74	Y4	PT	D	-



		sets Y4, LM 7735; ten sets J66, LM 7732 and LM 7733; three sets J92, LM 7736 My comment: for new boilers?; Stores Ordering drawing			B77 T18 -	Y4 J66 J92		052	
30471	Hulberd Copper Joint Ring for Dome Cover	6" to 1' tracing made from sketch supplied by District Running Superintendent-Stratford No 1 District ref. 2892	- .3.32	1932	-	-	PT	D 047	-
30472	Engines Class B12 with 5' 6" Dia. Boiler- Westinghouse and Vacuum Brake Clips and Brackets	3" to 1' details of 5 components Endorsed: altered 11.10.33	- .4.32	1932	-	B12	PT	D 065	-
30473	Air Operated Resetting Tripcock for use with Westinghouse Brake	Full size elevation, section and plan of tripcock Endorsed: for details see Dg No 30481	- .4.32	1932	-	-	PT	D 053	-
30475	Engines Type B12 (8571 to 8580 Only)-Axlebox Lubrication Details	Full size elevations and plans of driving, intermediate and trailing axleboxes and details of fittings Endorsed: altered 7.11.34 & 10.50	- .4.32	1932	-	B12	PT	D 064	-
30475 -1	Engines Type B12 (8571 to 8580 Only)-Axlebox Lubricator Spring	Full size elevations and plan of spring	-	-	-	B12	PT	D 043	-
30477	Diagram of Rearranged Pipe Connections, to suit Proposed Air-Operated Resetting Tripcock to Dg No 30473	1½" to 1' diagram of pipe connections shown on 2-4-2T	- .4.32	1932	-	-	PT	D 047	-
30479	B12 Type Engines with Piston Valves built at Stratford 1920	Unscaled-three tables of engine weights for B12 type engine No 8516 with piston valves and fitted with Lentz valves in 1926	- .4.32	1932	S69	B12	PT	D 055	-
30480	Type B12 Engines with 5Ft 6Ins Diameter Boiler- Engs. Nos. 8571-8580-Exhaust Injector Details	Full size and 6" to 1' elevations and sections of pipework, brackets and flanges Endorsed: undated alterations for D14-16 rebuilds; for grease separators without extended flanges see Dg No 33514 17.1.35	- .5.32	1932	-	B12	PT	D 047	-
30480 Part	Exhaust Steam Pipe Connection in Smokebox B12 Type Engines Fitted with 5' 6" Dia. Boiler	Full size sections and elevations of pipe with flanges Endorsed: altered 13.4.33	19.4.32	1932	-	B12	PT	D 089	-
30481	Details of Air Operated Resetting Trip Cock for Westinghouse Brake	Full size details of numerous components Endorsed: for general arrangement see Dg No 30473	- .4.32	1932	-	-	PT	D 085	-
30483	Arrangement of Brick Arch & Deflecting Plate in Boiler	¾" to 1' section through firebox of Belpaire boiler	- .4.32	1932	S69	B12	PT	D 038	-
30487	Diagram of Crank Axle No 51	3" to 1' diagram with vertical section lines, marked P, Q, R, S. Endorsed: crank axle No 51 is shown on Dg No 33444 12.33, drawn at Doncaster	21.4.32	1932	-	-	PT	D 043	-
30487	Diagram of Crank Axle No 51	3" to 1' diagram Endorsed: crank axle No 51 is shown on Dg no 33444 12.33 drawn at Doncaster	17.5.32	1932	-	-	PT	D 043	-
30489	Motion Pin, Grease Lubricated	Full size standard motion pin 1⅜" outside diameter, hollow with plunger to feed grease My comment: probably a proposal as there is no indication of class	- .3.32	1932	-	-	PT	D 043	-
30491	Gorton Built 0-6-2T Type N7 No 2634-Sketch Showing Countersunk Bolts in Radial Axle Clip	1½" to 1' outline sketch of rear axle	- .4.32	1932	-	N7	PT	D 077	-
30492	Suggested Enlargement of Boss of Snifting Valve	Full size details of boss Endorsed: see Mr. Thompson's' letter to CME of 26.4.32. Corres. Ref. H2/6205	- .4.32	1932	-	-	PT	D 038	-
30493	Westinghouse Pump Air-Cylinder Lubricator fitted	Full size sketch of oil cup fitted to brake valve to Dg No 14956-D	- .4.32	1932	-	-	PT	D	-

	to ¾" Mark '2' Automatic Steam Brake Valve							060	
30496	Engines Types D14, D15 & D16-Connecting Rod for Engines Fitted with Piston Valve Cylinders to Dg No 30007	Full size elevations and plan of connecting rod Endorsed: altered 1.9.32 My comment: appears to be adapted from Darlington Dg No 14423	- .5.32	1932	-	D14 D15 D16	PT	D 085	-
30497	Snifting Valve: Bushing and Suggested Enlargement of Boss of Seating	Full size elevation and plan of boss Endorsed: Dg No 22333 altered to this 12.5.33	- .5.32	1932	-	-	PT	D 034	-
30499	Gresham & Craven Ltd-½" Automatic Steam Brake Valve (Mk 2)	Full size details to convert original valve to Mk 2 My comment: original valve Dg No 10245B/29 Copy of Gresham & Craven Dg No 10245C/32	- .5.32	1932	-	-	PT	D 037	-
30505	Diagram shewing Various Proposals for Gauge for Testing Hollow Wear of Tyres, and Disadvantages of Each	Full size diagrams showing three Railway Clearing House and one GWR gauges	- .5.32	1932	-	-	PT	D 041	-
30560	Arrangement of Isolation Cock for Auxiliary Control Pipe: Engines with 'H' Type Exhaust Injectors	1½" to 1' sketch elevation and plan of isolation cock on frame adjacent to smokebox, right-hand side and detail of pipe clip Endorsed: for combined nipple and isolating cock, see Dg No 33521; for pipework, see Dg No 30560	- .3.38	1938	S69	B12	PT	D 036	-
30564	Engines Type B12 with 5'6" Diameter Boiler-Shield for Trailing Axle Box	6" to 1' elevation and section of shield	10.5.32	1932	-	B12	PT	D 032	-
30566	Engine 8579 Oil Cup Adaptor	Full size details of adaptor My comment: drawing badly torn	- .5.32	1932	S69	B12	TI	D 078	-
30567	5" Water Gauge	Unscaled circular gauge graduated in "Feet of Water"	- .5.32	1932	-	J69	PT	D 066	-
30569	Boiler for Engines Types J65, J66 and J67-Boiler Details	3" to 1' elevations and plans of 6 components Endorsed: for general arrangement of boiler see Dg No 30568	18.6.32	1932	-	J65 J66 J67	PT	D 066	-
30570	Boiler for Engines Types J65, J66 & J67-Pads for Mounting on Backplate	Full size part elevation of backplate showing position of steel pads with 3 full size sections Endorsed: altered 9.32	- .5.32	1932	-	J65 J66 J67	PT	D 070	-
30571	Diagram showing the Loading Gauge with relation to the Top of a Loaded B17 Tender	1½" to 1' outline of loading gauge and top portion of tender	17.5.32	1932	-	B17	PT	D 010	-
30573	(6 Sketches of D15 Chimneys)	1½" to 1' sketches showing six different petticoat and blastpipe arrangements	- .1.33	1933	D56	D15	PT	D 010	-
30574	Engines Type B12 and J20-Superheater Steel Smoke Tube with Screwed End 4¾" Dia.	Full size details of tube Endorsed: for smoke tube with standard screwed end see Dg No 26900	17.5.32	1932	S69 D81	B12 J20	PT	D 010	-
30575	Superheater Steel Smoke Tubes with 4¾" Dia. Screwed End	Full size details of tube Endorsed: for smoke tube with standard screwed end 4¾" diameter see Dg No 30400	18.5.32	1932	-	-	PT	D 009	-
30576	Four Wheels Coupled Express Engines Type D15-Superheater Steel Smoke Tube with Screwed End 4¾" Diameter	Full size details of tube Endorsed: for smoke tube with standard end 4¾" diameter see Dg No 26901	18.5.32	1932	D56	D15	PT	D 010	-
30577	Four Wheels Coupled Express Engines Type D16-Superheater Steel Smoke Tube with Screwed End 4¾" Diameter	Full size details of tube Endorsed: for smoke tube with standard screwed end 4¾" diameter see Dg No 26902	18.5.32	1932	H88	D16	PT	D 010	-
30578	Six Wheels Coupled Tank Engines Type N7-	Full size details of tube	18.5.32	1932	L77	N7	PT	D	-

	Superheater Steel Smoke Tube with Screwed End 4 <sup>3</sup> / <sub>8</sub> " Diameter	Endorsed: for smoke tube with standard screwed end 4 <sup>3</sup> / <sub>16</sub> " diameter see Dg No 26903						010	
30582	Engine 8579: New Method of Lubrication for Journals	Statement regarding lubrication of bogie and coupled axleboxes	- .5.32	1932	S69	B12	PT	D 004	-
30588	Asbestos Clothing-4-4-0 Engines Type D15 with Boiler to Dg No 29803 (D16/3 Class)	1 <sup>1</sup> / <sub>2</sub> " to 1' plans of clothing mats Endorsed: see new drawing, same number, for engines with inspection door and future boilers	30.6.32	1932	-	D16/3	PT	D 004	-
30588	Asbestos Clothing-Engines Type D16/3 with Boiler to Dg No 29803	1 <sup>1</sup> / <sub>2</sub> " to 1' plans of clothing mats Endorsed: replaces earlier drawing of same number	2.4.35	1935	-	D16/3	PT	D 004	-
30588 -1	Engines Type D & J with Boiler to Dg No 29803	1 <sup>1</sup> / <sub>2</sub> " to 1' plan of single piece of asbestos millboard for firebox end	31.7.33	1933	-	-	PT	D 020	-
30588 -2	0-6-0 Engines Types J18, J19 with Boilers to Dg No 29803-Asbestos Clothing	1 <sup>1</sup> / <sub>2</sub> " to 1' plan of clothing mats	- .10.34	1934	E72 -	J18 J19/2	PT	D 012	-
30590 Att	Alteration to Attachment of Smokebox to Cylinders	3" to 1' details of attachment for class D16-3 8" PV	- .10.46	1946	-	D16/3	PT	D 004	-
30593	Details of Firebox Backplate Lagging & Coping 5'1 <sup>1</sup> / <sub>8</sub> " Dia Boiler	3" to 1' and full size elevation and section of lagging Endorsed: drawing altered; for 5'1 <sup>1</sup> / <sub>8</sub> " diameter boiler, see Dg No 29803; for rebuilds to D14/2 and D16/3	- .8.32	1932	S46 D56 H88	D14 D15 D16	PT	D 006	-
30594	Outside Framing	1 <sup>1</sup> / <sub>2</sub> " to 1' elevation and plan of outside framing and details of brackets and steps Endorsed: for engines rebuilt from GER classes D56 and H88 to class D16/3 with boiler to Dg No 29803; for GER class S46 engines with frames to Dg No 10493, see Dg No 30887	- .9.32	1932	-	D16/3	PT	D 004	-
30595	Firebox Steadying Bracket and Angle	3" and 9" to 1' and full size elevations and sections of castings and bracket Endorsed: for locomotives with boilers to Dg No 29803 and reservoir footplate castings to Dg No 12742; superseded by Dg No 33387, 27.5.37	- .5.32	1932	S46 D56 H88	D14 D15 D16	PT	D 005	-
30597 Att	Bronze Lug for Fitting to Chimney Cowl when Existing C.I. Lug is Broken Off	6" to 1' details of lug Endorsed: for chimney D16/3 and J19/2; see Dg No 30597; for chimney B12/3, see Dg No 29841; for petticoat D16/3, see Dg No 30597; for petticoat B12/3 and J19/2, see Dg No 29841	5.2.52	1952	-	B12/3 D16/3 J19/2	PT	D 018	-
30598	4-4-0 Engines Type D14, 15 & 16 with PV Cylinders and Boiler to Dg No 29803E-Cast Iron Steam Pipe Connection	Full size sections and elevation of pipe Endorsed: for future engines with 8" diameter piston valves see Attachment to this drawing 14.9.33; work to black 28.4.48	20.6.32	1932	-	D14 D15 D16	PT	D 019	-
30600 Att No 2	Engines Type D16/3 (Piston Valves) with "H" Type Exhaust Injector-Arrangement of Isolation Cock for Auxilliary Control Pipe	1 <sup>1</sup> / <sub>2</sub> " to 1' elevation and plan of cock Endorsed: for details of combined and nipple and isolating cock see Dg No 33521, for remainder of pipework see Dg No 30600	5.4.38	1938	-	D16/3	PT	D 019	-
30600 Att No 3	Engines Type D16/3 (Slide Valves with "H" Type Exhaust Injector-Arrangement of Isolation Cock on Auxilliary Control Pipe	1 <sup>1</sup> / <sub>2</sub> " to 1' elevation and plan of cock Endorsed: for details of combined and nipple and isolating cock see Dg No 33521, for remainder of pipework see Dg No 30600	.21.4.38-	1938	-	D16/3	PT	D 018	-
30601	Untitled	1 <sup>1</sup> / <sub>2</sub> " to 1' and full size sand filling hole position for G4 and F4, F5, F6 and F7 locomotives My comment: drawing unfinished but indexed	31.5.32	1932	S44 M15 M15R G69	G4 F4 F5 F6	PT	D 027	-

					Y65	F7			
30602	Engines Type B12 with Long Valve Travel Motion-Back Valve Chest Cover	Full size elevations and section of cover	- .6.32	1932	-	B12	PT	D 090	-
30608	Steam Chest Back Cover for Cyls. To Drg No 30007	Full size elevation, section and plan of cover for locomotives with 9½" piston valves	- .6.32	1932	S46 D56 -	D14 D15 D16/3	PT	D 059	-
30613	Suggested Alteration to Anti-Vacuum Valve Guide	Full size cross-section of valve guide Endorsed: alteration suggested by W. Miles of Engine Repair Shop 5.32	- .6.32	1932	-	B17	PT	D 018	-
30614	Adaptors for Existing Cylinders	3" to 1' and full size details of adaptor plates at back of cylinders to take new 'D & J' boiler tubeplates for J16, J17, D14, D15 and D16 Endorsed: for boiler to Dg No 29803; for D14, D15 and D16 cylinders, see Dg No 10499; for J16 and J17 cylinders, see Dg No 17573 My comment: adaption for J16 and J17 never done	- .6.32	1932	S46 D56 H88 F48 G58	D14 D15 D16 J16 J17	PT	D 040	-
30615	Vertical Pin Joint in N7 Side Rods-Proposed Alteration to Item D, Dg No 26286	Full size cross-section of pin joint Endorsed: superseded by Dg No 31060	- .6.32	1932	L77	N7	PT	D 033	-
30617	(Balance on Existing B12 Engines-Proposed Balance for B12 Engines)	Unscaled diagram showing balance weights on wheels	- .6.32	1932	S69	B12	PT	D 090	-
30618	¾" Automatic Steam Brake Valve Mark 2 Type	Full size arrangement of Gresham & Craven-type valve operated automatically from vacuum train pipe and with adjustable hand control. Copy of Darlington Dg No 14956-D, -.6.32; traced from Gresham & Craven Dg no 11025/32	- .6.32	1932	-	-	PT	D 043	-
30619	Engines Type F7-Arrangement of Steel Pads on Boiler Backplate for Group Standard Water Gauges	Full size part elevation of backplate showing position and sections of method of fixing	- .6.32	1932	-	F7	PT	D 061	-
30622	Water Separator for Westinghouse Pump Exhaust	Full size sectional elevations of separator bolted to underside of footplate	- .6.32	1932	S69	B12/3	PT	D 005	-
30624	Untitled	Unscaled simple plan of N7 bunker against front of D15, with buffers compressed, and smokebox door open My comment: purpose not clear, smokebox door possibly GNRy type	8.7.32	1932	L77 D56	N7 D15	PT	D 059	-
30626	Distance Piece for Hornblock Wedge Bolt	6" to 1' and full size outline of hornblock and detail	- .7.32	1932	-	-	PT	D 030	-
30627	Proposed Alteration to Driving Brake Block Hangers and Brake Rods	1", 1½" 3" to 1' details of alteration to driving brake hanger offset at bottom by 1½", pull rods altered by 1½" Endorsed: one engine to be altered for trial; all engines to be altered, ref. H1/9125, 26.8.32 and this alteration incorporated on Dg No 23148 11.45	- .7.32	1932	L77	N7	PT	D 081	-
30629	0-6-2T Type N7 with 3¹⁵⁄₃₂" Valve Travel Piston Valve Head with "Ring Control" of Steam and Alteration to Valve Bush to suit	Full size detail of piston valve head and bush Endorsed: bush superseded, see Dg No 28375 amended; for valve bushes for all future cylinders to Dg No 35613, see Dg No 35151 4.46	- .8.32	1932	L77	N7	PT	D 011	-
30630	Engines Type D15 with Belpaire Boiler-Blast Pipe	6" to 1' elevation, section and plan of pipe Endorsed: for relative position of chimney, petticoat and blast pipe	- .7.32	1932	-	D15	PT	D 004	-

		see Dg No 30306							
30631 -E1	Steel Steam Pipes for Superheater	3" to 1' details of pipes for engines with piston valve cylinders and boiler to Dg No 29803	29.7.32	1932	S46 D56 -	D14 D15 D16/3	PT	D 006	-
30632	Ejector Release Valve	Full size elevation and section of valve Endorsed: copy of Dg No 10928/32 Gresham & Craven Ltd, Manchester	6.11.31	1931	-	-	PT	D 007	-
30635	Schedule of drawings to be worked to when Rebuilding 'D' Type Engines, as under, to accommodate New Boiler to Dg No 29803	Schedule of drawings applicable to locomotives Nos 8780 to 8900 Endorsed: altered 11.2.33	- .12.32	1932	S46 D56 H88	D14 D15 D16	PT	D 013	-
30636	Engines Types B12, D15, 16-Rubbing Discs for Bogie Centre	Full size section and half inverted plan of top pad Endorsed: altered 2.34; cancelled see drawing same number	- .7.32	1932	-	B12 D14 D15 D16	PT	D 006	-
30636	Engines Type B12, D14, 15, 16-Rubbing Discs for Bogie Centre	Full size sectional elevation and inverted half plan of disc	- .6.39	1939	-	B12 D15 D16	PT	D 006	-
30637	Engines Type D14, 15, 16 with 'D' Valve Cylinders and Boiler to Dg 29803 and Steam Pipe Connection to Dg No 17538	3" to 1' details of sets of steel steam pipes for superheater	16.8.32	1932	S46 D56 -	D14 D15 D16/3	PT	D 007	-
30638	Boiler Plates for F6, E4, F3 and J15	Unscaled-two schedules of plates required	29.7.32	1932	-	F6 E4 F3 J15	PT	D 006	-
30638 -I	Firebox Throat Plate F6 Class	1" to 1' elevation and plan of plate My comment: Stores Ordering drawing	- .3.41	1941	G69	F6	PT	D 006	-
30639	Engines Types D14, 15, 16 with Piston Valves, Cylinders and Boiler to Dg No 29803E-Steam Pipe Joint with Lenticular Shaped Rings	Full size sections and plans of joints	16.8.32	1932	-	D14 D15 D16	PT	D 006	-
30640	Steam Chest Front Cover for Cylinders to Dg No 30007	Full size elevation, section and plan of cover	- .8.32	1932	S46 D56 -	D14 D15 D16/3	PT	D 007	-
30641	Sketch showing Oil Deflectors Fitted to C.E.D.G. Reduction Gear Casing	Unscaled sketch My comment: drawing is marked for locomotive No 8323, this is the Sentinel Wagon Co. Ltd. works No. The LNER classification was Y3 0-4-0T No 62. Copy of Sentinel Wagon Co. Ltd. sketch 2974	- .8.32	1932	-	Y3	PT	D 078	-
30642	D14, 15 & 16 Class Engines with Boiler to Dg No 29803E-Clothing Details	3" and 6" to 1' and full size details of various components Endorsed: altered 2.6.38	15.11.32	1932	-	D14 D15 D16	PT	D 025	-
30642 Att	Alterations to Spike Bands to Suit Pockets in Lagging for Reversing Gear Engines Types D14 to 16 with 9 1/2" Dia Piston Valves	Full size sections showing spike band to dome and front plate of cab	29.10.35	1935	-	D14 D15 D16	PT	D 025	-
30642 Att 2	Engines Type D16 with Boiler to Dg No 29803E- Alteration to Spike Band and Cab Front	Full size section and elevation of band	2.6.38	1938	-	D16	PT	D 025	-

30643	Piston Valve Bush	Full size details of bush Endorsed: cylinders to Dg No 30007; see amended Dg No 30643 for future bushes	- .8.32	1932	-	D16/3	PT	D 057	-
30643 Amend	8" Piston Valve Bush	Full size details of bush	- .7.42	1942	-	D16/3	PT	D 057	-
30644	Bronze Double Cone Joints for Copper Pipes (1" to 2 1/4" Bore Pipes)	Full size elevations and sections of 11 types and joint Endorsed: for future cone joints see Dg No 30644-I Copy of Dg No 15059D	- .7.32	1932	-	-	PT	D 057	-
30644 -I	Bronze Double Cone Joints for Copper Pipes (1" to 2 1/4" Bore Pipes)	Full size elevations and sections of 11 types and joint Copy of Dg No 15059D 6.32	24.6.32	1932	-	-	PT	D 084	-
30645	Single and Double Cone Joints for Copper Pipes (1/4" to 7/8" Bore Pipes)	Full size panels showing joints for 7 different pipe diameters Endorsed: altered 9.12.37 and 20.12.45 Copy of Darlington Dg No 15068D	16.6.32	1932	-	-	PT	D 084	-
30645	Single and Double Cone Joints for Copper Pipes (1/4" to 7/8" Bore Pipes)	Full size panels showing joints for 7 different pipe diameters Copy of Darlington Dg No 15068D 6.42	- .7.46	1946	-	-	PT	D 057	-
30645	Single and Double Cone Joints for Copper Pipes (1/4" to 7/8" Bore Pipes)	Full size panels showing joints for 7 different pipe diameters Endorsed: altered 20.12.45 Copy of Darlington Dg No 15068D 6.42	-	-	-	-	PT	D 057	-
30646	Drain for Whistle Base-Engines fitted with Boiler Steam Manifold to Dg No 28673	Full size details of whistle base drain	- .1.33	1933	-	-	PT	D 053	-
30730	Superheater Steel Smoke Tube with Screwed End	Full size details of 5 1/4" outside diameter tube Endorsed: for boiler, see Dg No 29803 My comment: Stores Ordering drawing	- .7.33	1933	D56 G58 T77	D15 J17 J19	PT	D 036	-
30731	Method of Clipping Copper Blowers Pipes GE Type Engines	Full size elevation and plan of pipe arrangement and details of clips My comment: drawing badly water stained	3.8.33	1933	-	-	PT	D 042	-
30732	Steel Superheater Smoke Tube with Screwed End	Full size sectioned elevation of tube, dimension for tubes with outside diameter 4 3/8" or 4 1/2" or 4 9/16" Endorsed: drawing supersedes Dg No 26902 My comment: drawing water damaged	- .8.33	1933	H88	D16	PT	D 005	-
30769	Arrangement of Right Hand Handrail, Engines D14, D15, D16 with Smokebox to Dg No 30590	Full size elevations and plan of handrail	- .8.32	1932	S46 D56 H88	D14 D15 D16	PT	D 004	-
30769 Att	Arrangement of Right Hand Handrail, Engines Type D14, D15, D16 with Smokebox to Dg No 31541	Full size elevations and plan of handrail	- .11.35	1935	S46 D56 H88	D14 D15 D16	PT	D 004	-
30770	Blast Pipe	6" to 1' sectional elevations Endorsed: superseded by later drawing same number	- .9.32	1932	-	B17	PT	D 006	-
30770 -B	4-6-0 Engines Type B17-Blast Pipe	6" to 1' sections and plan of blast pipe Endorsed: altered 12.34	- 12.33	1933	-	B17	PT	D 006	-
30771	Malleable Iron Dust Shield for Engine Axles	Full size elevation and plan of shield	30.8.32	1932	S69 S46 D56 H88	B12 D14 D15 D16	PT	D 008	-
30772	Relative Dimensions of Chimneys Liners & Blast Pipes	Unscaled diagram of smokebox with table of dimensions and table of drawing numbers	- .6.33	1933	-	-	PT	D 076	-

		Endorsed: superseded by Dg No 35418 (I-715-N) 12.10.43; for all ex-GER engines							
30773	Engine Types D14, I5 & I6 with Boiler to Dg No 29803-Arrangement of Trailing Sandbox & Gear	3" to 1' arrangement inside cab of sandbox and gear Endorsed: for cab arrangement, see Dg No 30589; for sanding details, see Dg No 30793; for hinges and catch, see Dg No 22384; for cast box top, see Dg No 22640	- .10.32	1932	S46 D56 H88	D14 D15 D16	PT	D 009	-
30774	Engines Type B12, D14-D16-Valve Spindle Crosshead and Valve Rod Link	Full size elevation, section and plans of crosshead and link Endorsed: altered to red for D14, D15, D16 with 9½" diameter piston valves; for B12 steam chest cover, see Dg No 30602; for D14, D15, D16 piston valve cylinders, see Dg No 30007; for crosshead cotter, see Dg No 30204	- .9.32	1932	S69 S46 D56 H88	B12 D14 D15 D16	PT	D 011	-
30775	Proposed Standard Steel Superheater Flue Tube	Full size details of tube	- .8.32	1932	-	-	PT	D 044	-
30780	Boilers for Type J92 Engines-Firebox with Direct Stays in Place of Roof Bars	1½" to 1' sectional elevations and plan of firebox Endorsed: for GA of boilers see Dg No 14857; for details of stays, etc see Dg No 30786	22.9.32	1932	-	J92	PT	D 014	-
30781	Firebox Steadying Bracket	Full size elevations of bracket and 3" to 1' arrangement drawing Endorsed: see Dg No 30595 for bracket and angle for engines with large reservoir footplate; for D14 class (and later D16/3 class) engines with boiler to Dg No 29803 and with small reservoir footplate	- .9.32	1932	S46 -	D14 D16/3	PT	D 004	-
30782	Arrangement & Details for Brake Release Spring	6" to 1' details of spring on steam brake Copy of Darlington Dg No 15133-D	- .8.32	1932	-	J39	PT	D 012	-
30785	Piston Stuffing Box & Gland for W. H. Pump	Full size elevation, section and plan of components	- .9.32	1932	-	-	PT	D 039	-
30786	Boiler for Crane Engines Type J92-Boiler Details	Full size details of stays, safety valve seating, brackets Endorsed: for general arrangement of boiler, see Dg No 14857; for arrangement of direct stays, see Dg No 30780	- .9.32	1932	-	J92	PT	D 011	-
30788	Main Steam Pipe Cones-Cones to be Used when Pipes are Repaired, Shortened and Replaced	Full size sections of 5 cones and list of applicable LNER designed classes	8.10.32	1932	-	-	PT	D 004	-
30788 Att	Main Steam Pipe Cones for Use when Pipes are Repaired, Shortened and Replaced	Full size sectional elevation of two cones, for WD 2-8.0 and D16/3 and J19/2 classes	4.7.49	1949	-	O7 D16/3 J19/2	PT	D 048	-
30790	Arrangement of Motion Pin Lubrication	Full size details of top pin of combination lever, made hollow to act as oil reservoir	- .10.32	1932	L77	N7	PT	D 012	-
30792	Pocket in Lagging and Cover, for Reversing Rod and Screw	Full size details for engines with reversing gear to Dg No 30127	- .10.32	1932	S46 D56 H88	D14 D15 D16	PT	D 021	-
30793	Trailing Sanding Gear Details	3" and 6" to 1' and full size details of fourteen components plus schedule Endorsed: for engines with boiler to Dg No 29803	- .10.32	1932	S46 D56 H88	D14 D15 D16	PT	D 033	-
30796 30797	Express Engines Type B12 with 5'6" Dia. Boilers	Diagrammatic drawing of plates, etc. with dimensions and diagrams of boiler angles; tees; flats and steel boiler plates My comment: Stores Ordering drawing	15.1.35	1935	S69	B12	PT	D 024	-
30798	Diagram showing Horizontal Lubricating Pipes to	1" to 1' side elevation of engine showing pipe runs	- .10.32	1932	-	B17	PT	D	-

	Axleboxes from Lubricators on Backplate of B17 Type Engines							033	
30799	Diagram of Horizontal Lubricating Pipes to Axleboxes from Wakefield's 'Fountain' Lubricator on Cab Side of B-17 Type Engines	1" to 1' elevation of side of engine and elevation of cab showing pipe runs	- .10.32	1932	-	B17	PT	D 033	-
30860	Method of Applying Grease Lubrication to Eccentric Straps by Altering Oil Cavities	Full size elevation and plan showing arrangement	18.10.32	1932	-	-	PT	D 063	-
30863	Alteration to Left-Hand Footstep required when Exhaust Steam Injector with L. H. Overflow is fitted	6" to 1' and full size details of alteration for engine types D15 and D16 with frames to Dg No 30594, and engines type B12 with frames to Dg No 30390	- .10.32	1932	S69 S56 H88	B12 D15 D16	PT	D 083	-
30864	Rod and Pipe Details, Steam Heating, Injectors, Mechanical Lubricator, Gauge Brackets and Whistle Extension Engines Types D14, 15 & 16 with Boiler to Dg No 29803-E	3" and 6" to 1' and full size elevations, sections and plans of components Endorsed: addition made 18.1.34	30.11.32	1932	-	D14 D15 D16	PT	D 086	-
30868	Engines Types D14, 15 & 16 with Boiler to Dg No 29803-Westinghouse and Vacuum Brake Details, Clips, Bracket, etc.	3" and 6" to 1' and full size details of 22 components Endorsed: altered 7.35	9.11.32	1932	-	D14-15	PT	D 014	-
30869	Engines Type D14, 15 and 16 with Boilers to Dg No 29803E-Westinghouse and Vacuum Brake Details, Castings, etc	Full size details of 6 components	9.11.32	1932	-	D14 D15 D16	PT	D 013	-
30871 Att	Engines Type D16/3 (with Slide Valve Cylinders)- Modified Butt Strip Securing Smoke Wrapper Plate to Frame	6" to 1' elevation and section of fixing	14.8.42	1942	-	D16/3	PT	D 053	-
30873	Proposed Alteration to Injector Delivery and Steam Heating Pipes	1½" to 1' part outline of engine, side elevation and cross-section Endorsed: shows top feed altered to centre line position 19,9,31; was formerly Dg No 22843 Att	- .7.21	1921	K85	N7	PT	D 054	-
30874	Six Wheels Coupled Radial Tank Engines- Lubrication Arrangements and Alteration to Pipes to Suit Engines Class K89	1½" to 1' arrangement shown on part outline elevations and plan of engine Endorsed: for other dimensions see Dg No 22843; this was previously No 2 Attachment to Dg No 22843	2.11.23	1923	-	N7	PT	D 070	-
30875	Mechanical Lubricator Details	3" to 1' and full size details for piston valve engines with cylinders to Dg No 30007	- .11.32	1932	S46 D56 H88	D14 D15 D16	PT	D 051	-
30875	Mechanical Lubricator Details	3" to 1' and full size details of operating rods, etc. for drive	- .4.33	1933	S46 D56 H88	D14 D15 D16	PT	D 053	-
30878	Arrangement of Ashpan Bearer Brackets	3" to 1' arrangement of brackets Endorsed: for engines with boiler to Dg No 29803; for details of brackets, see Dg No 22840; for ashpan, see Dg No 12847	- .11.32	1932	S46 D56 H88	D14 D15 D16	PT	D 053	-
30879	Oiling Arrangement for Piston Rod	Full size details for four-bar guides, oilbox, mop holder, etc.	- .11.32	1932	S46 D56 H88	D14 D15 D16	PT	D 053	-
30881	Link for Air Operated Water Scoop to Dg No 22348 on GE Tenders	Full size details of link length to be 7¾" or less, in ¾" stages My comment: presumably to suit worn tyres	- .11.32	1932	-	-	PT	D 062	-
30882	Bogie Axlebox	Full size elevations, sections and plans of bronze axlebox, oil tray,	- .1.33	1933	S69	B12	PT	D	-



		etc. Endorsed: superseded by Dg No 31342						047	
30883	New Position of Slide Bar Oilboxes	3" to 1' details of oilbox and position on slide bar shown Copy of Darlington Dg No 15132-D	29.7.32	1932	-	J38 J39	PT	D 015	-
30884	Bogie Axlebox Oiler	Full size elevation, section and plan of oiler Copy of Darlington Dg No 8611-D 12.13	- .11.32	1932	-	A8 B16 C7 H1 J38 J39	PT	D 067	-
30885	Engines Types D14, D15 & D16 with Boilers to Dg No 29803-E-Exhaust Steam Pipe Connection in Smokebox	Full size elevations of pipe and flanges Endorsed: undated alteration	24.11.32	1932	-	D14	PT	D 062	-
30887	Engines Type D14 with Boiler to Dg No 29803-E and Frame to Dg No 10490-E-Additional Stay between Main Frame and Angle of Outside Frame	3" to 1' elevations and plan showing stay and its position	30.11.32	1932	-	D14	PT	D 010	-
30890	Arrangement of Pipe for Draining Water from Westinghouse and Vacuum Exhaust Steam Pipes	3" to 1' elevation, section and plan of pipe Endorsed: pencil note 'Eng 7054', presumably for trial	- .11.32	1932	-	J69	PT	D 070	-
30891	Arrangement of Cylinder Cock and Mechanical Lubricator Gear Types D14, 15, 16 with Boiler to Dg No 29803E and Piston Valve Cylinders	1½" to 1' arrangement shown on part side elevation and plan for front of frame Endorsed: altered 9.1.33 and 30.6.39	9.12.32	1932	-	D14 D15 D16	PT	D 066	-
30892	0-6-0 Engines Type J68-Grease Lubricated Motion Details-Castings	Full size elevations and sections of valve spindle guide, two way grease box and crosshead cover and reversing shaft bracket	- .12.32	1932	-	J68	PT	D 049	-
30893	Details of Cylinder Cock Gear	3" and 6" to 1' elevation, section and plan of gear for piston valve engines.	- .12.32	1932	-	D16/3	PT	D 066	-
30894 -1-6	Material Sets	Unscaled-6 pages for sets of steel sheets: 1. Steel angles and tees 2. Steel cleading sheets 3. Steel plates 4. Steel flats 5. Steel plates Endorsed: marked LM435 – 10 sets called for; see Dg No 31749 4.34	- .1.33	1933	-	B12/3	PT	D 066	-
30895	Engines Types D14, 15 & 16-Slide Valve, Cylinders and Boiler to Dg No 29803E-Cast Iron Tee Piece for Steam pipe Connection	6" to 1' elevation and sections of tee piece Endorsed: altered 2.4.48	- .1.33	1933	-	D14 D15 D16	PT	D 066	-
30897	Grease Lubricated Motion Details	Full size elevation and plan of gudgeon pin, eccentric rod pins, links etc	- .1.33	1933	-	J68	PT	D 045	-
30898	Boiler Stay Tube-275 PSI 200HP Coal Burning Boiler 10460	Unscaled details of tube Copied from Sentinel WW Ltd Dg No 10475A	- .12.32	1932	-	Sentinel	PT	D 040	-
30899	Alterations to Injector Rods	Full size details of alteration, injector water cock control rod in cab	- .12.32	1932	-	N7	PT	D 052	-
30950	Arrangement and Details of Adapter for Steam Heating Cock on Engines and Tenders	Full size elevations and plan of cock with instructions	- .12.32	1932	-	-	PT	D 016	-
30953	Additional Wash-out Plugs in Smokebox Tubeplate	1½" to 1' view on smokebox tubeplate	- .12.32	1932	-	J27	PT	D	-

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30954	Engines Type D14, 15, 16 with Piston Valve Cylinders-Distance Pieces between Bogie Stretcher and Cylinders	6" to 1' elevations and plan showing position of distance pieces	22.12.32	1932	-	D14 D15 D16	PT	D 037	-
30956	Staybolt for Cylinder Cover	Full size details of staybolt at edge of frame; not possible to fit stud, for piston valve engines	- .12.32	1932	-	D16/3	PT	D 061	-
30957	G.E. Section Engines-Diagrams of Reversing Shafts	3" to 1' diagrams of 4 types with dimension tables and drawing numbers	- .12.32	1932	-	-	PT	D 076	-
30958	Vertical Boiler- I Set Boiler Plates, I Set Mild Steel Tubes	Unscaled details of plates and tubes to LM6386 My comment: Stores Ordering drawing	- .12.32	1932	-	-	PT	D 043	-
30962	5'6" Diar Boilers Type B12 (to Dg No 29642E)-Regulator	Full size sections, elevations and plan of regulator and schedule of components	24.1.33	1933	-	B12	PT	D 032	-
30972	Sets Steel Steam Pipes for Superheater	3" to 1' details of pipes Endorsed: for engines with boiler to Dg No 29803 (D&J round top) and slide valves My comment: Stores Ordering drawing?	- .2.33	1933	-	D16/3	PT	D 061	-
30973	5'6" Diar. Boilers Type B12-Brackets (Dg No 29604E) with Regulator (to Dg No 30962E)-Pad for Regulator Stuffing Box	Full size elevation and section	2.2.33	1933	-	B12	PT	D 061	-
30976	Gresham Craven ¾ Inch Mark 2 Steam Brake Valve-Sketch Showing Position of Warming Hole	Full size section of component Endorsed: part copy of Dg No 14956	- .1.33	1933	-	-	PT	D 061	-
30977	B12 Engines with 5' 6" Diameter Boilers-Steel Steam Pipes	3" to 1' details of pipes	24.1.33	1933	-	B12	PT	D 090	-
30978	Steel Plate Cab Roof	1½" to 1' arrangement of roof with sliding ventilator and full size details	- .1.33	1933	-	D13	PT	D 061	-
30979	Coupling Rods and Crank Pins 0-6-2 Superheated Tank Locomotives Class N7 with Side Play at Leading End	6" to 1' elevation and plan of rods and pins and schedule of components Endorsed: altered 29.7.40 & 3.11.54	22.2.33	1933	-	N7	PT	D 043	-
31040	Arrangement of ACFI Pump Type No. 2 Integral	6" to 1' arrangement of pump. 1 steam cyl and 2 water cylinders Traced from ACFI Dg No 25P	- .9.33	1933	-	B12	PT	D 037	-
31041	ACFI Pump Type No 2 Integral Hot Water Cylinder Vapour Valve Body	Full size sections and elevation	10.32	1932	-	-	PT	D 020	-
31043	ACFI Pump No – Integral-Piston Reversing Plate	Full size section and elevation of plate	10.32	1932					
31044	A.C.F.I Pump Type No 2 Integral-Main Steam Valve Liner End Plug	Full size elevation and plan of plug Endorsed: traced from ACFI Dg No 11P/D	- .3.34	1934	-	-	PT	D 020	-
31045	A.C.F.I. Pump Type No2 Integral-Steam Piston	Full size elevation, plan and section of piston							
31047	A.C.F.I. Pump Details	Full size details of 12 components	- .10.32	1932	-	-	PT	D 020	-
31048	ACFI Pump Type No 2 Integral-Hot Water Cylinder.	6" to 1' arrangement and sections of cylinder Endorsed: see Dg No 31053 for cylinder liner	- .8.33	1933	-	B12	PT	D 036	-

31050	ACFI Part Details-Type No 2 Integral Dg 12P-A-H	Full size and twice full size details of 9 components	- .10.32	1932	-	-	PT	D 020	-
31051	A.C.F.I. Pump Type No 2 Integral-Cold Water Piston, Hot Water Piston, Main Steam Valve Liner	Full size section and plan of the 3 components My comment: drawing water damaged	- .3.34	1934	-	B12	PT	D 036	-
31052	A.C.F.I. Pump Type No 2 Integral-Delivery Valve, Delivery Valve Seating, Delivery Vapour Valve	Full and twice full size elevations, plans and sections of 3 components My comment: drawing water damaged	- .3.34	1934	-	B12	PT	D 036	-
31053	A.C.F.I. Pump Type No 2 Integral Cold Water Cylinder Liner, Hot Water Cylinder Liner, Suction Valve, Suction Valve Seat, Valve Bush	Full and twice size and 6" to 1' details of 4 components Copy of ACFI Dg No 2P/A-B My comment: drawing water damaged	- .4.34	1934	-	B12	PT	D 036	-
31055	ACFI Pump Type No 2 Integral-Piston Rod	6" to 1' details of rod and fitting instructions diagram My comment: drawing water damaged	- . - .33	1933	-	B12	Pt	D 036	-
31056	Bogie Axles	1 1/2" to 1' details of forging My comment: Stores Ordering drawing Copy of Darlington Dg No Part 13250-D 1	- .2.33	1933	-	B17	PT	D 042	-
31057	Eccentric Sheave Journal with Solid Keys	Full size elevation, section and plan of journal for B12s with built-up crank-axle	- .2.33	1933	-	B12	PT	D 032	-
31057 -I	Eccentric Sheave Journal with Solid Keys	Full size elevation, section and plan of journal for B12s with built-up crank-axle	- .8.34	1934	-	B12	PT	D 032	-
31060	Vertical Pin & Knuckle of N7 Side Rods.	Full size sections of knuckle pin for new and reconditioned rods. See Dg No 30979 for new rods	- .2.33	1933	-	N7	PT	D 033	-
31062	Alteration to Westinghouse and Vacuum Brake Pipes at Front End of B17 Engines to suit 2' 0" Westinghouse Hose Pipe	1 1/2" to 1' scrap elevations and plan of buffer beam, elevation of brackets and pipe elbow and full size details	- .2.33	1933	-	B17	PT	D 033	-
31063	Superheater Steel Smoke Tubes with Screwed End	Full size details of tubes – 4 5/16" dia at screwed end My comment: Stores Ordering drawing	- .2.33	1933	-	B12 J20	PT	D 064	-
31065	Superheater Steel Smoke Tube with Screwed End	Full size details of 5" dia tube, 12' 3 3/4" long overall My comment: Stores Ordering drawing, differs slightly from Dg No 31066	- .2.33	1933	-	D15	PT	D 033	-
31066	Superheater Steel Smoke Tube with Screwed End	Full size details of 5" dia tube, 12' 3 3/4" long overall My comment: Stores Ordering drawing, differs slightly from Dg No 31065	- .2.33	1933	-	D15	PT	D 033	-
31067	Superheater Steel Smoke Tube with Screwed End	Full size details of tubes 4 3/8" at screwed end My comment: Stores Ordering drawing	- .2.33	1933	-	B12 J20	PT	D 064	-
31068	Engs. Type B12 with 5Ft 6Ins Diameter Boiler (Dg 29642) with Regulator to Dg No 30962-Regulator Stuffing Box and Details	Full size elevations, section and plan of 5 components with schedule Endorsed: altered 6.5.33 and 13.12.56 My comment: drawing badly water damaged	28.2.33	1933	-	B12	PT	D 053	-
31069	Engines Type D15 with Piston Valves-Blast Pipe	6" to 1' elevations, section and plan of blast pipe	15.2.33	1933	-	D15	PT	D 033	-
31069 Att	Engines Type D15 with Piston Valves-Experimental Blast Pipe Cap	6" to 1' sectional elevation and plan	- .4.33	1933	-	D15	PT	D 033	-
31070	(Drawing List)	Unscaled list on 3 pages of 112 drawings for conversion of B12 with 5' 6" boiler: 47 relating to boiler; 13 for 13 smokebox; 8 for cab; 1 for framing; 4 for ashpan; 4 for brake; 9 for clothing and 26 for cylinders and	17.2.33	1933	-	B12/3	PT	D 061	-

		motion							
31071	Driving & Trailing Axles	1½" to 1' elevation and sections of axles My comment: Stores Ordering drawing Copy of Darlington Dg No 13250-D 5.29	- .2.33	1933	-	B17	PT	D 073	-
31072	Proposed Alterations to Sand Rods of J68 & J69 Engines	Full size details of alterations My comment: presumably trailing sands in cab	- .2.33	1933	-	J68 J69	PT	D 056	-
31073	Engines Type B12 with Long Travel Valve and Back Set Expansion Link, Piston Valve Bushing for Old Cylinders	Full size section of piston valve bushing and development of steam ports inside and outside	18.2.33	1933	-	B12	PT	D 068	-
31076	Oilpad for Bogie Axlebox	Full sizedetails of oilpad Endorsed: partly traced from Dg No 29081 for axle boxes to 30882 (cancelled 7.33)	- .2.33	1933	-	B12	PT	D 065	-
31078	Sketch Showing Cracks in Steel Boiler Throat Plate	3" and 6" to 1' sketch of cracks relating to engine No 2814 Endorsed: superseded by tracing of same date	- .3.33	1933	-	B17	PT	D 036	-
31078	Sketch Showing Cracks in Steel Boiler Throat Plate	3" and 6" to 1' sketch of cracks relating to engine No 2814 Endorsed: supersedes tracing of same number and date	- .3.33	1933	-	B17	PT	D 036	-
31093	B12 Type Engines with 5' 6" Diameter Boiler-Bogie Spring	6" to 1' elevation, plan and section of inverted 13 plate spring 4' 1¼" centres unloaded Endorsed: 1 engine to be fitted; to be standard 23.12.33	7.3.33	1933	-	B12	PT	D 037	-
31094	Superheater Steel Smoke Tube with Screwed End	Full size details of tube Endorsed: cancelled, see new drawing same number	-	-	-	B12/3	PT	D 065	-
31094	Superheater Smoke Tube (Steel) with Screwed End	Full size details of tube Endorsed: replaces drawing of same number	- .11.35	1935	-	B12/3	PT	D 064	-
31095	Engs. Class B12, J19-2, J20-Valve Bushing for Engines Fitted with Cylinders to Dg No 29864 and Motion to Dg No 22354	Full size sectional elevations of piston valve and development of bush Endorsed: for future bushes with new arrangement of ports see amended Dg No 31095	- .3.33	1933	-	B12	PT	D 055	-
31095 Amend	Engs. Class B12, J19-2, J20-Piston Valve Bushing	Full size sectional elevations of piston valve and development of bus Endorsed: altered 3.53	- .7.42	1942	-	B12 J19/2 J20	PT	D 036	-
31096	Sets of Steel Boiler Plates	Unscaled details of boiler plates: J66 Ref 1-15 20 sets 4 'LM' nos; and J69 Ref 1-18 5 sets LM7744	- .3.33	1933	-	J66 J69	PT	D 055	-
31097	Steel Boiler Angle Rings	Unscaled details of tubeplate angle rings My comment: Stores Ordering drawing	- .3.33	1933	-	-	PT	D 037	-
31098	Radius Link Bracket	1½" to 1' details of steel casting Copy of Darlington Dg No 13192-D 4.29	- .3.33	1933	-	B17	PT	D 058	-
31099	Drag Beam	1" to 1'details of steel casting Copy of Darlington Dg No 13193-D 5.29	- .3.33	1933	-	B17	PT	D 058	-
31100	Motion Lever Bracket & Frame Stay	1½" to 1' details of steel casting Copy of Darlington Dg No 13196-D 2.29	- .3.33	1933	-	B17	PT	D 058	-
31101	Slide Bar Bracket	1½" to 1' details of steel casting Copy of Darlington Dg No 13194-D	- .3.33	1933	-	B17	PT	D 058	-
31102 Amend	Steel Forgings for Foundation Rings	1½" to 1' details of steel forgings for 'D&J' boilers to Dg No 29803 My comment: Stores ordering drawing	- .3.33	1933	-	-	PT	D 057	-

31105	Engines Types 'D' and 'J'-Round Top Boiler to Dg No 29803-Sets of Boiler Tees and Plates	Sketches of components My comment: Stores Ordering drawing	- .3.33	1933	-	-	PT	D 044	-
31105	Steel Boiler Tees & Steel Boiler Plates	Unscaled details of plates and tees for 'D&J' round top boiler to Dg No 29803 My comment: Stores ordering drawing	- .1.35	1935	-	-	PT	D 056	-
31106	Firebox Screens and Tray	6" to 1' elevation, section and plan of screen and tray Copy of Darlington Dg No 15252-D	2.12.32	1932	-	B17	PT	D 036	-
31108	Steel Steam Pipes for Superheater	3" to 1' details of pipes	- .3.33	1933	-	B12 J18 J19 J20	PT	D 055	-
31115	4,000 Gallon Tender to Dg No 12770C-Axlebox	Full size elevation, plan and section of axlebox and schedule of materials	- .7.33	1933	-	-	PT	D 058	-
31116	Steel Steam Pipes for Superheater	3" to 1' details of main steam pipes to cylinders 4 3/4" inside diameter	- .4.33	1933	-	J18 J19	PT	D 049	-
31117	Cast Iron Steam Pipe Connection for B12 Engines with 5' 6" Dia Boiler	6" to 1' elevations of connection Endorsed: see Dg No 35014 for lenticular joint connection	- .3.33	1933	-	B12/3	PT	D 017	-
31118	Engines Type B12-Cast Iron Steam Pipe Connection	6" to 1'; elevations and plan of pipe, 2 per set	19.4.33	1933	-	B12	PT	D 018	-
31123	4.6.0 Engines Type B12-Bogie Axlebox Oil Box	Full size elevation, section and plan of oil box My comment: Stores ordering drawing	-	-	-	B12	PT	D 090	-
31124	Proposed Alteration to Snifting Valves	Full size details of alteration; appears to be extension piece between header and valve.	- .4.33	1933	-	-	PT	D 059	-
31126	Steel Forgings for Brake Shaft Brackets for Tenders	3" to 1' elevation, section and plan of forgings for tenders to dia 121-small My comment: Stores Ordering drawing	- .4.33	1933	-	-	PT	D 059	-
31128	Engines N7 Type Fitted with Wakefield's "Eureka" Lubricator-Lubricator Protection Plate	Full size details of plate	12.6.33	1933	-	N7	PT	D 030	-
31129	Boiler Pad for Whistle Mounting	Full size elevation and section of pad Endorsed: see Dg No 29642 for position on B12 boiler; Dg No 29803 for position on D14, D15 & D16 boilers; Dg No 29829 for whistle & base	- .5.33	1933	-	B12/3 D14 D15 D16	PT	D 034	-
31203	Steel Steam Pipes for Superheater	3" to 1' details of pipes for engines J18 & J19 with boiler to Dg No 39803 ('D&J')	31.7.34	1934	-	J18 J19	PT	D 007	-
31204	Steam Pipe Connection Engines Type J18, J19 with Boiler to Dg No 29803	6" to 1' details of connection Endorsed: shape of flange altered 28.4.48	1.8.34	1934	-	J18 J19	PT	D 007	-
31206	Blast Pipe Cap and Blower Ring-Engines Types J18-19 with Boilers to Dg No 29803E	6" to 1' elevation, section and plan of assembly and full size details of components	20.8.34	1934	-	J19	PT	D 069	-
31207	Engines Type J18-19 with Boilers to Dg No 29803-E-Vacuum Exhaust Pipe and Elbow	Full size elevation of pipe with elevations and sections of elbows Endorsed: altered 10.34	- .8.34	1934	-	J18 J19	PT	D 086	-
31208	Firebox Steadying Bracket	Full size elevation, section and plan of bracket	- .8.34	1934	-	J18 J19 J19/2	PT	D 086	-
31209	Sand Gear Details	1 1/2", 3" and 6" to 1' details of rods, brackets and sandpipes for	- .1.35	1935	-	J19/2	PT	D	-

		rebuild with Dg No 29803 boiler						086	
31210	Trailing Axlebox	Full size elevations, sections and plans of axlebox for J19/2 with boiler to Dg No 29803	- .3.35	1935	-	J19/2	PT	D 086	-
31213	Engines Type J19 (Rebuilt)-Axlebox Covers	Full size plan of cover for driving and trailing wheels	28.1.35	1935	-	J19	PT	D 012	-
31221	Position of Drip Valve on Vacuum Pipe at Back End of Tender	1 1/2" to 1' outline elevation and plan of end of tender frame showing position	- .3.39	1939	-	-	PT	D 041	-
31225	Distance Piece for Blow-off Cock on B12 Boiler to Dg No 29642	Full size elevation and plan scrap view side elevation of blow-off cock and distance piece and firebox side	-	1935	S69	B12	PT	D 004	-
31226	Engines Type N7 Fitted with Detroit Four Feed Lubricator-Lubricator Shield	Full size details of shield Endorsed: see new drawing, same number	- .5.33	1933	-	N7	PT	D 011	-
31226	N7 Engines Fitted with Detroit Four Feed Lubricators-Lubricator Shield	Full size details of shield Endorsed: supersedes drawing same number dated 5.33	- .8.34	1934	-	N7	PT	D 011	-
31227	Sketch Showing Position of Additional Wash Out Plugs on Throat Plate of Engine No 8900 and Boilers to Dg No 29803 with Blow Off Cock on Throat Plate	Full size plan of plugs	- .5.33	1933	-	D16	PT	D 077	-
31228	Manifold Extension for Ash Ejector Steam Cock	3" to 1' arrangement showing position of cock and full size details of manifold Endorsed: altered 12.2.34	8.5.33	1933	-	B12 D16	PT	D 058	-
31229	Quadrant Link Saddle Pin Lubrication-Arrangement of Independent Oil Feed on Engines Type N7	3" to 1' arrangement of oil feed on N7s with long and short travel types and positioning of oil boxes on motion plate with full size details	- .5.33	1933	-	N7	PT	D 011	-
31230	Diagram of Pipe Connections for Air Operated Resetting Trip Cock	1 1/2" to 1' diagram shown on outline of engine cab and wording of instructions for East London line working	12.5.33	1933	-	-	PT	D 011	-
31231	Piston Rings	Sketches on 2 sheets showing sections of pistons with rings	- .5.33	1933	-	B12 B17 D14-16 N7	PT	D 068	-
31232	Gresham & Craven 1/2 In Automatic Brake Valve-Sketch Showing Position of Warming Hole	Full size section	- .5.33	1933	-	-	PT	D 068	-
31233 -1	200HP Sentinel Engine Boiler Top and Bottom Joints	1 1/2" to 1' plan and elevation of joints Endorsed: see Sentinel Wagon Works Dg No 9225 Copied from Sentinel Wagon Works Dg No 9297C and 9497D	18.5.33	1933	-	-	PT	D 001	-
31234	Slide Valve	Full size My comment: Stores Ordering drawing slide valve Copied from Dg No 3586-E	- .5.33	1933	-	F4 F5 F6	PT	D 050	-
31235	Steel Boiler Angle Rings	1 1/2" to 1' elevations of rings	22.5.33	1933	C53	J70	PT	D 001	-
31236	Sets of Steel Boiler Plates	Unscaled-two tables of sets of plates for Y5 (G40)-4 sets and J70 (C53)-3 sets My comment: Stores Ordering drawing	- .5.33	1933	G40 C53	Y5 J70	PT	D 077	-
31238	Sketch of Alterations to Tyres	Full size sketch of alterations fro all types Endorsed: to accompany Mr Gresley's letter of 11.5.33-ref H2/2983	- .5.33	1933	-	-	PT	D 042	-

31239	N7 Type Engines-Steel Steam Pipes for Robinson Superheater	3" to 1' elevations of 4" pipe	6.10.33	1933	-	N7	PT	D 013	-
31240	Union and Nipple for Draining Vacuum Exhaust Pipe	Full size details of components Endorsed: nipple altered 15.9.33	- .6.33	1933	-	B12 F5 N7	PT	D 036	-
31240	Nipple for Drain on Vacuum Exhaust Pipe	Full size details of nipple	- .8.33	1933	-	-	PT	D 054	-
31242	Grease Lubricated Motion Details	Full Size details of motion pins, gudgeon pin and expansion block; pins with grease reservoir with spring piston	- .7.34	1934	-	N7	PT	D 072	-
31243	Apparatus to Enable Chimney Top and Chimney Choke to be set Concentric with Blast Pipe Orifice.	3" to 1' details of apparatus fastened to top of blast pipe with plumb line and gauges on vertical line.	- .6.33	1933	-	-	PT	D 059	-
31244	Engines Fitted with Westinghouse Brake- Westinghouse Brake Fittings adapted for Single Cone Joints	Full size details of 11 components and list of engines fitted Endorsed: see Dg No 30645 for nuts and cones for 5/8", 5/16" & 3/4" pipes; see Dg No 22415 for further dimensions of cock; see Dg No 27720 for straight air brake application valve	22.6.33	1933	-	-	PT	D 021	-
31247	Engines Type B12 (Beyer, Peacock Built) and B17- Alteration to Water Scoop	Sectional elevation and sectional plan of lower part of water scoop Endorsed: altered 9.10.34	12.6.23	1923	-	B12	PT	D 030	-
31248 Att	Modification of Arrangement of Automatic Rail- Washing Gear to Suit Engines Type J17	1 1/2" to 1' arrangement shown on outline elevations and plan of engine Endorsed: undated alterations for classes J18 and J19	- .5.34	1934	-	J17 J18 J19	PT	D 012	-
31249	Details of Automatic Railwashing Gear	6" to 1' and full size details A-S, Z&Y; water valves operated automatically by cams on sanding levers Endorsed: see Dg No 31248 for arrangement; Dg No 31250 for water valve	- .6.33	1933	-	J20	PT	D 012	-
31249 Att	Details of Automatic Railwashing Gear	6" to 1' details of levers and stays See Dg No 31248 and Attachment for arrangement	- .5.34	1934	-	J17	PT	D 012	-
31249 Att 2	Automatic Railwashing Gear Engines Types J18 & J19	List of 19 details shown on Dg Nos 31249 & 31249 Attachment	-	1933	-	J18 J19	PT	D 012	-
31252	Blast Pipe (No 2) and Cap	6" to 1' sectional elevations and plan of blast pipe	- .6.33	1933	-	B12/3	PT	D 030	-
31254 Att	Alteration to Frame to Suit Cylinders to Dg No 29684 Engines Type B12 with 5'6" Diar Boiler	1 1/2" to 1' elevations of section of footplating carrying cylinders	- .2.35	1935	-	B12	PT	D 030	-
31255	Six Wheels Coupled Tank Engines (T18 Class) Type J69	6" to 1' elevations, sections and plans of trailing sand box Endorsed: see Dg No 7132 for sand box lid; Dg No 29218 for stuffing box and details; Dg No 35405 for trailing sandboxes for J67, J68 & J69; formerly Dg No 7727 Part My comment: drawing mistakenly titled for J69 class	8.6.12	1912	T18	J66	PT	D 017	-
31257	Bogie Side Control Spring Guides-Cast Steel	6" to 1' details of spring guides for Beyer-Peacock B12s with 2 5/8" side play My comment: Stores ordering drawing	- .6.33	1933	-	B12	PT	D 031	-
31258	B17 Type Bogie Axlebox-Proposed Alteration to Oil Feed and Keep	Full size scrap section of axlebox showing oil feed See Dg No 28765 for axlebox.	- .6.33	1933	-	B17	PT	D 031	-
31259	Arrangement and Details of Speed Recorder Friction Drive	1 1/2" to 1' elevations, sections and plans of drive and full size details; scrap view of speedometer in cab	- .6.33	1933	-	B17	PT	D 031	-
31320	List of Drawings for F4 Type Engines	Schedule in form of 4 sheets listing large number of drawings	4.7.33	1933	-	F4	PT	D	-

								082	
31321	Eccentric Straps and Rods	Full size elevations, sections and plans of straps and rods Endorsed: see Dg No 13692 for motion arrangement; Dg No 15908 for eccentric sheaves	- .8.33	1933	-	F4	PT	D 050	-
31323	Front Cylinder Cover	Full size elevations, sections and plans of cover Endorsed: formerly Dg No 6159 Part and 6162 Part	- .11.19	1919	Y14 P55	J15 F4 F5 F6	PT	D 074	-
31324	List of Drawings for F7 Type Engines	Lists 81 drawings My comment: prepared for engines transferred to Scotland?	- .7.33	1933	-	F7	PT	D 070	-
31326	GE Section Engines and Tenders-Brakework Pins Turned from the Bar	Table of dimensions and drawing numbers given for numerous GE classes	- .7.34	1934	-	-	PT	D 074	-
31327	4.6.0 Engines Type B12-Oil Box for Axlebox Lubrication	Full size arrangement of lubrication	- .7.33	1933	-	B12	PT	D 026	-
31328	B17 Type Engines-2" Experimental Blast Pipe Cap	Full size elevation, section and plan of cap Endorsed: see Dg No 29940 for flange, lugs and bolt holes	- .7.33	1933	-	B17	PT	D 026	-
31329	Hand Hole Door, Seat & Cover	Full size elevation, section and plan of components; doors with external cover Copy of Darlington Dg No 5177-D 23.1.01	- .5.33	1933	-	-	PT	D 041	-
31335	Alteration to Crown Stays of Boiler	3" to 1' and full size details of alteration; 1 <sup>st</sup> row of hangers from tubeplate to be altered Endorsed: diameter of stay altered 24.7.51	- .8.33	1933	-	F5 F6	PT	D 061	-
31337	Oil Tray for Bogie Axlebox	Full size details of keep with oil filler point at one side. Endorsed: see Dg No 28765 (13290-D) for axlebox; new axleboxes to Dg No 31767 (13290/1-D)	- .8.33	1933	-	B17	PT	D 040	-
31338	Diagram Showing Position of Unions in Vacuum Exhaust Drain	1½" to 1' scrap elevation of smokebox showing position of unions and table of dimensions	- .8.33	1933	-	B12 B17 N7 F5 J19 J20	PT	D 036	-
31342	Bogie Axlebox	Full size general arrangement, details of components and schedule of parts	- .10.33	1933	-	B12	PT	D 031	-
31342 -1	Bogie Axlebox Keep	Full size elevation, section and plan of keep My comment: Stores ordering drawing	- .1.34	1934	-	B12	PT	D 031	-
31344	Diagram of Steam Brake Valve Pipes	Unscaled diagram showing steam brake system with vacuum ejector	- .8.33	1933	-	B17	PT	D 042	-
31349	Copper Joint on Steamchest Cover	6" to 1' details of joint Copy of Darlington Dg No 15474-D	- .9.33	1933	-	B17	PT	D 042	-
31530	Engines with Boilers to Dg No 29803-6 ½" Diameter Regulator	Full size elevation, section and plan of regulator	- .4.34	1934	-	-	PT	D 083	-
31531	Cast Iron Header (for Robinson's Superheater)	3" to 1' elevation, section and plan of header for engines D14-16 with 9 ½" dia. piston valves	- .3.35	1935	-	D14 D15 D16	PT	D 021	-
31532	Back Cylinder Cover	Full size elevation, section and plan of cover	- .4.35	1935	-	D14	PT	D	-



		Endorsed: for cast iron packing and mop holder see Dg No 24187; Dg No 25047 for neck ring as for B12				D16/3		043	
31533	Valve Bush for 9 1/2" Diameter Piston Valves	Full size details of cast iron bush	- .4.35	1935	-	D16/3	PT	D 062	-
31533 Amend	Engines Type D16/3-Valve Bush for 9 1/2" Diameter Piston Valves	Full size details of bush and development of ports on inside and outside of bush Endorsed: for piston valves see Dg No 31598; altered 3.53	17.2.43	1943	-	D16/3	PT	D 020	-
31534	Cast Steel Motion Plate-for Engines Types D14, 16 with Cylinders with 9 1/2" Piston Valves	3" to 1' elevation, section and plan of motion plate Endorsed: see Dg No 17245 and Attachment for motion plate brackets	- .3.35	1935	-	D14 D16/3	PT	D 029	-
31534 -I	Cast Steel Motion Plates	3" to 1' elevation, section and plan of motion plate My comment: Stores Ordering drawing for castings for locos with 9 1/2" piston valves	- .1.34	1934	-	D14 D16/3	PT	D 037	-
31535	Engines Type D14-16 with Cylinders with 9 1/2" Piston Valves-Rocking Lever	Full size elevation, section and plan of components for left hand set	3.5.34	1934	-	D14 D15 D16	PT	D 020	-
31536	Engines Types D14-16 with 9 1/2" Dia. Piston Valves-Piston and Rod	Full size elevation, section and plan of piston and rod Endorsed: altered 10.9.40, 11.5.48 and 10.9.40; see Dg No 37306 for Maddison type packing	- .4.35	1935	-	D14 D15 D16	PT	D 019	-
31537	Engines Types D14-16 with 9 1/2" Dia. Piston Valves-Back Valve Chest Cover	Full size elevation, section and plan of cover Endorsed: see Dg No 31540 for cylinders	- .6.35	1935	-	D14 D15 D16 D16/3	PT	D 040	-
31538	Engines Types D14-16 with 9 1/2" Dia. Piston Valves-Front Cylinder Cover	Full size elevation, section and plan of cover Endorsed: see Dg No 30956 for cylinder cover stay bolt	- .4.35	1935	-	D14 D15 D16	PT	D 019	-
31539	Engines Types D14-16 with 9 1/2" Dia. Piston Valves-Slide Bar	Full size and 3" to 1' elevation, section and plan of slide bar	- .4.35	1935	-	D14 D15 D16	PT	D 019	-
31540	Engines Types D14-16 with 9 1/2" Dia. Piston Valves-19" Dia. x 26" Stroke Cylinders	3" to 1' elevation, section and plan of cylinders	- .10.33	1933	-	D14 D15 D16 D16/3	PT	D 040	-
31541 Att	Engines Types D14-16 with 9 1/2" Dia. Piston Valves-Alteration of Attachment of Smokebox to Cylinders	3" to 1' side and end part sections of lower smokebox and cylinder top	- .10.46	1946	-	D16/3	PT	D 004	-
31543	Gauge Connection for Davies & Metcalfe Class H Exhaust Injector	Full size details	- .9.33	1933	-	-	PT	D 045	-
31545	Armour Plate Glass for Cab Side Screens	6" to 1' plans of glass Endorsed: see altered drawing same number	- .9.33	1933	-	B17 B12	PT	D 042	-
31545 Amend	Armour Plate Glass for Cab Side Screens	6" to 1' plans of glass	- .10.39	1939	-	B17 B12/3 D16/3	PT	D 064	-
31547	Adaptor for Blow Off Cock	6" to 1' arrangement and details	- .10.33	1933	-	J27	PT	D 013	-
31549	Firehole Door	Full size elevations and sections of firehole door arrangement	- .11.32	1932	-	B17	PT	D	-

		Copied from Darlington Dg No 15239-D						004	
31550	Details of Firehole Door and Protector.	Full size elevation of door and details for 1932 build Copy of Darlington Dg No 15243-D	28.11.32	1932	-	B17	PT	D 004	-
31551	Arrangement & Details of Indicating Gear	Full size arrangement and 3" to 1' details of gear for No 8900 with 8" piston valves	- .11.33	1933	-	D15	PT	D 043	-
31553	Engines Types D14-16 with 9½" Dia. Piston Valves-Cast Iron Steam Pipe Connection	6" to 1' elevation, section and plan of connection	- .4.35	1935	-	D14 D16	PT	D 054	-
31554	Engines Types D14-16 with 9½" Dia. Piston Valves-Steel Steam Pipes for Superheater	3" to 1' elevation, section and plan of pipes	- .3.35	1935	-	D14 D16 D16/3	PT	D 054	-
31555	Engines Types D14-16 with 9½" Dia. Piston Valves-Steam Pipe Joints with Lenticular Shaped Rings	Full size elevation, section and plan of joints	- .4.35	1935	-	D14 D16 D16/3	PT	D 054	-
31557	Arrangement of 'Empire' Lubricator & Gear	1 ½" to 1' outline of engine with piping details. Lubricator in cab driven by return crank on trailing wheel, left hand side	- .11.33	1933	-	B12	PT	D 044	-
31558	Lubrication Connections and Alterations to Axleboxes etc.	Full size and 6" to 1' details of connections for B12 with 5' 1/8" diameter boiler and 'Empire' lubricator	- .11.33	1933	-	B12	PT	D 043	-
31559	Details of Gear for 'Empire' Mechanical Lubricator	Full size details of return crank (L.H. trailing wheel) rod, crank etc. Endorsed: see Dg No 31557 for general arrangement; Dg No 31558 for pipe connections, etc; Dg No 31556 for Empire lubricator	- .11.33	1933	-	B12	PT	D 050	-
31560	(Injectors)	10 pages of diagrams illustrating fittings for Gresham & Craven and Davies & Metcalfe injectors	- .11.35	1935	-	-	PT	D 090	-
31560 -1	(Injectors)	7 pages of diagrams illustrating fittings for Davies & Metcalfe injectors	- .11.35	1935	-	-	PT	D 090	-
31560 -2	(Injectors)	8 pages of diagrams illustrating fittings for Davies & Metcalfe No. 10 injectors	- .11.35	1935	-	-	PT	D 090	-
31560 -2	(Injectors)	2 pages of diagrams referring to injectors	-	-	-	-	PT	D 090	-
31560 -3	No. 9 Loco. Exhaust Steam Injector Class H Fitted with Control Valve-Metcalfe's Patent.	4 sketches of injector internals	- .11.35	1935	-	-	PT	D 052	-
31560 -4	(Untitled)	5 pages of sketches showing components for Davies & Metcalfe exhaust stem injectors classes D & H.	18.11.35	1935	-	-	PT	D 016	-
31560 -5	Gresham & Craven Live Steam Injector No 8	6" to 1' sectional elevations and plans of injector	18.11.35	1935	-	-	PT	D 089	-
31561	Sketch Showing Pipe Connections between Gauges and Exhaust Injector-Engine No 8573	1 ½" to 1' outline of cab showing injector, pressure and vacuum gauges connected to injector and 6" to 1' details	- .10.33	1933	-	B12/3	PT	D 068	-
31562	Diagram of Steam Brake Valve Pipes on B17 Type Engines Showing Alternative Methods of Warming Brake Cylinders.	Unscaled diagram of pipes on backhead showing two methods of warming brake cylinders	- .10.33	1933	-	B17	PT	D 068	-
31567	Engines Types D16/3 with 9½" Dia. Piston Valves-Front Valve Chest Cover	Full size elevation, section and plan of cover Endorsed: see Dg No 17226 for lubricator-B12?	- .5.35	1935	-	D16/3	PT	D 068	-
31568	Arrangement and Details of Spare Gauge Glass Containers on Engines & Tenders	1 ½" and 3" to 1' and full size drawings of wooden containers for gauge glasses, of toolboxes, of lockers etc. for GE classes and B17	- .11.33	1933	-	-	PT	D 082	-
31569	Blast Pipe Cap-3" high, 5 1/8" Orifice.	Full size details of caps for blast pipes 1'10" high	- .11.33	1933	-	B17	PT	D	-

								068	
31575	Oilpad for Bogie Axlebox.	Full size elevations of oilpad Endorsed: see Dg 31342 for axleboxes	- .11.33	1933	S69	B12	PT	D 005	-
31576	Particulars of Trailing Axle Journal.	6" to 1' elevation of axle journal. 14"x 8" inside bearing showing various areas of journal hatched Endorsed: drawing taken from photographs supplied by Chemist's Dept.	- .2.34	1934	-	-	PT	D 033	-
31577	Hulburd Copper Joints	Full size Plan of basic joints for steam chest covers and plan of joints for D15-16 & J17	- .11.33	1933	-	-	PT	D 030	-
31578	Engines Type B17-Alterations to Frame Stays and Westinghouse Reservoir Carriers	3" and 6" to 1' details of alterations	- .11.33	1933	-	B17	PT	D 019	-
31583	Engines Types D16/3 with 9½" Dia. Piston Valves-Blast Pipe Casting	6" to 1' details of blastpipe	- .3.35	1935	-	D14 D 16 D16/3	PT	D 060	-
31585	Arrangement of Wakefield's 'Fountain' Axlebox Lubricator	1 ½" to 1' outline of cab, frames and coupled wheels with piping. Endorsed: this drawing. applies only to 5' 1 1/8" Belpaire boilered engines with no play in trailing axleboxes; superseded by Dg No 32458 6.35 My comment: drawing water stained	- .12.35	1935	-	B12	PT	D 061	-
31586	Clip Details for Wakefield 'Fountain' Lubricator	6" to 1' and full size details of clips 'A'-'O' for locos Nos 8500-8570.	- .12.33	1933	-	B12	PT	D 060	-
31587	United States Metallic Packing for Valve Spindles-Packing Details	Full size details of packing detail Endorsed: for tendering purposes only', schedule no. 96. Item 609; copied from Dg No 18825	- .12.33	1933	-	D16 J17	PT	D 060	-
31588	United States Metallic Packing for Valve Spindles-Packing Details	Full size details of packing detail Endorsed: for tendering purposes only', schedule no. 96; copied from Dg No 17977	- .12.33	1933	-	D15 D16	PT	D 060	-
31589	Blast Pipe	6" to 1' elevation, sections and plan of blast pipe Endorsed: see Dg No 13468; F5-6 blast pipe 3' 1½" high	13.12.33	1933	M15 M15R G69	F4 F5 F6	PT	D 015	-
31594	Roofbars, Roofbar Bolts & Ferrules	Full size details of roofbars for firebox	- .12.33	1933	-	Y5	PT	D 048	-
31595	Westinghouse Pump Piston Rod Gland Spanner	Full size dimensioned arrangement	- .1.31	1931	-	-	PT	D 017	-
31596	Radial Truck Axlebox	Full size details of 8 parts A-H for axlebox for engines Nos 2600-2681	- .5.34	1934	-	N7	PT	D 086	-
31596	Radial Truck Axlebox.	Full size details of axlebox for engines Nos 2600-2661 Endorsed: see Dg No 25948 for arrangement of radial truck	- .5.34	1934	-	N7	PT	D 041	-
31598	Engines Types D14-16 with 9½" Dia. Piston Valves-Piston Valve & Spindle for 9 ½" Dia. Valves	Full size details of valves My comment: valve heads identical to B12 with long slot expansion link valve gear	- .7.35	1935	-	D14 D15 D16	PT	D 049	-
31602	Engines Types D14-16 with 9½" Dia. Piston Valves-Regulator Steam Pipe	3" to 1' and full size details of pipe	16.1.34	1934	-	D14 D15 D16	PT	D 034	-
31602	Engines Types D14-16 with 9½" Dia. Piston Valves-	3" to 1' details of 7" diameter copper pipes	- .1.34	1934	-	D14	PT	D	-

-I	Regulator Steam Pipe.	My comment: Stores Ordering drawing				D15 D16		080	
31603	Brake Hanger Pin	Full size details of pin Endorsed: altered 19.2.34 Part copy of Darlington Dg No 14758-D	12.1.34	1934	-	J27	PT	D 034	-
31606	Jockey Valve for Regulator Valve.	Full size details of vale Endorsed: superseded 7.35 by drawing same number	- .6.34	1934	-	J66 N7	PT	D 060	-
31606	Jockey Valve	Full size details of valve for engines with regulators to: Dg No 7051 E4, F3-6 & J15 Dg No 8008 F7, J65-69 Dg Nos 11076 and 23908 B12, D13-16,J17-20,N7	- .7.35	1935	-	-	PT	D 049	-
31606 Ren	Jockey Valve	Full size details of valve for engines with regulators to: Dg No 8008 F7, J65-69 Dg Nos 11076 and, 23908 B12, D13-16, J17-20, N7 Dg No 7051 E4, F3-6, J15 Endorsed: altered 3.38	20.7.45	1945	-	-	PT	D 024	-
31607	Oak Tanned Leather Washer for Westinghouse Driver's Valve.	Full size details of washer Copied from Dg No 54087A 2 (origin?)	- .1.34	1934	-	-	PT	D 037	-
31608	Arrangement for Warming Steam Brake Cylinders- for Engines with Graduable Steam Brake Valve	3" to 1' and full size arrangement of cylinders Endorsed: see Dg No 35973 for pipe saddle renewals	30.1.34	1934	-	B17	PT	D 034	-
31611	Brass Wire Gauze Joints for Blast Pipes.	Full size details of joints for piston valved engines: B12, D14 ,D16; and slide valved: J15, J66-69, D15, D16	- .2.34	1934	-	B12 D14 D16 J15 J66-69 D15 D16	PT	D 048	-
31611 -I	Joints for Blast Pipes	Full size plans of 4 types of joint for classes: 1. B12, J19/2,J20 2. D16/3 3. J15, J66-69, F4-7 D15, D16 & J17; and table of dimensions	- .1.46	1946	-	B12 J19/2 J20 J15 J66-69 F4-7 D15 D16 J17	PT	D 087	-
31611 -I Att	Joints for Blast Pipes	Full size details of Walkerite joints 1mm thick	- .1.46	1946	-	N7 E4 F3 J93	PT	D 058	-
31611 -2	Joints for Blast Pipes	Full size details	- .9.47	1947	-	B17 J39 V1 V3	PT	D 084	-
31611	Joints for Blast Pipes	Full size details	- .10.50	1950	-	B1	PT	D	-

-3						B2 L1 J52 NI WD 2-8-0		084	
31612	India Rubber Pads for Drawhooks	6" to 1' details of pads Endorsed: Spencer Moulton rubber concentric rings	- 2.34	1934	-	B17 N7	PT	D 048	-
31613	Sketch Showing Relative Positions of Handrail and Cab Side Screens	Full size sketch showing details for B12 Belpaire; B17; D14, D16, B12 reboilered	- 2.34	1934	-	B12 B17 D14 D16	PT	D 048	-
31614	Engines Types D14-16 with 9½" Dia. Piston Valves-New Stiffening Plate and Altered Drilling to Frame to suit 9½" Piston Valve Cylinders	3" to 1' details of plate	- .8.35	1935	-	D14 D15 D16	PT	D 048	-
31615	Engines Types D14-16 with 9½" Dia. Piston Valves-Eccentric Sheaves.	Full size elevation, section and plan of sheaves, detail of eccentrics with diagram of setting relative to cranks	- .6.35	1935	-	D14 D15 D16	PT	D 048	-
31616	Typical Copper Firebox Stay	Full size details of stay 7/8" - 1¼" diameter by 4 7/8"-8¼" long	- .2.34	1934	-	-	PT	D 061	-
31618	Clips to Secure Air Pipe	3" to 1' and full size scrap view of tank top inside cab showing position of pipe and clip, and drawing of clip for Stephenson-built N7s	- .2.34	1934	-	N7	PT	D 036	-
31619	Failure of Engine No. 865-Damaged Piston & Rod	Full size details of components; piston head appears to have been loose on rod	- .12.33	1933	-	N7	PT	D 046	-
31620	Section of Firebox Plate from Engines No. 8519.	Full size details showing horrific thinning of plate and reduction of stay length	- 2.34	1934	-	B12	PT	D 053	-
31621	Sketch Showing Cracks in Backplate Engine No 897	1½" to 1' sketch showing details	- .3.34	1934	-	N2	PT	D 051	-
31623	Tenders Type B17-Springs	Full size elevation, section and plan of 15 plate spring 3'11" unloaded	- .2.34	1934	-	B17	PT	D 026	-
31624	The 'Ashcroft' Cut-off Control Valve	Diagram of face of gauge with description and instructions on operation, steam chest and exhaust pressures	- .2.34	1934	-	-	PT	D 026	-
31630	Sketch of Hydraulic Valve for Spray Cleaning Engines as Received from Doncaster	Full size detail of valve body and spindle Endorsed: see Dg No 31631 for modified valve	- .3.34	1934	-	-	PT	D 080	-
31632	'T' Piece for Ball Lubricator for 8/8 ½" Westinghouse Pump	Full size details of components	- .3.34	1934	-	-	PT	D 036	-
31633	Brake Rod for Engines with Westinghouse Brake	Full size details and table showing effective length of rod for various pin positions	- .3.34	1934	-	J21	PT	D 064	-
31634	Blast Pipe Cap 3½" high, 5 1/8" Orifice-B17 Type Blast Pipes 1' 9½" High	Full size details of cap	- .3.34	1934	-	B17	PT	D 076	-
31636	Wooden Container for Spare Gauge Glasses – "C" Type-Arrangement of Container	Full size details of container Copy of Doncaster Dg No Y-1256-N 6.3.34	12.3.34	1934	-	-	PT	D 089	-
31637	Type B12 Engines Fitted with Wakefield 'Fountain' Lubricator-Alteration to ACFI Water Heater Pump	3" to 1' details of alterations Endorsed: see Dg No 27012 for details of rod, Dg No 31585 for	- .3.34	1934	-	B12	PT	D 075	-

	Draining Rod in Cab	arrangement of lubricator; Dg No 27035 for arrangement of pump draining gear							
31639	Type B12 Engines with 'Empire' Mechanical Lubricator-Protective Shield for Lubricator Ratchet Lever & Alteration to ACFI Water Heater Pump Draining Rod	3" to 1' details of Shield Endorsed: see Dg No 27021 for detail of draining rod; Dg No 27035 for arrangement of ACFI pump draining gear; Dg No 31557 for arrangement of 'Empire' lubricator and gear	- .3.34	1934	-	B12	PT	D 029	-
31640	Engines Types D14-16 with 9½" Dia. Piston Valves-Reversing Arrangement	1½" to 1' outline of cab and part framing showing reversing handle and long rod for rebuilt 'D' type engines with boiler to Dg No 29803	- .11.35	1935	-	D16/3	PT	D 086	-
31641	Engines Types D14-16 with 9½" Dia. Piston Valves-Reversing Gear Details	3" and 6" to 1' and full size details of five components	- .11.35	1935	-	D16/3	PT	D 085	-
31642	Shoulder Patches Fitted to Steel Backplate	1½" to 1' details of patches to boiler No. 1385 on engine No 897 Endorsed: see Dg No 30714 for firebox	-	-	-	N2	PT	D 039	-
31642 -2,3,4	Boiler Patches	1½" to 1' sketches: No 2 firehole patch N7 No 913; No 3 barrel patch D or J Belpaire; No 4 barrel patch J66	-	1934	-	J66 N7	PT	D 049	-
31642 -5	Steel Patch for Boiler Barrel for boiler No 3426 to Dg No 22205	1½" to 1' details of patch on inside at bottom of barrel	11.11.34	1934	-	D15 J17 J18 J19	PT	D 051	-
31642 -6	Proposed Steel Patch on Boiler No 3601 to Dg No 22205	1½" to 1' details of patch	19.3.36	1936	-	-	PT	D 051	-
31642 -7	Firebox Crown Plate Boiler No 2571 to Dg No 28994	1½" to 1' details of patched crownplate patched into sides	- .5.36	1936	-	J15	PT	D 078	-
31642 -8	Crown Patch for Firebox with Direct Stays	1½" to 1' details of patch on crown near tubeplate (copper) for boilers Nos 2550 & 2799 to Dg Nos 22206 & 29661	- .5.35	1935	-	E4 F3 J15	PT	D 081	-
31642 -10	Steel Patch for Boiler Barrel	1½" to 1' details of patch plate 5'10 7/8" x 2'0", 3/8" thick on inside bottom of barrel of boiler to Dg No 22205	- .6.35	1935	-	D15 J17 J18 J19	PT	D 080	-
31642 -12	Internal Patch Round Pump Check Valve Seating	Full size details of patch on engine No 65, boiler No 1413	- .2.37	1937	-	Y3	PT	D 048	-
31642 -14	M&GN Rly Boiler No 62 (LMS Type G7)-Internal Steel Patches for Boiler Barrel	1½" to 1' details of two patches	12.3.37	1937	-	M&GN	PT	D 030	-
31642 -15	M&GN Rly Boiler No 9-Internal Steel Patches for Boiler Barrel	1½" to 1' details of patches	- .4.37	1937	-	MGN	PT	D 043	-
31642 -16	M&GN Rly Boiler No 44 (LMS Type G6)-Internal Steel Patches for Boiler Barrel.	1½" to 1' details of two patches	15.4.37	1937	-	MGN	PT	D 030	-
31642 -17	M&GN Rly Boiler No 53 (LMS Type G7)-Internal Steel Patches for Boiler Barrel.	1½" to 1' details of two patches	19.5.37	1937	-	MGN	PT	D 030	-
31642 -18	B12 Belpaire boiler 3831-Internal Steel Patch for Boiler Barrel	1½" to 1' details of patches	- .5.37	1937	-	B12	PT	D 051	-
31642 -19	M&GN Rly Boiler No 59 (LMS Type 'B')-Internal Steel Patches for Boiler Barrel.	1½" to 1' details of two patches	29.6.37	1937	-	MGN	PT	D 030	-
31642	M&GN Rly Boilers Nos 54 & 57(LMS Type G7)-	1½" to 1' details of patch	6.7.37	1937	-	MGN	PT	D	-

-20	Internal Patch on Circumferential Joint							030	
31643	Details of Inspection Door and Cover	Full size sections, elevations and dimensions for various boilers Copy of Doncaster Dg No N-748-N 17.2.34	6.3.34	1934	-	-	PT	D 090	-
31644	Seating Pad for Inspection Doors for Boilers	Full size arrangement of pad for LNER Boiler diagrams: 13-18, 18A, 19A, 20, 21, 21A, 22, 105, 76, 52, 25-27, 29, 30, 98, 99, 40, 19 Copy of Doncaster Dg No N-765-N	- .3.34	1934	-	-	PT	D 017	-
31645	Arrangements of Boiler Inspection Doors.	1 ½" to 1' details of doors for boilers to diagrams Nos 25 (B12, J20), 2(D16), 27(J18), 29(D13), 30(N7), 40(Y4), 98(N7) and 99(B12)	- .3.34	1934	-	B12 D13 D16 J18 J20 N7 Y4	PT	D 082	-
31646	Seating Pad for Boiler Inspection Door	Full size details of pad under shell for oval door for boilers to diagrams 77, 78, 81, 88, 96, 99A, 100, 102 and 104 Copy of Doncaster Dg No N-764-N	- .3.34			-	PT	D 017	-
31648	Arrangements of Boiler Inspection Doors.	1 ½" to 1' scrap sections of upper fireboxes to diagrams Nos 32 (E4, J15), 33 (F4), 15A (O4), 99A (B12/3), 96 (K3) and 102 (V1)	- .3.34	1934	-	-	PT	D 017	-
31650	Standard Turnbuckle	Full size details of cast steel component Copy of Doncaster Dg No YB-93-A-55-N	- .2.34	1934	-	-	PT	D 067	-
31650 - I	Cast Steel Adjusting Nuts for Brake Gear	Full size elevation and plan of nut My comment: Stores ordering drawing	- .4.34	1934	-	-	PT	D 087	-
31651 - I	Cast Steel Adjusting Nuts for Brake Gear	Unscaled elevations of nuts marked 'No 2'	11.4.34	1934	-	-	PT	D 089	-
31730	Sketch of Hydraulic Valve for Spray Cleaning Engines as Received from Doncaster	Full size elevation of valve components	- .3.34	1934	-	-	PT	-	-
31741	Express Engines Type B17-Steel Boiler Plates	Diagram of three plates with dimensions and sketch	21.3.34	-	-	B17	PT	D 024	-
31742	(Blank)	-	-	-	-	-	-		
31743	Engine No.8866 Type D14 Pt 2-Sketch of Blast Pipe Seating on Cylinders Showing Position of Crack in Red	Full size isometric sketch of blast pipe	- .4.34	1934	-	D14/2	PT	D 024	-
31747	Details for Tender Weatherboard etc	1", 1 ½" and 6" to 1' and full size details of side window cab details for J15 Endorsed: for arrangement see Dg No 31746	- .4.34	1934	-	J15 E4 J17	PT	D 074	-
31749	Component Schedules	Unscaled schedules in seven parts: steel sheets, steel angles and tees, steel cladding sheets, steel plates, steel flats, steel plates and steel frame angles. Endorsed: see Dg No 31749 (Part) for steel plates.	- .4.34	1934	-	B12/3	PT	D 022	-
31749 Part	Type B12 with 5'6" Boiler Sets Steel Plates	Unscaled details of 21 plates listed for smokebox, cab splasher, footsteps, stays etc My comment: Stores Ordering drawing	- .1.35	1935	-	B12/3	PT	D 071	-
31750	Steel Schedules	Unscaled schedules for steel flats, steel frame angles, steel plates,	- .4.34	1934	-	D14	PT	D	-

		steel sheets, steel cladding sheets, steel angles and ties Endorsed: see Dg No 29803 for boiler				D15 D16		031	
31751	Brake Hanger Carrier	Full size details of forged bracket My comment: J27 engines were shipped at Stratford for a period.	- .4.34	1934	-	J27	PT	D 050	-
31753	Steel Forgings for Combined Piston and Rod	3" to 1' elevation, section and plan of forgings for over size pistons My comment: Stores Ordering drawing	- .4.34	1934	-	B17	PT	D 018	-
31755	Blast Pipe Cap with Jumper Ring	Full size details of ring with GWR style jumper top	- .5.34	1934	-	D15	PT	D 050	-
31756	Blast Pipe to Suit Blast Pipe Cap with Jumper Ring	6" to 1' elevations of blast pipe Endorsed: see Dg No 31755 for blast pipe cap	- .5.34	1934	D56	D15	PT	D 017	-
31757	Engine Components: Cylinder Liner, Valve Buckle, Rocking Lever, Feedpipe	3" to 1' elevation, section and plan of components Endorsed: see Dg No 30396 for B12 cylinder liner; Dg No 19065 for D15 valve buckle, Dg No 28734 for B17 inside piston valve spindle; Dg No 17253 for B12 rocking lever; Dg No 22382 for B12 gunmetal feedpipe	- .4.34	1934	S69 D56 -	B12 D15 B17	PT	D 017	-
31758	Proposed Support for Front Pull Rod of Cylinder Cock Gear.	Full size scrap elevation and plan of front of engine frame and 1½" details of bracket	- .5.34	1934	-	N7	PT	D 035	-
31761	Alterations to Sanding Gear	Full size section of valve spindle and details of components Endorsed: applies to 1932 Darlington built engines Dg Nos 15022D/15152D) but earlier engines can also be modified; see Dg No 28791 for sanding box sleeve cap; not carried out	- .4.34	1934	-	B17	PT	D 036	-
31762	D14, D15, D16 Type Engines-Valve Gear/Events	1½" to 1' diagram of valve gear for 9½"piston Valves and table of valve events	- .4.34	1934	-	D14 D15 D16 D16/3	PT	D 032	-
31763	Bogie Axlebox	Full size elevations, sections and plans of axlebox Endorsed. Keep altered 3.9.36; item 'F' keep stud altered 6.45	- .7.34	1934	S46 D56 H88	D14 D15 D16	PT	D 036	-
31767	Bogie Axlebox	Full size elevations, sections and plans of axlebox Endorsed: see Dg No 31337 for oil tray Copy of Darlington Dg No 13290-D/I	- 4.34	1934	-	B17	PT	D 032	-
31768	B17 Class Engine No.2826-Sketch of Bogie Frame Stay showing Position of Fractures by Red Lines.	3" to 1' sketch of bogie frame stay	- .5.34	1934	-	B17	PT	D 018	-
31800	Driving Axlebox	Full size elevations, sections and plans of axlebox and keep Endorsed: 5 Engines for trial, corres ref H/8904 (Hot boxes on locos) CME letter 18.4.34; see Dg No 17216 for hornblock;; Dg No 31803 for lubrication connections	- .6.34	1934	-	B12	PT	D 058	-
31801	B12 Type Engines-Trailing (with Wide Hornblocks) and Intermediate Axlebox	Full size elevation, section and plan of components and schedule of parts. Endorsed: altered to red June 1937; see Dg No 31802 for trailing axlebox for Nos 8500-8570; see Dg No 31803 for lubrication connections for intermediate boxes, Dg No 31804 for lubrication connections trailing; Dg No 31805 for axlebox covers; Dg No 17239 for intermediate hornblocks; Dg No 27660 for trailing	- .4.34	1934	-	B12	PT	D 003	-



		hornblocks; Dg No 19906 for trailing narrow hornblocks							
31802	B12 Type Engines-Trailing Axlebox for Narrow Hornblocks	Full size elevation, section and plan of component and schedule of parts. Endorsed: altered to red 6.37; see Dg No 31801 for trailing axlebox wide hornblocks; Dg No 31804 for lubrication connections for axlebox; Dg No 19906 for trailing narrow hornblocks; Dg No 31805 for axlebox covers; Dg No 27660 for trailing hornblocks	- .6.34	1934	-	B12	PT	D 003	-
31803	Engines Type B12-Vertical Feed to Axlebox Oil Gutter	Full size details of lubrication connections and alterations to driving and intermediate hornblocks and detailed sections Endorsed: altered 7.11.34; see Dg No 17216 for hornblocks; Dg No 31800 for axlebox-driving; Dg No 31805 for axlebox covers; Dg No 31804 lubrication connection detail; Dg No 17239 hornblock-intermediate; Dg No 31801 for axlebox-intermediate	1.6.34	1934	-	B12	PT	D 003	-
31804	Type B12 Engines-Vertical Feed to Axlebox Oil Gutter	Full size details of lubrication connections and alterations to trailing hornblocks and detailed sections Endorsed: altered 7.11.34; see Dg No 27660 for hornblocks; Dg No 31801 for axlebox; Dg No 31805 for axlebox covers; Dg No 31802 for axlebox; Dg No 31803 for hornblocks-driving and intermediate; Dg No 19906 for hornblocks	- .6.34	1934	-	B12	PT	D 003	-
31805	Engines Type B12-Axlebox Covers	6" to 1' elevation, section and plan of 4 types of axlebox cover as shown on Dg Nos 31800, 31801 and 31802 Endorsed: superseded by drawing same number 4.35; for new covers see respective axlebox drawings 12.44; drawing never used	-7.34	1934	-	B12	PT	D 003	-
31805	Engines Type B12-Axlebox Covers	6" to 1' details of 3 types for axleboxes shown in Dg Nos 31800, 31801 & 31802 Endorsed: refer to axlebox drawings 12.44; superseded by drawing same number 7.34	25.4.35	1935	-	B12	PT	D 002	-
31806	Type B12 Engines-Lowering of Spring Gear-Driving Hornstay & Alteration to Hornblock	Full size arrangement of hornblock	6.6.34	1934	-	B12	PT	D 087	-
31807	Type B12 Engines-Lowering of Spring Gear-Intermediate and Trailing Hornstays and Alterations to Hornblocks	Full size arrangement of hornblock	- .6.34	1934	-	B12	PT	D 087	-
31808	Engines Type B12-Lowering of Spring Gear-Hornblock Wedges	Full size elevations for driving, intermediate and trailing hornblock wedges	29.6.34	1934	-	B12	PT	D 087	-
31809	Engines Type B12-Lowering of Spring Gear Spring Brackets	Full size arrangement of cast steel brackets. Endorsed: for axleboxes to Dg Nos 31800, 31801 & 31802	19.6.34	1934	-	B12	PT	D 089	-
31809 -I	B12 Type Engines-Spring Brackets	Full size details of brackets with dimensions to suit 4 types Endorsed: see Dg No 19906 for hornblock-trailing; Dg No 27660 for hornblock-trailing; Dg No 31800 for axlebox; Dg No 31801 for axlebox trailing; Dg No 31802 for axlebox-trailing	14.8.34	1934	S69	B12	PT	D 003	-
31810	Cast Steel Engine Wheels	3" to 1' elevation, section and plan of leading, driving and trailing wheels with balance weights My comment: Stores Ordering drawing for castings	- .5.34	1934	-	J15	PT	D 079	-
31810 -I	Cast Steel Engine Wheels J15 Class-Showing Alteration to Balancing in Leading and Trailing	3" to 1' elevation, section and plan of wheels showing balance weights added	-	-	-	J19	PT	D 078	-

	Wheels to Suit J19 Class	My comment: Stores Ordering drawing; drawing number expressed as 31810-E-1							
31814	Steam Pipe Connection	Full size details of cast iron connection to cylinders	- .5.34	1934	-	J18 J19 J20	PT	D 063	-
31816	Additional Engine Bearer & Stay for Sentinel Engine	3" to 1' elevations and full size details My comment: class not noted on drawing	- .5.34	1934	-	-	PT	D 005	-
31832	Seating Pad for Large Inspection Door	Full size elevations and plan plus schedule of dimensions for various classes and boilers	20.4.34	1934	-	-	PT	D 090	-
31833	Arrangement of Inspection Doors for Boilers	1½" to 1' details for boiler diagrams 69, 70, 71B, 73-75, 97, 100 and 104. Copy of Doncaster Dg No N-771-N	- .5.34	1934	-	-	PT	D 059	-
31839	Sets of Steel Sheets, Plates & Angles & Tees	Unscaled-three tables of material for conversion to round top boiler to Dg No 29803-J18,19 to J19/2 My comment: Stores Ordering drawing	- .5.34	1934	-	J19/2	PT	D 067	-
31839 -1	Sets Steel Cleading Sheets	Unscaled details of 8 14 IWG plates and table of barrel, bands etc. My comment: Stores Ordering drawing	- .10.34	1934	-	J19/2	PT	D 067	-
31840	Loco Tyre	Full size details of 5 items 2'0¾" to 3'0¾" internal diameter My comment: Stores Ordering drawing Copy of Doncaster Dg No T-335-N	- .5.34	1934	-	-	PT	D 053	-
31841	Eccentric Straps and Rods	Fill size elevations and plans of straps and rods Endorsed: for oilcup covers, pin trimmings, etc see dg No 26037-1 My note: applicable to B12 with 5'6" boiler and D14-16 with 9½" piston valves	28.6.35	1935	-	B12 D14 D15 D16 J18 J19 J20	PT	-	-
31842	Four Wheels Coupled Bogie Express Types D14/16-Expansion Link, Motion Block and Particulars of Motion Details	Full size details of components for engines fitted with 5' 1 1/8" diameter round top boiler and 9½" dia piston valves with 6 3/8" travel Endorsed: see Dg No 17245 for wrought iron swing link bracket and pin B12 type; Dg No 31535 for rocking levers; Dg No 17253 rocking lever shaft B12 type; Dg No 30008 swing links and motion block connecting link; Dg No 17245 for cast steel brackets to motion plate for rocking lever shaft B12 type; Dg No 17243 for suspension links for expansion links B12 type with 'long slot' motion-1' 9 15/16" centres	11.2.35	1935	-	D14 D16	PT	D 084	-
31843	Engines Type B12 with Belpaire boilers-Arrangement of Whistle Gear	1½" to 1' and full size details of whistle, cord & handle	18.6.34	1934	-	B12	PT	D 010	-
31845	Expansion Bracket & Adapter	3" to 1' details of boiler expansion bracket and full size details Endorsed: see Dg No 21953 for frame details; Dg No 17263 for expansion angle	- .6.34	1934	-	J20	PT	D 068	-
31846	Expansion Bracket & Adapter	3" to 1' elevation and section and full size details Endorsed: see Dg No 9037 for T26 class frames; Dg No 13958 for expansion angle; Dg No 22206 for 4'4" dia boiler	- .7.34	1934	T26	E4	PT	D 023	-

31847	Expansion Bracket Adapter and Flanged Plate for Tank	3" to 1' elevation and section of components and full size details	- .11.34	1934	-	F3	PT	D 060	-
31848	Cast Iron Base for 2½" Ross Pop Safety Valve-Engines Type B12	Full size details of base	17.7.34	1934	-	B12	PT	D 009	-
31850	Engines Type D13-Bogie Axlebox	Full size elevations, sections and plan of box and bearings	28.8.34	1934	-	D13	PT	D 010	-
31851	D13, D14, D15 & D16 Type Engines-Oilpad for Bogie Axlebox	Full size elevation, section and plan of oilpad Endorsed: see Dg No 31763 for oilpad for bogie axlebox D14-16; Dg No 31850 for bogie axleboxes D13	- .7.34	1934	-	D13 D14 D15 D16	PT	D 028	-
31856	Cast Steel Keeps	Full size elevation, section and plan of keep. Endorsed: see Dg No 31801 for leading and trailing wide axlebox; Dg No 31802 for trailing narrow axleboxes B12; Dg No 32292 for leading and trailing axleboxes N7	- .8.34	1934	-	B12 N7	PT	D 042	-
31858	Engines Type B12- Eccentric Sleeve Seating	Full size sketch showing incidence of cracking and occurrences in 1932, 33 & 34	7.8.34	1934	-	B12	PT	D 028	-
31859	Type B12Engines-Oilpad for Intermediate and Trailing Coupled Axleboxes	Full size elevation, section and plan of oilpad Endorsed: see Dg Nos 31801 & 31802 for axleboxes	20.8.34	1934	-	B12	PT	D 028	-
31933 Part	Manifold Stuffing Box	Full size section only of box Copied from Darlington Dg No 13325-D for B17	- .10.35	1935	-	B17	TP	D 028	-
31990 Part	Crosshead-Cast Steel	3" to 1' elevation, section and plan of casting M comment: Stores Ordering drawing . Copy of part of Darlington Dg No 13227-D	27.7.34	1934	-	B17	PT	D 080	-
32114	B12 Type Engines with Built Up Crank Axles-Sketch Showing Proposed Alteration to Whitemetal in Big End Brasses	Full size sketch showing proposed alteration	13.6.34	1934	-	B12	PT	D 010	-
32120	Engine Details	3" and 6" to 1' elevations of componentsDg No 17229 for piston rod E72; Dg No 26002 for standard buffer, guide and casing; Dg Nos 28080 and 29426 for piston valve liner B12; Dg No 29800 for piston valve liner B17; Dg Nos 29426 and 22886 for piston valve head B12; Dg No 28749 for piston valve head B17; Dg No 30774 for valve spindle crosshead B12	- .6.34	1934	E72 S69 -	J18 B12 B17	PT	D 082	-
32121	Engine Details	6" to 1' and full size details of 24 different components in cast iron, wrought iron, steel, gunmetal My comment: purpose of drawing not stated; details have apparently nothing in common!	- .6.34	1934	-	-	PT	D 064	-
32122	Axlebox Oiler Pat '990B'	6" to 1' elevation, section and plan of oiler for Sentinel engine	- .7.34	1934	-	-	PT	D 057	-
32123	B12 Type Engines with Built Up Crank Axle-Sketch Showing Proposed Alteration to Whitemetal in Big End Brasses	Full size section and elevation of proposals	- .6.34	1934	-	B12	PT	D 009	-
32124	Engines Type B12-Proposed New Position for Blow Down Cock and Additional Mud Door	3" to 1' details of proposal	18.6.34	1934	-	B12	PT	D 009	-
32125	Scoop Plates-Sketch Showing Types of Plates Fitted	3" to 1' details of 4 types of plates and the classes applicable	- .9.34	1934	-	-	PT	D	-

	to Various types of Engines							089	
32125	Slidebar Fastening at Cylinders-Alteration	3" to 1' and full size details of alteration Copy of Darlington Dg No 15898-D	- .8.34	1934	-	B17 D49	PT	D 067	-
32129	B17 Type Engines-Cylinder Covers	Full size part section showing proposed alteration	- .7.34	1934	-	B17	PT	D 009	-
32132	Arrangement of Carriage Heating Pipe	1½" to 1' outline of frame, wheels etc showing heating pipe. Endorsed: this drawing cancelled, see Mr Gresley's instructions H.2/9330 8.12.34 Copy of Doncaster Dg No Y-1337-N	- .6.34	1934	-	B17	PT	D 067	-
32133	Carriage Heating Pipe Clips	Full size details of clips Endorsed: this drawing cancelled, see Mr Gresley's instructions H.2/9330 8.12.34 Copy of Doncaster Dg No Y-1336-N	- .6.34	1934	-	B17	PT	D 067	-
32134	Combined Spring Bracket and Frame Stay in Front of Trailing Wheel	3" and 6" to 1' detail of cast steel stay Copy of Doncaster Dg No A-140-N	- .7.34	1934	-	B17	PT	D 067	-
32136 -1	Oil Box for Crosshead-3 Cylinder Engines	Full size details of oilbox Endorsed: superseded by Dg No 32136-2 Copy of Doncaster Dg No W-409-N	- .7.35	1935	-	A3 K3 V1 O2 P2	PT	D 067	-
32136 -2	Oil Box for Crosshead-3 Cylinder Engines	Unscaled detail of oilbox Copy of Doncaster Dg No W-519-N	- .9.35	1935	-	-	PT	D 067	-
32142	4.4.0 Express Engines Type D15 & D16-Alteration to Grate	3" and 6" to 1' details of fittings and arrangement of alterations Endorsed: altered 17.4.39; see Dg No 34785 for firebars replacing Dg No 16943-GE Firebars; Dg No 22840 for front corner brackets	- .11.34	1934	-	D15 D16	PT	D 026	-
32142 Att	Grate with Double Slope	3" and 6" to 1' details of grate with back bars in same position as main drawing, but front bars raised 2 1/8" at original slope. Endorsed: see Dg No 16943 for firebars; Dg No 12847 for ashpan arrangement; fit 4 engines 28.3.36; all altered to Dg No 32142-E 5.44, added in pencil.	- .3.36	1936	-	D15	PT	D 049	-
32143	4.4.0 Express Engines Type D15-Proposed Smokebox -Chimney, Liner and Blast Pipe	3" to 1' sectional elevation of proposals Endorsed: superseded by Dg No 32143-1	- .12.34	1934	-	D15	PT	D 026	-
32160	Oilpad for Driving Axleboxes	Full size elevations of oilpad Endorsed: see Dg No 31800 for axleboxes; altered 5.12.34, 4.7.36 and 6.6.36	- .8.34	1934	-	B12	PT	D 004	-
32161	Y3 Type Engine-Sentinel Double Geared Loco	1½" to 1' sectional view of part arrangement of reduction gear showing one countershaft bearing. Copy Sentinel Dg No 25553/25	- .8.34	1934	-	Y3	PT	D 030	-
32162	Cast Steel Bracket for Footplate Reservoir Casting	6" to 1' elevation, section and plan of bracket Endorsed: see Dg No 26685 for position of bolt holes in the footplate casting	- 8.34	1934	-	B12	PT	D 011	-
32162 -1	Cast Steel Bracket for Footplate Reservoir Casting	6" to 1' elevation, section and plan of steel casting Endorsed: see Dg No 32162 for details My comment: Stores Ordering drawing	-	-	-	B12	PT	D 011	-

32164	Diagrams of Swaged Tubes showing Bridges in Copper Tubeplate	Full size details on 4 diagrams	- .8.34	1934	-	B17	PT	D 062	-
32165	Proposed Method of Fixing Vertical Pin in Coupling Rod	Full size details of proposal for B12 type engines without side play in trailing axleboxes. Endorsed: for other dimensions see Dg No 25727	- .8.34	1934	-	B12	PT	D 058	-
32166	Axlebox Lubrication Arrangement	1½" to 1' outline of engine in area of coupled wheels and cab showing oil boxes and pipes with 6" to 1' details Endorsed: applicable to engines fitted with axleboxes to Dg Nos 31800, 31801 and 31802; for other engines see dg No 29830	- .9.34	1934	-	B12/3	PT	D 086	-
32176	Indicator of Cap Movement Eng No 8806 with 'Jumper' Blastpipe Cap.	Full size details of lever & rod system to indicate top movement outside smokebox My comment: appears to be for GW type 'jumper' top	- .9.34	1934	-	D15/2	TI	D 043	-
32177	Small End Oilboxes Arranged for Pin Trimmings	Full size arrangement of oilboxes Endorsed: see Dg No 29647 for D14-16 crossheads; Dg No 17213 for B12 crossheads	- .9.34	1934	-	B12 D14 D15 D16	PT	D 043	-
32183	Sketch of Fusible Plug for Sentinel Boilers (Without Lead Filling)	Full size sketch of plug for Sentinel engine	- .9.34	1934	-	-	PT	D 042	-
32188	Sketch Showing Relative Positions of Dust Shield and Main Frame	3" to 1' outline of bogie and frame on a 5 chain curve with the position of the bogie dust shield over the leading bogie axle	- .10.34	1934	-	D14 D15 D16	PT	D 068	-
32189	Engines Types B12, D13-16-Stayed Dust Shield for Bogie Axlebox	Full size details of shield Endorsed: altered 10.35	13.12.34	1934	-	B12 D13 D14 D15 D16	PT	D 026	-
32189 -A	Engines Types B12, D13-16-Proposed Stay for Bogie Axlebox Dust Shield	Full size details of shield Endorsed: see new Dg No 32189 as altered	10.10.34	1934	-	B12 D13 D14 D15 D16	PT	D 026	-
32291	Leading Axlebox (With Side Control)	Full size arrangement and details of axlebox, stirrup, side control spring box etc. Endorsed: various alteration up to 1942	- .10.34	1934	-	N7	PT	D 084	-
32292	Leading (Without Side Control) & Intermediate Axlebox	Full size detailed arrangement and details of axlebox Endorsed: see Dg No 32291 for leading axlebox (with side control); Dg No 32289 for lubrication connections; Dg No 32300 for axlebox covers; Dg No 22686 leading and trailing coupled hornblocks	- .10.34	1934	-	N7	PT	D 084	-
32293	Driving Axlebox	Full size detailed arrangement. Endorsed: see Dg No 32296 for hornstay and alteration to bottom of hornblocks; Dg No 32298 for centre spring hanger & pin fastener; Dg No 32299 for lubrication connections and arrangement; Dg No 22678 for hornblock	- .11.34	1934	-	N7	PT	D 084	-
32294	Hornstay & Alteration to Leading Hornblock for	Full size details of lowering of spring gear.	- .10.34	1934	-	N7	PT	D	-

	Side Play Control Axleboxes	Endorsed: see Dg No 32291 for axlebox; Dg No 22678 for hornblock; Dg No 32297 for hornblock wedges and screws; Dg No 32298 for centre spring hanger and pin joint fastener; Dg No 32295 for hornstay etc for leading of engines with the pony truck (i.e. no leading side play)						054	
32295	Type N7 Engines-Lowering of Spring Gear	Full size details of lowering of leading spring gear for engines Nos 2600-2661 only and trailing coupled hornstay and alterations to hornblock Endorsed: see Dg No 32292 for axlebox; Dg No 22686 for hornblock; Dg No 32297 for hornblock wedges and screws; Dg No 32298 for centre spring hanger & pin fastener; Dg No 32294 for hornstay etc for leading of engines with radial axlebox	- .10.34	1934	-	N7	PT	D 016	-
32296	Lowering of Spring Gear Driving Hornstay and Alteration to Hornblocks	Full size details of lowering of spring gear My comment: axleboxes appear to be deeper, requiring spring gear, hornstrap etc to be lowered, about 1 1/2"	- .10.34	1934	-	N7	PT	D 060	-
32297	Hornblock Wedges	Full size details of leading (with side control), leading (without side control & trailing coupled), and driving Endorsed: see Dg No 22678 for Hornblocks L & D; Dg No 32294 for alteration to hornblocks; Dg No 32291 for axlebox L; Dg No 32294 for hornstay L; Dg No 22686 for hornblocks L & T; Dg No 32295 for alterations to hornblocks L & T; Dg No 32292 for axlebox L & T; Dg No 32295 for hornstay L & T; Dg No 32296 for alterations to D hornblocks; Dg No 32293 for axlebox D; Dg No 32296 for hornstay D	- .11.34	1934	-	N7	PT	D 071	-
32298	Centre Spring Hangers & Pin Fasteners	Full size details of 4 spring hangers and 2 types of leading Endorsed: see Dg No 32291 for leading axlebox (side control); Dg No 32292 for leading (no side control) & T axlebox; Dg No 32293 for driving axleboxes; Dg No 32294 for leading (side control) hornstay; Dg No 32295 for leading (no side control) & T hornstay; Dg No 32296 for driving hornstay	- .10.34	1934	-	N7	PT	D 080	-
32299	Arrangement & Details of Lubrication Connections to Axleboxes	6" to 1' and full size details of leading, driving and trailing boxes, oil fed to points 45° either side of the top of the box	- .10.34	1934	-	N7	PT	D 054	-
32300	Axlebox Covers	Full size details of covers for driving axlebox and leading (no side control) & trailing axleboxes Endorsed: see Dg No 32293 for driving axlebox; Dg No 32292 for leading (no side control) and trailing	- .4.35	1935	L77	N7	PT	D 034	-
32303	Driver's Footstep on RH side of Cab (Inside)	3" to 1' part side elevation of cab and full size details of inside footstep Endorsed: later applied to J17 – J20	1.11.34	1934	-	B12 D14 D15 D16	PT	D 008	-
32303 Att	Arrangement of Driver's Footstep for J17-20 Type Engines	3" to 1' details of footstep Endorsed: for footstep see Dg No 32303	- .12.34	1934	-	J17 J18 J19 J20	PT	D 067	-
32306	Arrangement and Details of Dial Thermometer for	1" to 1' and full size details of fittings and position of tubing	1.11.34	1934	-	B12	PT	D	-

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32309	Engines No 8578- Type B12-Sketch of Blast Pipe Seating on Cylinders Showing Position of Crack in Red	Unscaled isometric sketch showing position of crack	- .11.34	1934	-	B12	PT	D 010	-
32310	Sketch of Single Fire Bar for Six Wheels Coupled Tram Engines Type J70	3" to 1' dimensioned sketch	9.11.34	1934	-	J70	PT	D 015	-
32313	Pin Trimming	Full size elevation and plan of pin My comment: Stores ordering drawing	17.11.34	1934	-	-	PT	D 087	-
32317	Eccentric Sheaves (for Grease Lubrication)	Full size elevation, section and plan of sheaves Endorsed: only to be used for eccentric straps to Dg No 32318-E (31-K) with modification for grease lubrication, to Dg No 32318Att	- .11.34	1934	-	J68	PT	D 049	-
32318 -Att	Modification to Eccentric Strap to Dg No 32318-E(31K) to Suit Grease Lubrication of Sheaves	Full size details of strap and rod Endorsed: for other dimensions of strap and liner see Dg No 32318-E(31K); see Dg No 20220 for grease cup and plunger; Dg No 30380 for grease gun nipple; Dg No 32317 for eccentric sheave; Dg No 29312 for eccentric rods	- .11.34	1934	-	J68	PT	D 049	-
32318 Att	Eccentric Sheave (Bolted type)	Full size elevation, section and plan of sheave Endorsed: for strap etc see Dg No 32318 (31K)	- .10.50	1950	-	J52 N1	PT	D 049	-
32319	Fusible Plug, SR Type	Full size sectional view of plug Copy of Doncaster Dg No N-776-N; see Southern Rly Dg No AS/4621	17.11.33	1933	-	-	PT	D 018	-
32320	Proposed Oil Cap for Lubricating Steam Brake Cylinders	Full size sectional elevation and details of oil cap with tap	- .11.34	1934	-	B17	PT	D 033	-
32321	Coal Stop Plates for Tank Engines	6" to 1' vertical plate at driver's end of coal gate	- .11.34	1934	-	F3-7 J66 J67 G4	PT	D 048	-
32348	Engines Type B17-Proposed Unions for Steam Brake Coupling between Engine and Tender	Full size details of proposal	28.12.34	1934	-	B17	PT	D 021	-
32405	Type B12 Engines with 5' 1 1/8" dia. Belpaire Boiler-Axlebox Lubrication Arrangement	1 1/2" and 6" to 1' side elevation and plan showing arrangement of pipe work for driving wheels	- .1.35	1935	-	B12	PT	D 021	-
32407	Engines Type J18 and J19 with Cylinders Bushed to 19" Dia-Front Cylinder Cover	Full size elevation, section and plan of front cylinder cover Endorsed: altered 4.35	6.2.35	1935	-	J18 J19	PT	D 021	-
32408	Engines Type J18 and J19 with Cylinders Bushed to 19" Dia-Cast Iron Bush for Cylinder Barrel	3" to 1' section of cylinder with bush with dimensions to suit various diameters and full size details	6.2.35	1935	-	J18 J19	PT	D 021	-
32409	Engines Type J18 and J19 with Cylinders Bushed to 19" Dia-PistonHead	Full size elevation, section and plan of piston head	6.2.35	1935	-	J18 J19	PT	D 021	-
32410	Proposed Arrangement of Hulbard Copper Joint Ring for Front Cylinder Covers	Full size part plan of joint ring; scrap section of end cover	- .1.35	1935	-	N7	PT	D 033	-
32414	Steel Pads for Water Gauge	Full size elevation, section and plan of pads Endorsed: for Stephenson, Beardmore and Gorton builds	- .2.35	1935	-	N7	PT	D 059	-
32415	Locomotive Tyres	Full size elevation and section of tyres for 3' 1" diameter wheels Endorsed: traced from stores ordering book sheet 18 My comment: Stores Ordering drawing	- .1.35	1935	-	-	PT	D 022	-

32417 Amend	Engineman's Seat	6" to 1' elevation and plan of folding seat and full size details of components My comment: drawing shows seat on RH trailing sandbox for LH drive engine N7 class	- .2.35	1935	-	N7 F4 F5 F6 Y4	PT	D 034	-
32418	Standard Fusible Plug SR type	Full size arrangement of plug Endorsed: cancelled, see new diagram, same number 3.35 My comment: Copy of Doncaster Dg No N-822-N	29.12.34	1934	-	-	PT	D 023	-
32418 Amend	Standard Fusible Plug SR Type	Full size arrangement of plug Endorsed: superseded earlier drawing, same number; altered 8.11.44 Copy of Doncaster Dg No N-822-N	26.2.35	1935	-	-	PT	D 023	-
32419	Piston Ring	6" to 1' elevation, section and plan of ring for engines J18, J19 with cylinders bushed to 19" dia Mt comment: Stores Ordering drawing	- .2.35	1935	-	J18 J19	PT	D 022	-
32426	Axlebox Lubrication Arrangement	1½" and 6" to 1' and full size detailed arrangement of revised lubrication to coupled wheel axleboxes for engines No s 2632-2661	- .2.35	1935	-	N7	PT	D 085	-
32427	Sketch Showing Joint between Schmidt's Superheater Header and Elements	Full size details of joint with copper-asbestos washer	- .2.35	1935	-	-	PT	D 060	-
32428	Coupled Axlebox Oiler Pads	Full size details of 3 types Endorsed: for axleboxes see Dg Nos 32291, 32292 and 32293	- .2.35	1935	-	N7	PT	D 078	-
32429	Crosshead Arm	Full size elevation, section and plan of arm for N7 Long valve travel Endorsed: see Dg No 25931 for motion arrangement; Dg No 26390 for details	- .2.35	1935	-	N7	PT	D 042	-
32430	'Walkerite' Joints for Blast Pipes	6" to 1' details of 8 joints	- .2.35	1935	-	-	PT	D 074	-
32431	Axlebox Lubrication Connection Details	Full size details for type B12 Engine with 'Empire' mechanical lubricator for axleboxes Endorsed: one engine to be fitted 11.3.35; all engines to be fitted 7.3.35	- .2.35	1935	-	B12	PT	D 068	-
32433	Backplate for Water Gauge Glass Protectors	Full size details of protectors Copy of Gorton Dg No 16568A-C	- .8.35	1935	-	-	PT	D 077	-
32433 -1	Hinged Back Plate for Gauge Glass Protector with Springs	Full size elevation, section and plan of back plate and table of dimensions for various classes	- .3.35	1935	-	-	PT	D 076	-
32433 -3	Water Gauge Glass Protector	Full size arrangement Endorsed: top altered 5.3.46 Copy of Gorton Dg No 16568-C	6.9.35	1935	-	-	PT	D 029	-
32433 -4	Spring for Water Gauge Glass Protector	Full size details of spring Endorsed: see Gorton Dg No 16568-C for protector Copy of Gorton Dg No 16568B-C	21.11.35	1935	-	-	PT	D 053	-
32434	Blower Valve Seating Suitable for Air Ministry Joints	Full size details of 2 types for 7/8" and 5/8" internal diameter steam pipe to blower valve Endorsed: not required for B17 and B12/3	- .3.35	1935	-	-	PT	D 068	-
32434 -1	Blower Valve Seating	Full size elevation, section and plan of seating for steam pipe to blower in smokebox	- .9.35	1935	-	F5 F6	PT	D 044	-



						B12 J20 D16(Bel)			
32439	Steel Boiler Angle Rings	1½" to 1' elevation and plan of rings for round top firebox My comment: Stores Ordering drawing ; presumably rolled in one piece	- .3.35	1935	-	N7	PT	D 068	-
32440	Sets of Steel Boiler Plates Sets of Steel Boiler Tubes	Unscaled-two tables of dimensions for plates and tubes for round top firebox My comment: Stores Ordering drawing	- .3.35	1935	-	N7	PT	D 064	-
32441	Blast Pipe	6" to 1' elevations and plan of blast pipe Endorsed: one engine to be fitted for trial	- .3.35	1935	-	D15	PT	D 005	-
32442	Chimney Liner and Petticoat	6" to 1' part sectioned side and plan elevations of liner and petticoat Endorsed: one engine to be fitted for trial but subsequently deleted	- .4.35	1935	-	D15	PT	D 031	-
32442 -I	Alterations to Base of Chimney	6" to 1' sectional elevation and plan of chimney base Endorsed: one engine for trial	- .6.36	1936	-	D15	PT	D 005	-
32442 Att	Bonze Lug for Fitting to Chimney Cowl when Existing C.I Lug is Broken Off	6" to 1' details of lug	- .2.52	1952	-	D15/2	PT	D 042	-
32443	Engines Type N7 Nos. 2600-2631 Axlebox Lubrication Arrangement (Cab and Right Hand Driving Horn Cheek)	3" and 6" to 1' elevations of backplate of round topped boiler Endorsed: see Dg No 32426 for further layout of lubrication piping	- .3.35	1935	-	N7	PT	D 011	-
32445	Ejector Branch Flange	Full size details of flange for Left hand ejector and separate ¾" graduable steam brake valve	- .3.35	1935	-	-	PT	D 039	-
32446	Combined Westinghouse and Vacuum Exhaust Connection in Smokebox	3" to 1' and full size sectional elevation and details Endorsed: one engine to be fitted for trial	- .5.35	1935	-	D15	PT	D 005	-
32450	Lubrication Arrangement for Bogie Centre and Slide	3" to 1' part elevation of bogie centre and detailed drawing Endorsed: bogie slide lubrication altered to Dg No 33408 3.37".	- .4.35	1935	-	B12	PT	D 005	-
32451	Axlebox Lubrication Arrangement	1½" and 6" to 1 and full size arrangement and details of revised lubrication to coupled-wheel axleboxes on outline engine shown Endorsed: not for engines Nos 2600-2661; corres. Ref. H2/9615 'Hot boxes on locos agreed by CME 26.4.35'	- .4.35	1935	-	N7	PT	D 085	-
32453	Engines Type D14-16 with Boiler to Dg No 29803-Ejector Train Pipe Connection Casting	Full size details of ejector train pipe connection casting in cab, connecting ejector to train pipe	2.5.35	1935	-	D14 D15 D16	PT	D 025	-
32454	B12 Engines 5'6" Dia Boiler-Mud Doors for Saddle Plate	Full size details of doors for saddle plate Endorsed: altered 13.8.35	8.5.35	1935	-	B12	PT	D 025	-
32455	Grease Lubrication-Standardisation of Grease Nipples	Three times full size details of standard "Enot" nipple and diagrams showing two existing nipples and their replacements Endorsed: Copy of Doncaster Dg No Y-1393-N	- .3.35	1935	-	-	PT	D 035	-
32456	B12 Type Engines Fitted with A.C.F.I. Feed Water Heating Apparatus-Bronze Tee Piece for Overflow Return Pipe	Full size elevation, section and plan of tee piece My comment: pencil on oiled tracing paper-torn	- .5.35	1935	-	B12	TP	D 030	-
32457	Catch for Water Scoop Handle	Full size arrangement of catch and handle Endorsed: cancelled, see Dg No 32457-I	23.4.34	1934	-	-	PT	D 026	-
32457 -I	Catch for Water Scoop Handle	Full size details of six component and arrangement of catch on handle	29.4.36	1936	-	-	PT	D 026	-

		Copy of Doncaster Dg No Z-119							
32458	Type B12 Engine with 5'1 1/8" Dia. Belpaire Boiler-Arrangement of Wakefield's "Fountain" Axlebox Lubricator	1 1/2" and 6" to 1' arrangement of axlebox lubricator applied to coupled wheels Endorsed: this drawing supersedes Dg No 31585	28.5.35	1935	-	B12	PT	D 025	-
32459	Engines Type B12 with 5'1 1/8" Dia. Belpaire Boiler-Oilpipe, Clips and Brackets for Wakefield "Fountain" Axlebox Lubrication Arrangement	6" to 1' and full size details of 15 components including clips and brackets	28.5.35	1935	-	B12	PT	D 026	-
32461	Vertical Pin for Coupling Rod	Full size arrangements of existing and proposed pin My comment: drawing No 2150A/CME Dept. SDO number added in pencil, indexed 11.35	- .9.29	1929	-	B12	PT	D 018	-
32462	Alteration to Gresham and Craven's Reducing Valve	Full size details of alteration showing new and existing arrangements of vacuum valve Copy of Doncaster Dg No J-462-N	- .5.35	1935	-	-	PT	D 038	-
32463	Position of Inspection Doors	3" to 1' details, two each side for round top boilers Endorsed: see Dg No 35028 for alterations 22.5.42	- .6.35	1935	-	N7	PT	D 052	-
32465	Seating Pads for Standard Water Gauge	Full size details of pads, 4 per set, for round top boilers	- .6.35	1935	-	N7	PT	D 068	-
32468	Engine and Tender Spring Links	6" to 1' and full size undimensioned details of 4 types My comment: drawing on reverse of film, annotation on front	- .6.35	1935	-	-	PT	D 082	-
32469	Protectors for Lubrication Pipes to Piston Valves	Full size details of protectors Endorsed: see Dg No 30007 for cylinders with 8" piston valves	- .6.35	1935	-	D16/3	PT	D 041	-
32470	Vacuum Drip Valve	Full size arrangement Endorsed: to be fitted to all engines at present fitted with C.I. drip-tap 28.12.48	- .6.35	1935	-	-	PT	D 034	-
32471	B12 Engines with 5'1 1/8" Dia. Belpaire Boiler-Diagrams of Resultant Pressures on Coupled Axlebox Journals	Unscaled diagrams of leading, intermediate and trailing axleboxes, with angles and intensity of forces acting on them for different positions of cranks: five positions when starting in full gear, 180 psi; four positions when running at 5rev per sec (69.6 mph) 20% cut-off Endorsed: see Dg Nos 31800, 31801 and 31802 for axleboxes	- 6.35	1935	-	B12 B12/2	PT	D 004	-
32472	Locomotive Tyres	Full size section for tyres, inside diameter 3' 3" and 4' 1" My comment: Stores Ordering drawing, from sheet No 23 Copy of Doncaster Dg No T-336-N	- 6.35	1935	-	-	PT	D 004	-
32473	Connecting Rod	1 1/2" to 1' elevation, section and plan of rod and full size details Endorsed: big end brasses altered 1.5.37; for old oil boxes use adaptors to Dg No 29313 with standard oil box covers to drawing 26001 My comment: Copy of Beyer Peacock drawing	- .6.35	1935	-	B12	PT	D 004	-
32475	Pocket in Lagging and Cover for Reversing Rod and Bracket	Full size elevations of reversing rod cover and pocket in firebox lagging for engines with 9 1/2" dia piston valves	- .10.35	1935	-	D16/3	PT	D 006	-
32476	Pocket in Lagging and Splasher to Clear Reversing Shaft and Arms	6" to 1' details of lagging and splasher in vicinity of reversing shaft arm for engines with 9 1/2" dia piston valves	- .9.35	1935	-	D16/3	PT	D 006	-
32477	Arrangement of Pipework to suit 3/4" Graduable Steam Brake Valve	1 1/2" to 1' outline of cab, bunker etc., showing brake cylinder, pipe work etc., of shunting engine with lever in reverse and vacuum brake ejector	- .7.35	1935	-	J69	PT	D 068	-
32478	Alterations to Cock and Sand Rods to Suit	3" to 1' details of alterations	- .7.35	1935	-	J20	PT	D	-

	Expansion Bracket Adapter							068	
32481	Engines Type J66-69-Cast-iron Wheels, 15 spoke	3" to 1' and full size sections and elevations, including tyres	25.7.35	1935	-	J66 J67 J68 J69	PT	D 003	-
32482	Engines with Stephenson Valve Gear-Eccentric Rod Liners	Full size details of liners with dimensions to suit classes B12, D13-D16, E4, F3, F5, F6, J17, J20, F4, F7, J15, J65-J69	2.8.35	1935	-	-	PT	D 002	-
32483	Type N7 Engines-Arrangement of Wakefield's Fountain Axlebox Lubricator	1½" to 1' - 3 sets of plans and elevations My comment: drawing not completed, details to be added	- .7.35	1935	-	N7	PT	D 003	-
32488	Method of Renewing Trunnions on Cab Side Screens	Full size details of method Copy of Doncaster Dg No W-500-N	6.11.34	1934	-	-	PT	D 002	-
32489	Proposed Rubber Pad for Bogie-Engines Type B12 with 5'6" Dia Boilers	6" to 1' details of pad	22.8.35	1935	-	B12	PT	D 002	-
32490	Lubricator Details for D14 and D16 Type Engines with 9½" Dia. Piston Valves-Details of Pipework, Clips and Fittings	6" to 1' and full size details of pipe work, clips and fittings	8.11.35	1935	-	D14/2 D16/3	PT	D 003	-
32491	Superheater Steel Smoke Box Tube with Screwed End	Full size details of tube Endorsed: supersedes Dg No 26903,; length altered from 10' 1¾" to 10' 2" at boiler shop request 5.12.50	- .10.35	1935	-	N7	PT	D 054	-
32492	Engines Type B12 with 5' 6" Dia. Boiler-Arrangement of Wakefield's Fountain Axlebox Lubricator	1½" and 6" to 1' outline of cab, frame and coupled wheels showing lubrication piping	- .11.35	1935	-	B12/3	PT	D 061	-
32493	Engines Type B12 with 5' 6" Dia. Boiler-Oil Pipe Clips and Brackets for Wakefield's Fountain Axlebox Lubrication Arrangement	6" to 1' and full size details of 15 components with schedule	30.10.35	1935	-	B12	PT	D 089	-
32494	Arrangement of Trailing Sandboxes and Gear	3" to 1'elevation, section and plan of trailing sandboxes in cab	- .11.35	1935	-	D14 D16	PT	D 038	-
32495	Details of Trailing Sanding Gear	6" to 1' and full size details of components for engines with 9½" piston valves Endorsed: see Dg No 32494 for arrangement	- .11.35	1935	-	D16/3	PT	D 060	-
32497	Suggested Method of Securing Levers to Whistle Shaft	Full size elevation of shaft and levers Endorsed: shown to Mr. Thorn 23.10.35, but not approved	- .10.35	1935	-	-	PT	D 035	-
32498	Diagrams of Resultant Pressures on Coupled Axlebox Journals	Unscaled details of resultant loads for forward running show, for LH and RH axleboxes, leading driving and trailing. 10 different crank positions, high as 60.5t on driving boxes	- .10.35	1935	-	N7/2	PT	D 059	-
32649	2" Cast Iron Bend for Vacuum Brake	Full size details of bend at tope of vacuum pipe Copy of Darlington Dg No 15397-D 31.12.37	- .5.35	1935	-	-	PT	D 039	-
32701	Lubrication Arrangement	1½" to 1' elevations and plan of engine showing arrangement of lubricators and feed pipes Endorsed: position of lubricator shaft altered 26.5.44	- .2.36	1936	-	D16/3	PT	D 087	-
32702	Two Feed Oilbox and Boiler Backplate Bracket	6" to 1' and full size arrangement and details of components	- .9.35	1935	-	D16/3	PT	D 033	-
32703	Bogie Pin and Stretcher, Engines Type B12 with 5' 6" Dia. Boiler-Arrangement	3" to 1' elevation, section and plan Endorsed: in pencil-not carried out	- .9.35	1935	-	B12	PT	D O89	-
32704	Flame Scoop Plate	3" to 1' elevation and plan of plate	- .9.35	1935	-	B17	PT	D	-

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32705	Steel Smoke Tube Pieces	Full size details of item numbers 116, 125, 132, 137, 147, 160;; lengths undimensioned, 4" to 5 1/4" outside diameter Endorsed: for tendering purposes only	- .9.35	1935	-	-	PT	D 043	-
32707	Engineman's Torch Lamp	Full size elevations and section of torch Copy of Gorton Dg No 16741-C	- .11.35	1935	-	-	PT	D 043	-
32708	Locomotive Head Lamp	Full size elevations, section and plan of lamp with provision for purple and red glasses Endorsed: cancelled, see Dg No 33526 Copy of Gorton Dg No 16784-C Gorton 10.34	- .11.35	1935	-	-	PT	D 073	-
32710	Alteration to Oil Well, Connecting Rod Small End	Full size elevations and plan of connecting rod small end Copy of Doncaster Dg No S-312-N	- .6.35	1935	-	-	PT	D 033	-
32715	Three Way Cock	Full size details of cock, tastefully coloured for engine indicating indicating gear, selecting either end of cylinder Endorsed: altered in blue for A55 (Decapod) class 23.3.03 My comment: drawing belatedly numbered and indexed 19.11.35	23.6.98	1898	-	-	PT	D 030	-
32716	Alteration to Valve Spindle Crosshead and Spindle	Full size details of alteration to suit adjustment to valve by packing washers	-	1936	-	N7	PT	D 042	-
32717	Proposed Arrangement of Firebars to give Increased Air Space on Engines Type D15	3" and 6" to 1' details of proposals: Endorsed: 5 engines to be fitted for trial	- .12.35	1935	-	D15	PT	D 048	-
32721	Details for A.C.F.I. Cut-off Valve and Exhaust Steam Injector Gear	6" and 3" to 1' details for B12 with A.C.F.I. feed water and exhaust steam injector My comment: some items only are new, others appear to be those associated with exhaust steam injector mounted by bogie, as fitted 1919 onwards	- .2.36	1936	-	B12	PT	D 086	-
32722	Cut Off Valve for Exhaust Steam Injector	Full size details for B12 with A.C.F.I. feed water heater and exhaust steam injector	- .1.36	1936	-	B12	PT	D 061	-
32723	Cut Off Valve for Exhaust Steam to A.C.F.I. Feed Water Heater	6" to 1' details of valve My comments: engine also fitted with exhaust steam injector and flap valve in exhaust steam pipe out of smoke box; very late date (1936) for A.C.F.I. gear mode	- .1.36	1936	-	B12	PT	D 062	-
32724	Type B12 Engine-Blast Pipe	6" to 1' sections and plan of blast pipe for engines fitted with A.C.F.I. feed water heater and exhaust steam injector	3.2.36	1936	-	B12	PT	D 030	-
32725	Blast Pipe Connection for Exhaust Steam Injector	6" to 1' details of connection for B12 with A.C.F.I. feed water heater and exhaust steam injector My comment: through side of smokebox, with cut off valve	- .2.36	1936	-	B12	PT	D 062	-
32726	Engines Types J65-J69-Tank Air Vent	Full size details of vent My Comment: imperial dimensions but bend in vent pipe is 90mm diameter!	2.1.36	1936	-	J65 J69	PT	D 015	-
32727	Firebars	6" to 1' elevation and section of firebar to suit grate to Dg No 32717	- .1.36	1936	-	D15	PT	D 059	-
32728	L.N.E.R. Engines G.E.R. Section Axle Journals	Table showing journal dimensions for G.E. locomotive classes when new and at minimum diameter	1.1.36	1936	-	-	PT	D 030	-
32735	Arrangement of Indicating Gear	3" to 1' details of levers etc for engine No 1270 My comment: drawing number is c.1934/1935, possibly drawing was	- .6.20	1920	-	D81 J20	PT	D 058	-

		not numbered originally and the addition of 'J20' may indicate use again in 1934/5							
32736	Sketch Showing Position of Recording Pyrometer	Unscaled sketch showing pyrometer in superheater header, of No 8900, bracket on smokebox to carry instrument	- .9.33	1933		D16/3	PT	D 057	-
32739	Engines Types J18 and J19-Brackets and Clips for Horncheek Lubrication	Full size details of 3 types of clips and brackets	19.2.36	1936	-	J18 J19	PT	D 014	-
32740	Brackets and Clips for Horncheek Lubrication	Full size details of brackets and clips	- .2.36	1936	-	J17 F3	PT	D 067	-
32741	Cock for Auxiliary Control Pipe to Exhaust Injector	Full size elevations and section of cock Copy of Doncaster Dg No W-434-N	- .2.36	1936	-	K3	PT	D 077	-
32743	Grate with Double Slope	1" to 1' arrangement and details of grate Endorsed: experimental grate, one engine to be fitted, pencil note cancels drawing and refers to new drawing	- .3.36	1936	D56	D15	PT	D 022	-
32757	Brackets and Clips for Horncheek Lubrication	Full size details of brackets and clips	- .3.36	1936	-	F4 F5 F6	PT	D 050	-
32758	Alteration to Front Ashpan Corner Brackets and Bearer	1½" to 1' and full size details of alteration for D15 engines with grate to Dg No 32142	- .3.36	1936	-	D15	PT	D 009	-
32759	Alteration to Grate-For D14 & D16 Engines with 5' 1½" Diameter Round Top Boiler	3" to 1' section of grate Endorsed: see Dg No 16943 for GE pattern firebars; Dg No 32142 for grate	- .3.36	1936	-	D14 D16	PT	D 009	-
32760	Horncheek Lubrication Arrangement	1½" to 1' arrangement showing location of oil boxes, pipes etc to driving & intermediate horns My comment: some cab profile etc shown	- .4.36	1936	-	F3	PT	D 050	-
32761	Blast Pipe	6" to 1' sections and plan of blast pipe	- .4.36	1936	-	D15	PT	D 022	-
32762	Blast Pipe Cap & Liner	Full size elevation, section and plan of cap and liner	3.4.36	1936	-	D15	PT	D 022	-
32764	Bogie Spring Hanger Fitted with Rubbers	6" to 1' sectional elevations and table of elevations	- .5.26	1936	-	B12 D15 D16	PT	D 031	-
32765	Brick Arch	3" to 1' sectional elevation & plans of firebox and brick arch Copy of Doncaster Dg No N-849-N	- .3.36	1936	-	K3	PT	D 083	-
32766	Loco Type 'Menno' Grease Cup 1oz capacity	Full size elevation of grease cup	- .5.36	1936	-	Std	PT	D 031	-
32767	Lubrication of Gudgeon Pin	Full size details of pin Copy of Doncaster Dg No L-106-N	9.11.35	1935	-	A1 A3 A4 K3	PT	D 022	-
32768	Outside Connecting Rod	1½" to 1' elevation, section and plan of rod and full size details and parts schedule Copy of Doncaster Dg No S-314-N	- .10.35	1935	-	K3	PT	D 031	-
32769	Combined Pad for Water Gauge & Blank for Ejector	Full size details of pad showing position on backplate of boiler	- .5.36	1936	-	E4	PT	D	-

	Steam Cock Hole	Endorsed: see Dg No 30004 for pad						031	
32860	Crosshead Arm ( for trial )	Full size elevation, section and plan of arm Endorsed; 2 engines to be fitted for trial-short travel engines; superseded by Dg No 34525	- .5.36	1936	-	N7	PT	D 035	-
32861	Sketch of Flaw in Flange of Tender Tyre Supplied by English Steel Corp Ltd (Vickers) Indent 392	6" to 1' details of flaw	- .5.34	1934	-	-	TI	D 057	-
32862	Alteration to Top of Mason's Steam Heating Valve	Full size details of valve Copy of Doncaster Dg No Y-1523	1.5.36	1936	-	-	PT	D 025	-
32863	Engines type N7 ( Non Condensing )-Blast Pipe	6" to 1' sections and plan of blast pipe	- .5.36	1936	-	N7	PT	D 012	-
32864	Rod, Pipe, Lubrication, Steam Heating & Vacuum Details	3" and 6" to 1' and full size details for rebuilds with Boiler to Dg No 29803	- .5.36	1936	-	J19/2	PT	D 012	-
32865	Cast Iron Drag Box	3"to 1' elevation, section and plan of drag box Endorsed: Dg No 2	4.5.36	1936	-	K3	PT	D 014	-
32866	Boiler Steadying Bracket	Full size elevation, section and plan of bracket Copy of Doncaster Dg No N-851 2.5.36	- .5.36	1936	-	K3	PT	D 041	-
32868	Catch for Water Scoop Handle-Group Standard Tender	Full size details of 5 component 4200 gal group standard tender Copy of Doncaster Dg No Z-120	16.5.36	1936	-	-	PT	D 014	-
32870	N7 Engines with Pony Truck & No Leading Side Play-Diagram of Engine on 5 ½ Chain Curve	1½ " to 1' diagram showing play 2½" each side on pony truck	- .5.36	1936	-	N7	PT	D 012	-
32871	N7 engines with Radial Truck & Leading Side Play-Diagram of Engine on 5 ½ Chain Curve	1½ " to 1' diagram showing wheel positions on curve	- .5.36	1936	-	N7	PT	D 034	-
32872	Special Firebar for Front of Drop Grate	Full size details of firebar Endorsed: altered 1.9.36 Copy of Doncaster Dg No X-593	22.4.36	1936	-	J39 K3	PT	D 015	-
32874	½ oz "Menno" Grease cup (Steel) to suit N7 Combination Lever	Full size details of grease cup	- .5.36	1936	-	N7	PT	D 015	-
32875	Engines Type B12 with 5' 6" Boiler-Arrangement & Details of Steam Chest Pressure Gauge	1½ " to 1' and full size details shown on outline of part of engine	9.6.36	1936	-	B12	PT	D 090	-
32876	Engines Type B12-Arrangement of Steam Chest Pressure Gauge	1½ " to 1' arrangement of gauge & piping shown on outline of engine	23.9.36	1936	-	B12	PT	D 090	-
32878	Group Standard Coal Slacking Cock & Pipe	Full size details of cock and pipe Copy of Doncaster Dg No W-534	27.5.36	1936	-	-	PT	D 061	-
32879	Steel Smoke Tube Pieces	Full size details of short pieces, expanded at end 12", 16" & 20" long My comment; probably for repairs	- .6.36	1936	-	-	PT	D 062	-
32880	Experimental Piston Head & Piston Rings	Full size elevations and section of standard B12 piston profile to Dg No 30317, two narrow rings in each groove held in position with spilt at top Endorsed; one engine to be fitted for trail, having one standard piston with narrow rings to Dg No 30317 and one as shown	- .6.36	1936	-	B12	PT	D 062	-
32881	Diagram for Recording Cylinder Wear	Unscaled simple diagram	12.6.36	1936	-	-	PT	D 051	-
32881 -I	Diagram for Recording Cylinder Wear	Unscaled simple diagram	-	1936	-	-	PT	D 051	-

32881 -I	Diagram for Recording Cylinder Wear	Unscaled simple diagram	-	1936	-	-	PT	D 051	-
32881 -I	Diagram for Recording Cylinder Wear	Unscaled diagram measured at 10 points along length & 8 radial positions for B12, D16, N7	- .7.36	1936	-	B12 D16 N7	PT	D 051	-
32884	Brake Hanger Brackets	6" to 1' elevation and plan of cast steel castings Endorsed: for engines Nos 8860-8900 (S46 Class) My comment: Stores Ordering drawing	- .6.36	1936	-	D16	PT	D 072	-
32885	Details for Vacuum Brake 3500 / 4200 gallon Tenders	3" to 1' details of brake Copy of Darlington Dg No 15414-D 6.33	10.6.36	1936	-	-	PT	D 085	-
33010	Arrangement of Reversing Gear 4.6.2 Type Engine L H Drive A3	1 1/2 " to 1' details relating to cab layout Copy of Doncaster Dg No K-341-N 16.11.30	10.6.36	1936	-	A3	PT	D 027	-
33011	Balancing of D15/16 & B12-Diagram of Original Calculated Balanced Masses	Unscaled blank diagram	- .7.36	1936	-	D15 D16 B12	PT	D 041	-
33012	Regulator Valve	Full size details of double-beat valve, balanced for engines Nos 2800-2804 & 2810-2836 Copy of Doncaster Dg No W-537	- .6.36	1936	-	B17	PT	D 040	-
33013	Drivers Notice in Cab of 3 Cylinder Engines	Full size elevation of bronze plate inscribed 'Coasting cut-off When the regulator is closed at speeds exceeding 25 MPH the gear must be put at 25% cut off ' Endorsed: supersedes Dg No 36-13	- .7.36	1936	-	A1 A3 A4 B17 K3 O2 P1 P2 V1 V2	PT	D 039	-
33028	Trailing Radial Wheel	3" to 1' arrangement of 3' 9" diameter wheel and full size section of tyre Endorsed: diameter of tyre fastening pins altered 16.3.39	- .7.36	1936	M15 M15R G69 -	F4 F5 F6 N7	PT	D 035	-
33028 -I	Trailing Radial Wheel Centres	3" to 1' elevation and section of centre casting for 10 spoke wheel 3'3" over centre and 8" diameter axle bore My comment: Stores Ordering drawing	15.7.36	1936	-	F4 F5 F6 N7	PT	D 039	-
33028 -I	Trailing Radial Wheel Centres	3" to 1' elevation and section of steel centre casting My comment: Stores Ordering drawing	- .7.36	1936	-	F4 F5 F6 N7	PT	D 078	-
33029	Drop Grate Firebars	3" to 1' elevation and plan of firebars Copy of Darlington Dg No 16385-D	- .7.36	1936	-	B17 D49 J39	PT	D 037	-
33030	Firebars for Drop Grates	6" to 1' elevation and plan of firebar Copy of Darlington Dg No 11472-D 10.30	- .7.36	1936	-	A2 B12/3	PT	D 065	-

						B17 C9 D49 J38 J39			
33031	Speed Diagram of K3 No 202 on 6.50 p.m. Ex March 5 <sup>th</sup> August 1936	Unscaled diagram for March to Spalding line, milepost 25-44; graph of speed / miles with load 250 tons	6.8.36	1936	-	K3	OI	D 067	-
33031 -I	Speed Diagram of K3 No 135 on 6.50 p.m. Ex March 11 <sup>th</sup> August 1936	Unscaled diagram; graph of speed / miles with load 210 tons	12.8.36	1936	-	-	OI	D 067	-
33032	Caps for 9mm & 10mm Combination Injectors	Full size details of cap to suit group standard coal slacking cock Copy of Doncaster Dg No J-488	22.7.36	1936	-	-	PT	D 020	-
33033	Diagram of Hammer Blows on B12 & D14/16 Engines	Unscaled diagram showing shows 2.74T <u>UP</u> for B12 driving wheels , with inside cranks & side-rods in phase	- .8.36	1936	-	B12 D14 D15 D16	PT	D 037	-
33034	Engine No 7070 Type F6-Broken Intermediate Axle	3" to 1' & full size details of break at wheel seat broken between Battlesbridge & Woodham Ferrers 13.8.36	- .8.36	1936	-	F6	PT	D 035	-
33037	Brakeshaft Carrier & Spring Hanger Bracket-Right Hand Bracket	Full size elevation, section and plan of bracket Endorsed: for left hand bracket see Dg No 33039 Copy of Darlington Dg No 16048-D	23.2.35	1935	-	J39	PT	D 083	-
33038	Details for Vacuum Brake	3" to 1' and full size details of 24 components Copy of Darlington Dg No 16025-D; altered 30.5.36 on office copy	25.1.35	1935	-	J39	PT	D 083	-
33039	Brakeshaft Carrier & Spring Hanger Bracket-Left Hand Bracket	Full size elevation, section and plan of bracket Endorsed: see Dg No 33037 for right hand bracket Copy of Darlington Dg No 16017-D	15.1.35	1935	-	J39	PT	D 083	-
33040	Vacuum Brake Cylinder Brackets (Fabricated)	Full size details of two brackets Copy of Darlington Dg No 16045-D	20.2.35	1935	-	J39	PT	D 020	-
33042	Locomotive Tyres for Retopped Wheel Centres	Full size elevation and section of tyre showing profile of tyre with table of dimensions traced from Loco tyre stores ordering book , sheet 1 My comments: Stores Ordering drawing Copy of Doncaster Dg No T-327-N	- .9.36	1936	-	-	PT	D 077	-
33043	Engines Type B12-Sketch showing Radius at Crosshead End of Piston Rod	Full size section of rod My comments ; tracing paper drawing damaged	- .9.36	1936	-	B12	TI	D 090	-
33044	Engine Type NI Vacuum Ejector Bracket	6" to 1' details of bracket	16.9.36	1936	-	NI	PT	D 014	-
33047	Connecting Rod	Full size elevation, section and plan of rod , strap big-end brasses etc	- .10.36	1936	-	D15 D16	PT	D 086	-
33048	Group Standard Coal Slacking Cock	Full size arrangement of cock and details of 14 components Endorsed: altered 2.43, 4.44 and 12.46; see Dg No 34796 for adapter to suit GE type coal watering cocks (Dewrance type) Copy of Doncaster Dg Dg W.542	23.9.36	1936	-	-	PT	D 016	-
33132	Crank Axle No 45	3" to 1' elevation and section of axle for forgings My comment: Stores Ordering drawing Copy of Doncaster Dg No T-195-N	- .11.36	1936	-	N2/3 N2/4 J50	PT	D 080	-



33133	Axle No 56	3" to 1' elevation and section of axle for Forgings My comment: Stores Ordering drawing Copy of Doncaster Dg No T-196-N	- .11.36	1936	-	N2/3 N2/4	PT	D 080	-
33134	5ft 2in Driving Wheel Centres 0-6-2 Type Engines	3" to 1' elevation and section of centres for castings My comment: Stores Ordering drawing Copy of Doncaster Dg No T-195-I	- .11.36	1936	-	N2/3 N2/4	PT	D 065	-
33135	5ft 2in Leading & Trailing Wheel Centres 0-6-2 Type Engines	3" to 1' elevation and section of centres for castings My comment: Stores Ordering drawing Copy of Doncaster Dg No T-196-I	- .11.36	1936	-	N2/3 N2/4	PT	D 065	-
33136	Leading & Trailing Wheel Centres	3" to 1' elevation and section of centres for castings and full size details My comment: Stores Ordering drawing Copy of Doncaster Dg No T-105-N	- .11.36	1936	-	J1 N1 N2	PT	D 070	-
33137	No 31 Horn Block & Wedge	6" to 1' elevation, section and plan of components for castings My comment: Stores Ordering drawing Copy of Doncaster Dg No Ub 125-IN	- .11.36	1936	-	N1 N2/1	PT	D 065	-
33138	Spring Bracket 0-6-2 Type Side Tank Engines Class N2	6" to 1' elevation, section and plan of casting My comment: Stores Ordering drawing Copy of Doncaster Dg No V-169-IN	- .11.36	1936	-	N2	PT	D 065	-
33139	Spring Bracket	6" to 1' elevation, section and plan of steel casting My comment: Stores Ordering drawing Copy of Doncaster Dg No V-169-2N	24.11.36	1936	-	N2/3 N2/4	PT	D 062	-
33142	Millboard ½" Thick for Lagging Firebox Back Plate for 4' 8" Diameter Boilers	1½ " to 1' side elevation of mill board Copy of Doncaster Dg No G.20 8.1.31	24.1.36	1936	-	N1 N2	PT	D 009	-
33143	Cast Steel Slideblock for Crossheads 0-6-2 Metn. Side Tank Engines	Full size details of outside slideblock Copy of Doncaster Dg No L54-I	24.11.36	1936	-	N2	PT	D 009	-
33144	Cast Steel Slideblock for Crossheads 0-6-2 Metro. Side Tank Engines	Full size details of inside slideblock Copy of Doncaster Dg No L 54-2							
33145	Crosshead 'A' Cast Steel	Full size details of crosshead Copy of Doncaster Dg No 34 L	24.11.36	1936	-	N1 N2	PT	D 009	-
33146	Connecting Rod	3" to 1' plan and side elevation of forging My comment: Stores Ordering drawing Copy of Doncaster Dg No S107-1 29.7.20	24.11.36	1936	-	N2	PT	D 009	-
33147	Connecting Rod Strap	3" to 1' plan and side elevation of forging My comment: Stores Ordering drawing Copy of Doncaster Dg No S107-2 29.7.20	24.11.36	1936					
33148	L&NERly Coupling Rods for 6-W-C Engine	3" to 1' elevation, section and plan of forgings for leading and trailing rods My comment: Stores Ordering drawing	24.11.36	1936	-	N1 N2	PT	D 009	-
33149	L&NERly Crank Pin 40C	Full size elevation, section and plan of pin Copy of Doncaster Dg No S-43-3 19.4.29	24.11.36	1936	-	N1 N2	PT	D 009	-
33150	L&NERly Crank Pin 40D	Full size elevation, section and plan of forgings Endorsed: also relates to other GNR and LNER engine classes	19.4.29	1929	-	N1 N2	PT	D 009	-

		My comment: Stores Ordering drawing Copy of Doncaster Dg No S-43-4							
33151	Axle No 16A-Leading & Trailing Coupled Axles N1 & N2	1/6 elevation, section and plan of forgings My comment: Stores Ordering drawing Copy of Doncaster Dg No 20-26N 27.5.20 My comment: Stores Ordering drawing	- .11.36	1936	-	N1 N2/1 N2/2	PT	D 044	-
33152	Straight Axle No 47-Pony Truck Axle for N1 & N2	2" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing Copy of Doncaster Dg No 25-38N 14.2.33	- .11.36	1936	-	N1 N2	PT	D 044	-
33153	Crank Axle No 21	3" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing Copy of Doncaster Dg No T.113N	24.11.36	1936	-	N1 N2/1 N2/2	PT	D 012	-
33154	C.S. Brake Shaft Bracket	6" to 1' elevation, section and plan of bracket Copy of Doncaster drawing, number not shown	-	1936	-	N1 N2	PT	D 035	-
33155	Helical Spring No 33	Full size elevation, section and plan of springs 17" long My comment: Stores Ordering drawing Copy of Doncaster Dg No 25-20N 4.6.24	- .11.35	1936?	-	N1 N2	PT	D 073	-
33156	Helical Spring No 119 for C.I. Metallic Packing 3 1/4" Rod	Full size elevation and plan of spring Copy of Doncaster Dg No MV-267-1-N 26.9.20	- .11.36	1936	-	A5 B16/2 C7/2 D49 J38 J39 K3 N2	PT	D 044	-
33157	Wrought Iron Levelling Pipes	1 1/2" to 1' details of pipes connecting side tanks beneath boiler Copy of Doncaster Dg No 550-2-Y 24.7.20	13.6.24	1924	-	N2	PT	D 016	-
33158	Helical Spring No 103, Valve Spindle Packing	Full size elevation and plan of spring Copy of Doncaster Dg No MV-157-2N 13.6.24	- .11.36	1936	-	N2	PT	D 044	-
33159	Helical Spring No 121, for Cylinder Relief Valve	Full size elevation and plan of spring Copy of Doncaster Dg No X-271-1N	- .11.36	1936	-	B17 J39 K3 N2 V2	PT	D 044	-
33160	No 1 Spiral Spring for Reverse Shaft	Full size elevation and plan of spring My comment: Stores Ordering drawing Copy of Doncaster Dg No K-133-N	- .11.38	1938	-	J50 J52 N1 V1 V3	PT	D 057	-
33161	Rocking Shaft N2	6" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing Copy of Doncaster Dg No K-209-1	- .11.36	1936	-	N2/1 N2/2	PT	D 053	-
33162	Reversing Shaft Pattern N2/1	6" to 1' elevation, section and plan of forgings My comment: Stores Ordering drawing	- .11.36	1936	-	N2/3 N2/4	PT	D 065	-

		Copy of Doncaster Dg No K-242-1N							
33163	3ft 2in Wheel Centre-Bogie Wheel Centre	3" to 1' elevation, section and plan of castings My comment: Stores Ordering drawing Copy of Doncaster Dg No T-80 N	- .11.36?	1936	-	N1 N2	PT	D 071	-
33164 Part	Steel Pony Truck Casting for 6 Coupled Side Tank Engines-Pattern No 40	3" to 1' elevation, section and plan of castings My comment: Stores Ordering drawing Copy of Doncaster Dg No U-115 N	- .11.36	1936	-	N1 N2 V1 V3	PT	D 080	-
33165	Steel Casting for Engine Buffers	Full size elevations, sections and plans of plunger, socket and base castings for N1, N2 Parts 1 & 2 Nos 892-897 My comment: Stores Ordering drawing Copy of Doncaster Dg No Yd-206-N	- .11.36	1936	-	N1 N2	PT	D 071	-
33166	Valve Spindle Cross Stay-Pattern No 26	6" to 1' elevation, section and plan of casting Endorsed ; refer Dg No 60K	- .11.36	1936	-	N1 N2/1 N2/2	PT	D 053	-
33167	Cast Steel Footplate Bracket	3" to 1' elevation, section and plan of castings My comment: Stores Ordering drawing Copy of Doncaster Dg No Y-157N	- .11.36	1936	-	N1 N2	PT	D 071	-
33201	Engine Type J17 with Boiler to Dg No 29803-Boiler Steadying Bracket	Full size elevation, section and plan of bracket for 'D & J' boiler rebuild of J17 My comment: not done !	12.2.37	1937	-	J17	PT	D 083	-
33204	Blast Pipe for J17 with Boiler to Dg No 29803 Round Top	6" to 1' sections and plan of blast pipe Endorsed: for cap and blower ring see Dg No 31206 My comment: not done	- .4.37	1937	-	J17	PT	D 080	-
33205	Engine Type J17 Rebuilt with Standard 'D & J' Boiler-Steam Pipe Connection	6" to 1' elevation and section of steam pipe connection for 'D & J' boiler rebuild of J17 My comment: not done	16.4.37	1937	-	J17	PT	D 026	-
33208	Engine Type J17 Rebuilt with Standard 'D & J' Boiler-Steam Pipe Joints with Lenticular Shaped Rings	Full size elevation and section of joints My comment: not done	- .4.37	1937	-	J17	PT	D 026	-
33210	Balancing Wheels-Six Wheels Coupled Bogie Express Engines Class S69	22 diagrams of dimensions & calculations	12.6.11	1911	S69	B12	PT	D 090	-
33211	Balancing Wheels-Six Wheels Coupled Bogie Express Engines Class S69	18 diagrams of dimensions & calculations	- .1.13	1913	S69	B12	PT	D 090	-
33212	Re-Balancing Wheels-Six Wheels Coupled Bogie Express Engines Class S69	21 diagrams of dimensions & calculations	- .6.32	1932	-	B12	PT	D 090	-
33212 Att	Distribution of Engine Balance in Coupled Wheels-B12 Long Slot Motion Coupling Rod Opposite Crank	Unscaled diagram & calculations	- .11.36	1936	-	B12	PT	D 089	-
33214	Clip Spring for C.I. Metallic Packing	Full size elevation and plan of spring My comment: stores Ordering drawing Copy of Doncaster Dg No Mv 267-3N	20.10.36	1936	-	B13 B15 B16/2 C6 C7/2 D49 K3	PT	D 042	-

						Q6 V2 Etc			
33214	Clip Spring for C.I. Metallic Packing	Full size elevation and plan of spring My comment: Stores Ordering drawing Copy of Doncaster Dg No Mv 267-3N	24.11.36	1936	-	A4 N2	PT	D 042	-
33215	Driving Bearing Spring No 2 Helical	Full size elevation and plan of spring My comment: Stores Ordering drawing Copy of Doncaster Dg No 25-14N	29.10.36	1936	-	N2	PT	D 078	-
33215	Driving Bearing Spring No 2 Helical	Full size elevation and plan of spring Copy of Doncaster Dg No 25-14N	- .10.36	1936	-	-	PT	D 077	-
33217	M&NGRly 4-4-0 Engine No 026	1½ " to 1' sketch showing 4 patches on boiler barrel Endorsed ; boiler No 26	- .11.36	1936	-	MGN	PT	D 027	-
33218	D14 , D15 & D16 Frames Interposed to Illustrate Space available for Blow Off Cock & Mud-door on firebox Sides	1½ " to 1' details showing 3 positions for locos Nos 8880-8900, 8860-8879 & 8780-8859	- .3.36	1936	-	D14 D15 D16	PT	D 027	-
33219	Type D15 & D16 Engines Nos 8780-8859	1½ " to 1' diagram of proposed firebox giving increased grate area My comment: intended to replace boiler to Dg No 29803 to give 17.3 % increased but not done	- .4.36	1936	-	D15 D16	PT	D 027	-
33220	Type D15 & D16 Engines Nos 8780 – 8859	1½ " to 1' diagram of proposed firebox giving increased grate area with outline side elevation My comment: intended to replace boiler to Dg No 29803 to give 11.84 % increase but not done	- .5.36	1936	-	D15 D16	PT	D 027	-
33222	Sketch Showing Patch on Tubeplate	1½ " to 1' sketch of patch on M&GN No 026 4-4-0	- .11.36	1936	-	MGN	PT	D 053	-
33224	Sketch Showing Patches on Boiler Barrel	1½ " to 1' sketch of patches on M&GN No 078 4-4-0, boiler new 6.16	- .11.36	1936	-	MGN	PT	D 053	-
33225	Sketch Showing Patches on Back & Throat Plates	1½ " to 1' sketch of patches on M&GN No No 078 4-4-0	- .11.36	1936	-	MGN	PT	D 076	-
33226	Sketch Showing Welding on Bottom of Barrel and on Angle Ring	1½ " to 1' & full size sketch of welding on M&GN No 069, boiler new 1.28	- .11.36	1936	-	MGN	PT	D 052	-
33227	M&GNRly Boiler No 93 Sketch Showing Patches on Back & Throat Plates	1½ " to 1' sketch of external patches at bottom on M&GN No 93	- .11.36	1936	-	MGN	PT	D 075	-
33228	Sketches Showing Patch on Tubeplate & Grooving	1½ " to 1' sketch of patch and grooving on M&GN No 045	- .11.36	1936	-	MGN	PT	D 076	-
33229	Sketches Showing Grooving on Tubeplate	1½ " to 1' sketch of grooving on M&GN No 068 Endorsed: grooving ⅝" wide x ⅜" deep bottom half	- .11.36	1936	-	MGN	PT	D 076	-
33230	Dirt Trap for Ejector Steam Supply Pipe	1½ " to 1' and full size details of trap Endorsed: all Clayton rail coaches to be fitted 8.4.31 Copy of Darlington Dg No 14357-D 24.12.30	- .4.31	1931	-	Clayton	PT	D 039	-
33231	Arrangement & Details of Additional Mud-door on Both Sides of Boiler to Dg No 29803	1½ " to 1' arrangement and 6" to 1' details of mud door on firebox side near cab Endorsed ; marked also for J17/2 (J17 rebuild with Dg No 29803 boiler not done )	- .11.36	1936	-	D16/3 J19/2	PT	D 070	-

33232	M&GN 4-4-0 No 023-Sketch Showing Patches on Boiler Barrel	1 1/2" to 1' details of inside and outside patches and grooving outside patch area in barrel - 3/8" deep in 1/2" plate My comment ; No 023 withdrawn February 1937	- .12.36	1936	-	MGN A	PT	D 065	-
33234	M&GNRly 0-6-0 No 087-Sketch Showing Patches on Boiler Barrel	1 1/2" to 1' details of outside patch	- .12.36	1936	-	MGN	PT	D 066	-
33235	M&GNRly 4-4-0 No 027-Sketch Showing Patches on Boiler Barrel	1 1/2" to 1' details of inside and outside patches	- .12.36	1936	-	MGN	PT	D 014	-
33236	M&GNRly 0-6-0 No 093-Sketch Showing External Patch on Bottom of Boiler Barrel	1 1/2" to 1' details of patch	- .12.36	1936	-	MGN	PT	D 066	-
33237	M&GNRly 4-4-0 No 04-Sketch Showing Patch on Boiler Barrel	1 1/2" to 1' details of patch	- .12.36	1936	-	D53	PT	D 065	-
33244	M&GNRly 0-6-0 No 082-Sketch Showing Patches on Boiler Barrel	1 1/2" to 1' details of external patches on barrel including one patch on top of another Endorsed: boiler new 1921	- .12.36	1936	-	J4	PT	D 043	-
33245	M&GNRly 0-6-0 No 089-Sketch Showing Patch on Boiler Barrel	1 1/2" to 1' details of 1/2" thick patch 6' 6 3/8" x 2' 10 3/8" on underside of barrel	- .12.36	1936	-	MGN	PT	D 080	-
33246	M&GNRly 0-6-0 No 090-Sketch Showing Patches on Boiler Barrel	1 1/2" to 1' details of one external patch 3/8" thick 6' 0 7/8" x 2' 9 3/4" on underside of barrel	- .12.36	1936	-	MGN	PT	D 080	-
33247	M&GNRly No 065-Sketch Showing External Patch on bottom of Boiler Barrel	1 1/2" to 1' details of patch	- .12.36	1936	-	MGN	PT	D 059	-
33248	M&GNRly 0-6-0 No 084-Sketch Showing Patches on Boiler Barrel	1 1/2" to 1' details of large external patch and internal patch Endorsed: boiler new 12.24	- .12.36	1936	-	J4	PT	D 044	-
33249	M&GNRly No 037-Sketch Showing Patch on Boiler Barrel	1 1/2" to 1' details of patch Endorsed: boiler new 4.24	- .12.36	1936	-	MGN	PT	D 059	-
33265	M&GNRly No 018-Sketch Showing Patch on Boiler Barrel	1 1/2" to 1' details of patch Endorsed: boiler new 4.23	- .12.36	1936	-	MGN	PT	D 053	-
33335 Att	Distance Piece-T. A.B Piston Valve	Full size details of piece	- .12.37	1937	-	N2	PT	D 069	-
33337 Att	Cylinder & Steam Chest Covers	6" to 1' details of covers Endorsed ; attached to copy of Doncaster Dg No M-64N	- .12.50	1950	-	J52 NI	PT	D 067	-
33348	Untitled	Full size arrangement and details of superheater elements, items 1 & 2 for N2 Copy of Doncaster Dg No N-708N	- .2.39	1939	-	N2	PT	D 012	-
33365 -I	M&GNRly No 57-Sketch Showing Wastage of Copper Strip Patch Fitted on Right Hand Side Flange of Backplate	1 1/2" to 1' details of repairs	- .12.36	1936	-	MGN	PT	D 053	-
33366 -I	M&GNRly No 57-Sketch Showing Positions of Bushes & Fractures in Copper Tubeplate	1 1/2" to 1' details of tubeplate My comment: all bridges between tubes in 2 <sup>ND</sup> row broken	- .12.36	1936	-	B12/3	PT	D 060	-
33367	Arrangement of Thermometer to Obtain Temperature of Exhaust Steam Injector Delivery to Boiler	1 1/2" to 1' and full size details of thermometer in delivery pipe near backhead clack Endorsed: see also ACFI trials August 1936; This follows Mr Silver's remarks re ACFI delivery references My comment: this is probably where they discovered an exhaust	- .12.36	1936	-	B12/3	PT	D 060	-

		steam injector is as good as the ACFI gear !							
33368	M&GNRly 4-4-0 No 075-Sketch Showing Patch on Boiler Barrel	1½ " to 1' detail of patch	- .12.36	1936	-	MGN	PT	D 053	-
33369	M&GNRly 4-4-0 No 075-Sketch Showing Patch on Tubeplate	1½ " to 1' details of patch	- .12.36	1936	-	MGN	PT	D 053	-
33370	M&GNRly 4-4-0 No 076-Sketch Showing External Patches on Bottom of Boiler Barrel	1½ " to 1' details of 3 Patches	- .1.37	1937	-	MGN	PT	D 064	-
33371	M&GNRly 4-4-0 No 025-Sketch Showing External Patches on Bottom of Boiler Barrel	1½ " to 1' details of 3 external Patches	- .1.37	1937	-	MGN	PT	D 064	-
33372	M&GNRly 0-6-0 No 062-Sketch Showing Patches on Bottom of Boiler Barrel	1½ " to 1' details of external and internal patches	- .1.37	1937	-	MGN	PT	D 064	-
33373	M&GNRly 4-4-0 No 013-Sketch Showing External Patch on Bottom of Boiler Barrel	1½ " to 1' details of patch	- .1.37	1937	-	MGN	PT	D 064	-
33374	Washout Plugs	Full size details of plugs Endorsed: made for Messrs R R Paton of Cardiff , re-sale of Engine No 7292	- .1.37	1937	-	J66	PT	D 038	-
33375	Piston Rings	6" to 1' details of rings Endorsed: drawing made for Messrs R R Paton of Cardiff , re-sale of Engine No 7292	- .1.37	1937	-	J66	PT	D 059	-
33376	M&GNRly 0-6-0 No 073-Sketch Showing Patch on Boiler Barrel	1½ " to 1' details of patch Endorsed ; boiler No 73	- .1.37	1937	-	MGN	PT	D 027	-
33377	M&GNRly 0-6-0 No 09-Sketch Showing External Patch on Bottom of Boiler Barrel	1½ " to 1' details of ¾" thick patch Endorsed: boiler new in 1927	- .1.37	1937	-	MGN	PT	D	-
33378	M&GNRly 0-6-0 No 081-Sketch Showing External Patches on Bottom of Boiler Barrel	1½ " to 1' details of patches	- .1.37	1937	-	MGN	PT	D 064	-
33379	Mud-Door Casing-Type D16 , J17 & J19 Engines with Boilers to Dg No 29803	Full size details of casing	27.1.37	1937	-	D16 J17 J19	PT	D 083	-
33380	N2 Type Engines-Reversing Screw & Nut-Steel	Full size details of three start Acme 1½ " pitch	- .1.37	1937	-	N2	TI	D 076	-
33384	M&GNRly 4-4-0 No 028-Sketch Showing External Patch on Bottom of Boiler Barrel	1½ " to 1' details of 3 long patches Endorsed ; boiler new in 1925	- .1.37	1937	-	MGN	PT	D 051	-
33385	Method of Showing the Open & Shut Position of the Cylinder Cock Lever	3" to 1' details of 4 different levers, with lettering to be painted on in ¾" white characters	- .1.37	1937	-	-	PT	D 065	-
33386	Engines Type B12-Sketch of Pipe Lead for Bogie Slide Lubrication	3" to 1' half plan and elevations of bogie slide and oilbox Endorsed: drawn from information & patterns received from Cambridge	- .1.37	1937	-	B12	PT	D 003	-
33387	Boiler Steadying Stay-Engines Type D16 with Standard 'D & J' Boiler	3" to 1' details of stay across frames Endorsed;; superseded by Dg No 36768	- .2.37	1937	-	D16/3	PT	D 072	-
33389	M&GNRly Engines Fitted with Steam Heating-Arrangement of Steam Heating Cock & Hose Connection	6" to 1' details of components	- .2.37	1937	-	MGN	PT	D 051	-
33392	M&GNRly Engines-Sketch showing Arrangement of Large Vacuum Ejector & Combined Blower & Small	1½" and 3" to 1' sketch showing arrangement My comment: view looking on backplate of boiler and at smokebox	- .2.37	1937	-	MGN	PT	D 026	-

	Ejector								
33393	M&GNRly 0-6-0 No 071-Sketch Showing External Patch on Boiler Barrel	1½ “ to 1’ details of patch 1’ 9” x 10¾”	- .2.37	1937	-	MGN	PT	D 026	-
33394	M&GNRly Engines-Adapter for Steam Heater Cock to use Standard L&NERly Steam Heater Coupling	Full size details of adapter made of bronze	12.2.37	1937	-	MGN	PT	D 026	-
33395	M&GNRly Boiler No 55 (G7 Type) Showing Steel Patches for Boiler Barrel	1½ “ to 1’ details of two plates 5’ 5¼ “ x 2’ 0” & 4’ 1” x 2’ 0”	- .2.37	1937	-	MGN	PT	D 026	-
33397	M&GNRly 4-4-0 No 038-Sketch Showing External Patch on Boiler Barrel	1½ “ to 1’ details of three plates 1’ 9” wide & 3’ 0”, 4’ 2¼ “ & 2’ 0¼ “ long	- .2.37	1937	-	MGN	PT	D 026	-
33398	M&GNRly 0-6-0 No 058-Sketch Showing External Patch on Boiler Barrel	1½ “ to 1’ details of 1’ 4½” x 9¾ “patch	- .2.37	1937	-	MGN	PT	D 026	-
33399	Rubber Pads for Whitakers Patent Tablet Exchange Apparatus	Full size details of 4 pads My comment: a consequence of taking over operation of M&GNRly?	18.2.37	1937	-	-	PT	D 026	-
33400	M&GNRly Engines fitted with G7 Class Boiler-Sets Copper Firebox Plates	1½ “ to 1’ details of tubeplate,, backplate & wrapper plate	23.2.37	1937	-	MGN	PT	D 028	-
33400 -1	M&GNRly Engines fitted with G6 Class Boiler-Sets Copper Firebox Plates	1½ “ to 1’ details of tubeplate, backplate & wrapper plate	25.2.37	1937	-	MGN	PT	D 028	-
33400 -2	M&GNRly Engines fitted with ‘B’ Class Boiler-Sets Copper Firebox Plates	1½ “ to 1’ details of tubeplate , backplate & wrapper plate	2.3.37	1937	-	MGN	PT	D 028	-
33400 -3	M&GNRly Shunting Tank Engines-Sets Copper Firebox Plates	1½ “ to 1’ details of tubeplate , backplate & wrapper plate	7.2.38	1938	-	MGN J93	PT	D 028	-
33402	M&GNRly Boiler No 18 ( LMS Rly Type ‘B’)	1½ “ to 1’ elevation and section of internal steel patches for boiler barrel My comments: probably for M&GNRly loco No 18	- .2.37	1937	-	MGN	PT	D 025	-
33403	Engine No 4742 Type N2-Boiler No 7592-Sketch Showing Repair to Tubeplate Angle Ring	3” to 1’ sketch showing repair on small section of ring	- .2.37	1937	-	N2	PT	D 028	-
33404	M&GNRly 0-6-0 No 060-Sketch Showing External Patch on Boiler Barrel	1½ “ to 1’ details of patch	- .3.37	1937	-	MGN	PT	D 025	-
33405	Sketch Showing Proposed Arrangement of Separate Blower Valve (GE Type)	1½ “ and 3” to 1’ details of ‘Worsdell’ pattern blower valve used with handle in cab Endorsed: separate blower ring to be fitted 24.1.42	- .3.37	1937	-	MGN	PT	D 078	-
33406	Union Nut for Tender Feed Pipe	Full size details for Group standard tenders 3¼ “ – 8TPI Copy of Doncaster Dg No J-485-5; supersedes Dg No J-485-2	- .1.37	1937	-	-	PT	D 060	-
33407	Union Nut for Tender Feed Pipe	Full size details for Group standard tenders 3 “ – 8TPI Copy of Doncaster Dg No J-485-7	- .2.37	1937	-	-	PT	D 060	-
33408	Alteration to Bogie Slide Lubrication	3 “ to 1’ and full size general details of arrangement	- .3.37	1937	-	B12	PT	D 008	-
33412	Engine No 8540 (Type B12)-Sketch showing Right Hand Piston & Rod after Failure	Full size elevation of piston rod and sectioned side elevation of piston	- .4.37	1937	-	B12	PT	D 003	-
33416	Steam Heating Details	Full size details of 6 clips for steam heating pipes	- .4.37	1937	-	MGN	PT	D 034	-
33416	Steam Heating Details for M&GNRly Engines	Full size details for Classes ‘C’ & ‘D’	12.6.37	1937	-	MGN	PT	D	-

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33416	Steam Heating Details for M&GNRly Engines	Full size details of clips, etc for class 'C' with G6 and G7 and "B" boilers; class 'D' with G7 & "B" boilers	- .5.37	1937	-	MGN	PT	D 058	-
33417	Alteration to Steam Heating Arrangement on M&GNRly 4-4-0 Engine & Tender	1½ " to 1' details of class 'C' with G7, G6 & "B" boilers shown on outline of engine with piping details, cab arrangements etc	- .5.37	1937	-	MGN	PT	D 044	-
33423	ACFI Feed Water Heater Apparatus on B12 (Round Top Boiler) Engines	1½ " to 1' diagrams of end views of possible arrangement of heater tanks and existing arrangement on B12 (Belpaire Boilers) & P2 engines My comment: consideration given to fitting B12/3 rebuilds with ACFI gear !	- .4.37	1937	-	B12/3 P2	PT	D 007	-
33424	Engines Type E4-Old & New Type Jockey Valves	Full size details of valves	7.5.37	1937	-	E4	PT	D 007	-
33425	Tyre of LNER Engine No 8067	Diagrammatic and full size diagram of tyre and point of fracture	11.5.37	1937	-	F3	PT	D 007	-
33426	M&GNRly Straight Axles-Locomotives ,Carriages & Wagons	1½ " to 1' details of axles for Engines classes 'A' , 'A' Tank , 'B' , 'C' , 'D' , 'Da' and shunting engines Copy of MGN Dg No 7/3624	11.5.37	1937	-	MGN	PT	D 007	-
33428	Big End Journals, Piston Rods, Coupling Rod Crank Pins & Valve Spindles	Unscaled details of new and minimum dimensions for GE & LPTB locomotive classes Endorsed: additions made up to April 1956	25.5.37	1937	-	-	PT	D 007	-
33429	Type B12 Engine on 6 Chain Curve (with 2½" side play in bogie and no side play in trailing coupled axlebox)	1½ " to 1' diagram of wheelbase on curve	- .5.37	1937	-	B12	PT	D 007	-
33430	Type B12 Engine on 6 Chain Curve (with 2" side play in bogie and ⅝" side play in trailing coupled axlebox)	1½ " to 1' diagram of wheelbase on curve, track 4' 8¾" gauge	- .5.37	1937	-	B12	PT	D 007	-
33431	Six Wheels Coupled Bogie Express Engines B12 , J20 , D16-Snifting Valve	Full size elevations and sections of valve	- .5.37	1937	-	B12 D16 J20	PT	D 090	-
33434	Axle Centre-Locomotives	Full size details of centre Endorsed: for carriage and wagon axle see Doncaster Dg No 28-34N Copy of Doncaster Dg No T-486	- .5.37	1937	-	-	PT	D 069	-
33435	Arrangement & Details of Nipples in steam Chest for Pipe to Change-over Valve	1½ " to 1' and full size details for B12/3 & D16/3 engines fitted with 'H' type exhaust injectors Endorsed: cancelled see Dg No 33521 for combined nipple & isolating cock	- .6.37	1937	-	B12/3 D16/3	PT	D 068	-
33436	Type B12 Engine on 6 Chain Curve (with 2½" side play in bogie and ⅝" side play in trailing coupled axlebox)	1½ " to 1' outline plan of wheelbase on curve Endorsed: no engines are at present so fitted 1.6.37	- .6.37	1937	-	B12	PT	D 058	-
33437	Proposed Tender Frontplate	1" to 1' elevation and plan of inclined plate on tender front, contoured to cab My comment: none fitted?	- .6.37	1937	-	B12/3	PT	D 058	-



33441	Firebox Arrangement for 'B' class Boiler	3" to 1' elevations, sections and plan of firebox Copy of MGN Dg No 30/2026	9.9.37	1937	-	MGN	PT	D 030	-
33442	Copper Firebox-Arrangement for M&GNRly Boiler-G6 Class Boiler	3" to 1' elevations, sections and plan of MR small Belpaire boiler	11.9.37	1937	-	MGN	PT	D 030	-
33443	Build Up Crank Axle No 53	3" to 1' elevation and section of axle Copy of Doncaster Dg No T-420N 3.33	- .6.37	1937	-	P2	PT	D 043	-
33444	Build Up Crank Axle No 51	3" to 1' elevation and section of axle Endorsed: superseded see drawing same number 12.7.28 Copy of Doncaster Dg No T-220-N 30.12.33	- .6.37	1937	-	A1 A3 A4 K3 K4 V2 W1	PT	D 043	-
33445	Engines Type B12 , F4 ,F7 & J69-Sketch Showing Arrangement of Firebrick Arch	1½ " and 3" to 1' diagram of firebox and table of dimensions for the various classes	- .6.37	1937	-	B12 F4 F7 J69	PT	D 090	-
33448	Diagram Showing the Expanding of Tubes in Locomotive Boiler	Full size sections and description Copy of Doncaster Dg No N-683 9.6.37	- .6.37	1937	-	-	PT	D 090	-
33452	Machining of Axlebox Faces	Full size details of all coupled axleboxes Copy of Doncaster Dg No V-357 4.6.37	11.6.37	1937	-	-	PT	D 089	-
33454	M&GNRly Boiler No 98-Shunting Tank Engines	1½ " to 1' details of internal patch on second section of barrel	8.7.37	1937	-	MGN	PT	D 025	-
33454 -1	M&GNRly Boiler No 11-(LMS Type 'B')	1½ " to 1' details of internal steel patches for boiler barrel	10.7.37	1937	-	MGN	PT	D 025	-
33454 -2	M&GNRly Boiler No 65-(LMS Type 'B')	1½ " to 1' details of internal steel patches for boiler barrel	16.7.37	1937	-	MGN	PT	D 025	-
33454 -3	M&GNRly boiler No 41-(LMS Type 'B')	1½ " to 1' details of internal steel patch for boiler barrel	10.8.37	1937	-	MGN	PT	D 025	-
33454 -4	M&GNRly Boiler No 13-(LMS Type 'B')	1½ " to 1' details of internal steel patches for boiler barrel	27.8.37	1937	-	MGN	PT	D 025	-
33454 -5	M&GNRly Boiler No 16-0-6-0 Shunting Tank Engine	1½ " to 1' details of internal steel patches for boiler barrel	3.3.38	1938	-	MGN	PT	D 025	-
33454 -6	Internal Steel Patches for Boiler Barrel-B12 Belpaire Boilers Nos 1291 & 3826	1½ " to 1' details of patches	- .5.38	1938	-	B12	PT	D 065	-
33454 -7	F6 Type Boiler No 2246-Patch for Flange of Throat Plate	1½ " to 1' details of external patches My comment: particulars taken for this drawing after patch was fitted during running repair	- .6.38	1938	-	F6	PT	D 076	-
33454 -9	Internal Steel Patch for Boiler Barrel-Boiler No D1530	1½ " to 1' details of patch on boiler	- .7.38	1938	-	J27	PT	D 068	-
33454 -10	Patch Round Rear Inspection Door (LH Side)-Boiler No D.1530	3" to 1' details of patch	- .7.38	1938	-	J27	PT	D 068	-
33454 -11	Internal Steel Patch for boiler Barrel-Boiler No 2028 (N7 Type)	1½ " to 1' details of patch	- .7.38	1938	-	N7	PT	D 068	-
33454	Internal Patch for Firebox Wrapper Plate-Boiler No	3" to 1' details of patch near safety valve seating	- .10.38	1938	-	J67	PT	D	-

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33454 -13	Patch on Firebox Wrapper Plate (RH Side)-Bolier No 4719 (B17)	3" to 1' details of patch	- .6.39	1939	-	B17	PT	D 062	-
33454 -13	Patch on Firebox Wrapper Plate (RH Side)-Boiler No 4719 (B17)	3" to 1' details of patch My comment: presumably revised from earlier (?) drawing; smaller patch	6.7.39	1939	-	B17	PT	D 062	-
33454 -14	Patch on Firebox Wrapper Plate (LH Side)-Bolier No 1953 (N7 RT Type)	3" to 1' details of patch, boiler cracked at inspection door opening	- .7.39	1939	=	N7	PT	D 054	-
33454 -15	Internal Steel Patches on Boiler Barrel-Boiler No 3062 (J69)	1½" to 1' details of patches	- .12.39	1939	-	J69	PT	D 068	-
33456 Amend	Armour Plate Glass for Cab Window (Front and Back)	3" to 1' -18 diagrams with dimensions of glass for GER classes	- .8.39	1939	-	-	PT	D 089	—
33456 Part 3	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for D15	- .9.40	1940	-	D15	PT	D 002	-
33456 Part 4	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for D13 and J19 Belpaire	- .9.40	1940	-	D13 J19	PT	D 002	-
33456 Part 5	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for J17	- .9.40	1940	-	J17	PT	D 002	-
33456 Part 6	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for N7 GE built-front	- .9.40	1940	-	N7	PT	D 002	-
33456 Part 7	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for F6, N7 (Gorton and GE)-all back	- .9.40	1940	-	F6 N7	PT	D 002	-
33456 Part 9	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for N7 Nos 8000-8001-front	- .9.40	1940	-	N7	PT	D 002	-
33456 Part 11	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for F7-front and back	- .9.40	1940	-	F7	PT	D 002	-
33456 Part 12	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for N7 (round top firebox)-front	- .9.40	1940	-	N7	PT	D 002	-
33456 Part 13	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for N7 (Beardmore and Stephenson)-front	- .9.40	1940	-	N7	PT	D 002	-
33456 Part 17	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for B12, D16 and J19 round top-front	- .9.40	1940	-	B12 D16 J19	PT	D 002	-
33456 Part ?	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for standard circular glass	- .9.40	1940	-	-	PT	D 002	-
33456 Part 1	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for B12 Belpaire	- .9.40	1940	-	B12	PT	D 002	-
33456 Part 2	Armour Plate Glass for Cab Windows	3" to 1' dimensions of glass for D16 Belpaire	- .9.40	1940	-	D16	PT	D 002	-
33459	N7 Class Engines-Proposed Plug Cocks for Injector Feed Pipes	1½" to 1' details of plug to be fitted to 15 engines	19.8.37	1937	-	N7	PT	D 002	-
33460	Engines Types D16 Part 3 and J20-Dome Covers	3"to 1' elevation, section and plan of cover	21.8.37	1937	-	D16/3 J20	PT	D 002	-
33465	Construction of Lower Half of super Sentinel Boiler	1½" an 3" to 1' outline of boiler and section through base	2.9.37	1937	-	Sentinel	TP	D	-

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33466	Tyre of Engines No 7641-Fracture	Full size sketch of fracture of inner edge of tyre of engine	- .9.37	1937	-	J15	PT	D 051	-
33467	Three Feed Oil Box (Reservoir Type)	Full size elevation, section and plan of oil box with shut off lever	- .10.37	1937	-	-	PT	D 058	-
33468	Locomotive Tyres (For Retopped Wheel Centres)	Full size details of tyres with different internal diameters to suit centres which have been turned down on outer diameter	- .9.37	1937	-	-	PT	D 066	-
33468	Locomotive Tyres (For Retopped Wheel Centres)	Details of tyres from 1' 115/8" to 7' 07/8" inside rolled diameter. Copy of Doncaster Dg No T-327-N	- .1.45	1945	-	-	PT	D 038	-
33469	Bronze Axlebox Pattern No. 48-Journals 9½" x 11"	Full size elevations and sections of pattern Copy of Doncaster Dg No U-358	- .8.37	1937	-	A1 A2 A3 A4 B17 D49 K2 K3 K4 W1.	PT	D 084	-
33470	Westinghouse Brake Couplings between Engine and Tender Type B12	Full size elevations and details of hoses and couplings	- .9.37	1937	-	B12	PT	D 003	-
33471	Crank Pins-Driving, Intermediate and Trailing	6" to 1' elevation and section of pins	- .9.37	1937	-	B12	PT	D 057	-
33472	Engine No 8404, Boiler No 1404-Proposed Fire Hole Ring for Sentinel Boiler	Full size end and section of fire hole ring	- .9.37	1937	-	Y1	T1	D 001	-
33473	Sketches Showing Cylinder Wall Thickness	3" to 1'-three sections with tables of dimensions for GE classes	- .9.37	1937	-	-	PT	D 090	-
33479	Standard Tyre Riveting	Full size section of tyre and detail of rivet. Copy of Doncaster Dg. No. T-479 7.5.37	11.5.37	1937	-	-	PT	D 090	-
33480	Cylinder Cock and Relief Valve	Full size details of cock and valve Endorsed: see Dg No 33480-3 for alteration to valve cover; supersedes Doncaster Dg No X-487 Copy of Doncaster Dg No X-637	13.9.37	1937	-	-	PT	D 008	-
33483	Sheave Cotters (Bright)-Cotters For Motion Detail	Diagram drawn as two sheets with diagrams and tables of dimensions	25.10.37	1937	-	-	PT	D 090	-
33483 Sheet 3	Black Cotters	Unscaled drawing of cotter accompanied by a table of dimensions for 22 different sized cotters.	26.10.37	1937	-	-	PT	D 025	-
33483	Position of Cotters and Types of Engines on Which They are Used.	Three tables covering GE classes	28.10.37	1937	-	-	PT	D 090	-
33484	Steel Forging for Foundation Rings	1½" to 1' elevation, section and plan of forgings Endorsed: for ring see Dg No 29657 My comment: Stores Ordering drawing	- .10.37	1937	-	B12/3	PT	D 072	-
33485	Regulator Shaft	Full size elevation and section of shaft Endorsed: see later drawing same number Copy of Doncaster Dg No W-575	- .11.37	1937	-	A1 A3 A4	PT	D 038	-

						B17 D49 J38 J39 K3, K4 P1 P2 V1 V2 W1			
33486	Copper Firebox Plates	Full size sketch elevations of tube plate, back plate and wrapper plate My comment: Stores ordering drawing	- .11.37	1937	-	LPTB H	PT	D 038	-
33486 -I	Copper Firebox Plates	Sketch elevations of tube plate, back plate and wrapper plate My comment: Stores ordering drawing	- .4.38	1938	-	LPTB K	PT	D 038	-
33487	Steel Patch Screws for Boilers	Full size details of screws Copy of Doncaster Dg No M0-339-N	- .11.37	1937	-	-	PT	D 051	-
33488	Proposed Connecting Rod Big End Oil Box	Full size details of separate oil box bolted to strap	- .12.37	1937	-	B12 J18 J19 J20	PT	D 068	-
33488	Proposed Connecting Rod Big End Oil Box	Full size details of separate oil box bolted to strap	- .11.37	1937	-	B12 J18 J19 J20	PT	D 068	-
33493	Dimensioned Valve Diagram for "Dee" Valve Engines	Details of 7 types of valve and table of dimensions against classes with drawing numbers for GE classes	- .3.33	1933	-	-	PT	D 075	-
33501	Back Cab Windows	3" to 1' and full scale details of window and outline of top of dab with position of windows	22.12.37	1937	-	F6 J68	PT	D 079	-
33503	Sketch Showing Arrangement of Firebrick Arch.	1½" and 3" to 1' firebrick details	- .1.38	1938	-	N7	PT	D 049	-
33504	Sketch Showing Erosion on Inside of Shell at Feed Delivery Hole	Full size sketch for Sentinel No 98	- .1.38	1938	-	Sentinel	PT	D 051	-
33507	Arrangement of Inspection Doors in Firebox Wrapper-B12 Type	1½" to 1' and full size details of inspection doors and cover to Dg No 31643	- .1.38	1938	-	LPTB G LPTB H	PT	D 051	-
33510	Throat and Back Plates	1½" to 1' elevations and plans of plates My comment: Stores ordering drawing	- .1.38	1938	-	LPTB G	PT	D 038	-
33513	Engines Type D16 with Boiler to Dg No 29803-E- Alteration to Cab	1½" to 1' elevations of upper part of cab and full size details of angle between cab side and roof.	1.5.38	1938	-	D16/3	PT	D 003	-
33514	Engines Type D14-16 (with Boiler to Dg No 29803-E0 and B12 5'6" Diameter Boiler-Grease Separator Brackets for Separators without Extended Flanges	3" to 1' elevation of brackets	- .1.38	1938	-	B12/3 D14 D15 D16	PT	D 004	-
33525	Piston Valve Bushes	6" to 1' and full size elevation and section of bushes for engine No	- .3.38	1938	-	M2	PT	D	-

		6154 (LPTB No 94)						058	
33529	Tank Engines Class Y4-Position of Driver's and Fireman's Seats	1 1/2" to 1' outline plan and part elevation of cab showing position of seats	- .3.38	1938	B74 B77	Y4	PT	D 001	-
33530	Automatic Shuttle Valve	Full size outline drawing showing seating dimension, contractor 1/32,, Gorton 3/32" Copy of Doncaster Dg No M0487.N	3.3.38	1938	-	-	TI	D 087	-
33532	Sketch of Nut for Mechanical Lubricator Drive Pin	Full size sketch of pin	- .3.38	1938	-	-	PT	D 057	-
33533	Proposed Locomotive Head Lamp	Full size elevations, sections and plan of bulls eye lamp. 4" dia., 1 1/4" projection at 2 5/16" radius	- .3.38	1938	-	-	PT	D 030	-
33534	Alteration to Large Air Clack Valve-Gresham and Craven Ejector	Full size details of alteration to thicken guide ribs	- .11.34	1934	-	-	PT	D 057	-
33537	Black Cotters-Southern, North Eastern and Scottish Areas	Unscaled tables showing 68 parallel cotters, 7 taper and 1 plain taper giving positions and engine types Copy of Doncaster Dg Nos 37-110; 37-111 and 37-112	- .4.38	1938	-	-	PT	D 062	-
33538	Bright Cotters-Southern, North Eastern and Scottish Areas	Unscaled tables of 41 cotters for all motion work and 1 taper Copy of Doncaster Dg Nos 37-101 and 37-102	- .4.38	1938	-	-	PT	D 062	-
33540	Rearrangement of Tubes in Smokebox and Firebox Tubeplates	3" to 1' elevation of tubeplates-219 tubes 1 3/4" outside diameter	- .4.38	1938	-	E4 F3 J15	PT	D 058	-
33552	Arrangement of Proposed Spring on Whistle Spindle	Full size elevation only Endorsed: for whistle and valve spindle see Dg No 5935	- .6.38	1938	-	-	PT	D 057	-
33556	Cab Windows	Full size elevations and plans of windows Copy of Doncaster Dg No C-72	- .6.38	1938	-	A4	PT	D 039	-
33559	M&GN Engines-Armour Plate Glass for Cab Windows	3" to 1' elevations of glass for classes A-rebuilt; C-type B boiler; D type B boiler; C type G6 boiler; A type G7 boiler; D type G7 boiler and D type rebuilt G7 boiler	- .7.38	1938	-	MGN	PT	D 039	-
33567	Steel Oilbox on Crosshead for Small End Lubrication	Full size details of oilbx Endorsed: for crosshead see Doncaster Dg No L-107	- .1.37	1937	-	A4	PT	D 038	-
33568	Oil boxes on Crossheads for Small End Lubrication	Full size details of oilboxes My comment: part of drawing cut off Copy of Doncaster Dg No H-30	- .1.38	1938	-	A4	PT	D 038	-
33569 -I	Cast Steel Engine Bogie Centre	3" to 1' plan and elevations Copied from Doncaster Dg No 0-297	- .8.38	1938	-	B12	PT	D 004	-
33570	Oil Resisting Hose	Full size details of hose for lubrication Copy of Doncaster Dg No H-5-44	- .7.38	1938	-	B16/2 B17 C1 J39 K4 N2	PT	D 067	-
33571	M&GN Engines-8mm Combination Injector	Full size arrangement of injector	16.8.38	1938	-	M&GN	PT	D 058	-
33571 -I	M&GN engines-8mm Combination Injector	Full size arrangement of injector. Copy of Dg No 33571 marked with items 1-17 Endorsed: this drawing to be used for identification purposes only	-	1938	-	M&GN	PT	D 058	-

33602 Att	Proposed Alteration to Coupling Rod Bush	Full size section through bushes My comment: alterations not clear	- .11.41	1941	-	H2	TI	D 071	-
33654 Att	Leading and Trailing Crank Pin	Full size details of pin and collar	- .10.39	1939	-	M2	PT	D 071	-
33731	Buffing Springs	Full size elevation and section of volute type spring	- .1.35	1935	-	M2 H2	PT	D 071	-
34196	Brake Pull Rods	Full size elevation and plan of rods Copy of Met Ry Dg No D.7529	- .5.23	1923	-	M2	PT	D 048	-
34206	Untitled (Welding Symbols)	Diagram showing weld symbols for various types of weld Copy of RCH Dg No 2760	4.2.52	1952	-	-	TI	D 068	-
34226	Water Carrier	Diagram of old tender, probably S23 type, for water	- .9.38	1938	S23	-	PT	D 051	-
34235	Regulator Bottom Pipe and Link for Boilers to Dg No 29803 ('D' and 'J') with 5½" Regulator	Full size elevations of regulator bottom pipe and link Endorsed: altered 3.10.56	- .10.38	1938	-	D16/3 J19	PT	D 004	-
34236	Piston with Rings 3/8" Wide and Piston Rod	Full size plan and section Endorsed: altered 10.9.40, 11.5.48 and 29.6.51; see Dg No 37306 for Maddison packing 9.51	- .10.38	1938	-	N7	PT	D 035	-
34238	M&GN engines	Table showing schedule of new and scrapping dimensions for various engine components for Classes A, C and D, tank A and shunting tank Endorsed: altered 12.40	21.10.38	1938	-	MGN	PT	D 025	-
34239	Armour Plate Glass for Gauge Glass Protectors	Full size elevation and section of glass	- .10.38	1938	-	-	PT	D 051	-
34241	Brass Details-Engines Type G5 Fitted with Auto Train Gear	Full size details of brass components	- .10.38	1938	-	G5	PT	D 047	-
34242	Engines Type G5 Fitted with Auto Train Gear-Details of Forged Work	6" to 1' and full scale details of components for ex-NER locos fitted with GE type compressed air push and pull gear	- .10.38	1938	-	G5	PT	D 023	-
34243	Driving Hornblock and Hornstay-Engines Type B12	6" to 1' details of hornblock, hornstay and wedge	4.11.38	1938	-	B12	PT	D 011	-
34243 -I	Driving Hornblock (Cast Steel)-Engines Type B12	6" to 1' elevation, section and plan of hornblock casting My comment: Stores Ordering drawing	8.11.38	1938	-	B12	PT	D 011	-
34244	Engine 6520 Class 04-Broken Tender axle-Broken at Broxbourne Sidings 22.10.38	3" to 1' and full scale details of fracture showing crystalline centre area of axle broken near centre	10.11.38	1938	-	04	PT	D 044	-
34260	Types of Rivet Heads used at Stratford Works.	Full size details of rivets	- .11.38	1938	-	-	PT	D 045	-
34262 -I	Steel Forgings for Piston Rods	3" to 1' elevation, section and plan of forging My comment: Stores Ordering drawing	- .1.39	1939	-	B17	PT	D 077	-
34265	Union Joints for Pipes	3 diagrams of pipe joints with tables of dimensions to suit various sizes	- .11.38	1938	-	-	PT	D 013	-
34286	Machining of Axlebox Faces and Lubrication of Axlebox Slides	Full size details of machining for coupled axleboxes Endorsed: altered 13.3.39 Copy of Doncaster Dg No U-357	4.6.37	1937	-	-	PT	D 013	-
34290	Engines Type N2-Cast Iron Bush for Cylinder Barrel	3" to 1' and full size details of bush	- .12.38	1938	-	N2	PT	D 013	-

34295	Power Outputs of German O3 Class Pacific Locomotives	Three diagrams copied from Modern Transport dated 17 December 1938 showing power outputs for standard, semi-streamlined and fully streamlined engines. Streamlining alleged to give 48% increase in DBHP at 87 mph.	17.12.38	1938	-	-	PT	D 027	-
34304	Engines Type N7-Cast Iron Bush for Cylinder Barrel	3" to 1' and full size details of force fit bush, 17¾" internal diameter	- .1.39	1939	-	N7	PT	D 012	-
34305	Diagram Showing Weights, etc. of Engines J39 Pt 2 and K3 Pt 2	Unscaled diagram prepared for Ransome and Rapier in connection with Ipswich wheel drop	12.1.39	1939	-	J39 K3	PT	D 053	-
34306	Anti-Glare Screens between Engine and Tender	1½" to 1' elevation and plan of screens bolted to roof end. Quantity ordered 19 for E4 class, 137 for J15 and 70 for B12	- .1.39	1939	-	B12 E4 J15	PT	D 075	-
34307	Automatic Steam Brake Valve	Full size elevations, sections and plan of Gresham and Craven pattern valve operated by vacuum train pipe Copy of Gresham & Craven Dg No 10014/28/A Copy of Doncaster Dg No J-352N	- .12.31	1931	-	-	PT	D 064	-
34307	Automatic Steam Brake Valve	Full size elevations, sections and plan of Gresham and Craven pattern valve operated by vacuum train pipe Copy of Gresham & Craven Dg No 10014/28/A Copy of Doncaster Dg No J-352N	- .1.39	1939	-	-	PT	D 045	-
34308	Anti-Glare Screens between Engine and Tender	1½" to 1' elevation and plan of screens attached to cab roof and secured to tender by 5/8" rubber cords	- .1.39	1939	-	B12 D15 D16 J17 J19 J20	PT	D 040	-
34309	Copper Firebox Plates	Unscaled elevations of tube, back and wrapper plates My comment: Stores Ordering drawing	21.1.39	1939	-	N1 N2	PT	D 045	-
34309 -1	Copper Firebox Plates	1½" to 1' elevations of half tube plate My comment: Stores Ordering drawing	- .1.39	1939	-	N1 N2	PT	D 039	-
34311	Engines Type B17-Superheater Steel Smoke Tubes with Screwed End	Full size sectioned elevation of tube, 5¼" outside diameter with alternative dimensions for tubes reduced to 4 3/8", 4½" and 4 9/16" diameter at firebox tubeplate	1.2.39	1939	-	B17	PT	D 003	-
34358	Piston and Piston Rod-Engines Classes D15,D16,D16/3 with slide valves and J17	Full size elevations and details of piston/piston rod assembly	23.2.39	1939	-	D15 D16 D16/3 J17	PT	D 004	-
34359	Sketch Showing Method of Securing Tyres to Cast Iron Wheels	Full size sketch showing 3'6" diameter coupled wheels with 6 rivets through tyre for M&GN 0-6-0T	- .2.39	1939	-	MGN	PT	D 051	-
34360	Brake Hanger to Suit LNER Standard Brake Block	Full size elevation and plan of hanger	- .2.39	1939	-	L2	PT	D 038	
34387	Deflector Plate	6" to 1' elevation and plan of plate for B17 engines with sliding firehole doors	- .3.39	1939	-	B17	PT	D 051	-
34406	Anti-Glare Screens between Engine and Tender	¾" to 1' elevation and plan of canvas screens for blackout My comment: note date-April 1939; was this a government order? Or did the LNER know something the Government didn't!	- .4.39	1939	-	-	PT	D 058	-

34406 -I	Anti-Glare Screens between Engine and Tender	¾" to 1' elevation and plan of canvas screens for blackout	- .6.39	1939	-	D13 D15	PT	D 057	-
34406 -Att	Modified Side Screens	1½" to 1' elevation and plan of canvas screen for blackout	- .8.41	1941	-	J15 E4	PT	D 075	-
34406 -Part	Sketch Showing Alteration to Back Screens	1½" to 1' details of alteration to canvas screens	- .6.43	1943	-	B12 D15 D16 J15 J17 J19 J20	TI	D 040	-
34415 -Amend	Anti-Glare Screens for Tank Engines	1" and 1½" to 1' elevations and plans of screens for cab sides and ends	- .4.39	1939	L77  C32 M15 M15R G69 Y65 E22 T18 R24 R24R S56 B74 B77 C72	N7 N1 N2 F3 F4 F5 F6 F7 J65 J66 J67 J69  Y4  J68	PT	D 035	-
34424	Anti-Glare Screens for LPTB Engines	1½" to 1' elevation and plan of screens for blackout; 6 for class L.2; 4 for M.2 and 8 for H2	- .5.39	1939	-	H2 L2 M2	PT	D 043	-
34434	Vacuum Exhaust Elbow on Smokebox	Full size details of elbow	- .5.39	1939	-	N7/1 N7/2 N7/3	PT	D 036	-
34455 Part	Hooks for M&GN Glare Screens	Full size details made from No 7 Gauge galvanised iron wire	-	-	-	-	PT	D 025	-
34455 Amend	Anti-Glare Screens for M&GN Engines	¾" to 1' elevation and plan of canvas screens for blackout comprising back, top, bottom and side for class C and D,, shunting tank, class A and A tank	- .6.39	1939	-	MGN	PT	D 060	-
34460	Engines Class J17, J19/2 and J20-Alteration to Lubrication of Leading Axleboxes	3" to 1' and 6" to 1' details of oil feed box and fittings Endorsed: see Dg No 10461 for three feed oil box; notes on J19/2 & J20 added 24.9.41; all J17 engines to be fitted 7.8.40	- .5.39	1939	-	J17 J19/2 J20	PT	D 013	-
34460 Att	Oilbox Brackets for Leading Axleboxes: J17 Class, J19/2 and J20	6" to 1' details of brackets and oilbox	- .8.40	1940	-	J17 J19/2 J20	PT	D 013	-
34468	Sketch Showing Comparisons of Corners of Piston	Unscaled table of dimensions for 11 classes and sketch of corner of	- .6.39	1939	-	A1	PT	D	-



	Valve Heads (with Ring Control)	valve				A3 B12 B17 D16/3 J39 N2 N7 V1		068	
34478	Sketch Showing Proposed Rearrangement of Tubes in Smokebox & Firebox Tubeplates	3" to 1' sketch elevation of tubeplate with 21 1 1/8" diameter tubes Endorsed: one engine to be fitted 16.11.39	- .7.39	1939	-	F4 F5 F6	PT	D 050	-
34481	Rearrangement of Stays on Lower Portion of Wrapper Plate	3" to 1' details of rearrangement Endorsed: superseded by later tracing same number 12.41	- .7.39	1939	-	F4 F5 F6	PT	D 050	-
34481 Amend	Rearrangement of Stays on Lower Portion of Wrapper Plate	3" to 1' details of re arrangement Endorsed: for other dimensions see Dg No 17601; supersedes previous drawing same number	- .12.41	1941	-	F4 F5 F6	PT	D 050	-
34486	Engines Type D15-Cast Iron Bush for Cylinder Barrel	Full size elevation, section and plan of bush showing cylinder barrel and position of piston Endorsed: see Dg No 34358 for other piston dimensions	28.6.39	1939	-	D15	PT	D 028	-
34491	Nickel Chrome Rods	Unscaled chart showing numbers of rods of 7 types in various stages of making, complete and on engines	4.7.39	1939	-	B17	PT	D 057	-
34498	Drain for Water from Axlebox Keeps (Axleboxes with Worsteds Trimmings)	Full size elevations of axlebox keep, showing drain hole and cover	- .7.39	1939	S69	B12	PT	D 034	-
34503	Spanner Small End Lubricator Top	Full size details of 3/4" open end spanner	- .7.39	1939	-	-	PT	D 034	-
34504	Additional Stiffening Plates to Trailing Buffer Beam	1 1/2" to 1' details of plates	- .7.39	1939	-	M2	PT	D 057	-
34518	Standard Washout Plug	Full size details of plugs of 6 diameters-1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2" Endorsed: Copy of Doncaster Dg No N-833N 28.5.35	- .8.39	1939	-	-	PT	D 053	-
34525	Crosshead Arm	Full size elevation and plan of arm showing attachment to crosshead by 2 bolts with feathers plus castle nuts. Locking plate between nuts, secured with sq. body stud riveted over in crosshead, nut and split pin; finally arm welded to crosshead	- .8.39	1939	-	N7	PT	D 054	-
34533 Att	Details of Valve & Pistons for Vacuum Controlled Regulator	Full size details for auto fitted engines	- .6.50	1950	-	F5 N7	PT	D 052	-
34533 Part	Sketch Showing Method of Lubricating Intermediate Regulator Valve	Full size details for engine types N7 and F5 auto-fitted	- .6.51	1951	-	F5 N7	TI	D 084	-
34533 Part	Sketch Showing Method of Lubricating Intermediate Regulator Valve	Full size details for engine types N7 and F5 auto-fitted	- .6.51	1951	-	F5 N7	PL	D 084	-
34544	F4 Engines Fitted for Push Pull Working-Branch for Smokebox Steam Pipes to Cylinders	Full size elevation and section of branch Endorsed: marked in pencil 'not required'	30.11.39	1939	-	F4	PT	D 016	-
34545	F4 Engines Fitted for Push Pull Working-Steam Pipe Elbow on Smokebox Tubeplate	Full size elevation and plan of elbow Endorsed: marked in pencil 'not required'	- .10.39	1939	-	F4	PT	D 016	-

34546	Details of Steam Pipe Joints in Smokebox	Full size details of 4 components for engines fitted with vacuum controlled regulator. Endorsed: altered 9.52	4.2.49	1949	-	F5	PT	D 016	-
34547	Details of Brackets, Clips, Pipe Joints, etc	6" to 1' and full size details of 13 components Endorsed: see Dg No 34527 for further details, unions, etc; see Dg No 34547 Att. for regulator lever and vacuum cylinder, piston & connecting rods	12.7.49	1949	-	F5	PT	D 016	-
34547 Att	Regulator Lever and Vacuum Cylinder Piston and Connecting Rods	Full size details of 3 components for F5 engines fitted with Vacuum regulator	11.8.49	1949	-	F5	PT	D 016	-
34549	Vacuum Cylinder for Engines Fitted with Vacuum Controlled Regulators	Full size details of operating cylinder for regulator items A-N; diaphragm type bolted to footplate Endorsed: for diaphragm see Dg No 34549-Part. Traced from LM&SR Dg No D37-14863	- .11.50	1950	-	N7	PT	D 087	-
34549 Part	Diaphragm for Vacuum Cylinder	6" to 1' details of 1'-0 3/4" dia rubber diaphragm Endorsed: see Dg No 34549 for vacuum cylinder	- .11.50	1950	-	-	PT	D 058	-
34551	Tyre of LNER Engine No. 8085 Broken as Shown at AB	Unscaled sketch of driving wheel 5' 5 1/4" dia on tread	- .9.39	1939	-	F3	PT	D 077	-
34560	Adaptor for 2 1/2" Ross Pop Valves	Full size details of valve	- .9.39	1939	-	H2 M2	PT	D 077	-
34567	D16 with Slide Valve Cylinders-Piston & Front Cylinder Cover	Full size elevation of cover	- .9.39	1939	-	D16	PT	D 063	-
34576	Sentinel Engines Type Y3-Anti-Glare Cowl for Chimney	1 1/2" and 6" to 1' elevation and plan of cowl made of steel plate and cast iron	- .11.39	1939	-	Y3	PT	D 002	-
34579	M&GN Engines class C with B and G6 boilers and Class D with B Boilers-Adaptor for N7 Type Combined Steam and Delivery Valve	Full size details of two varieties of adaptor Endorsed: see Dg No 26245 for combined steam & delivery valve for N7	20.11.39	1939	-	MGN	PT	D 003	-
34594	Boiler No 232 (Engine Type Y5)-Patch on Outside of Barrel at Front End	3" to 1' elevation and section of patch	- .3.40	1940	-	Y5	PT	D 014	-
34594	Boiler No D2101 Engine type J39-Patch on RH side of Wrapper Plate	3" to 1' elevation and section of patch	12.11.45	1945	-	J39	PT	D 014	-
34594 -1	Boiler No 3304 (E4 type)-Patch on RH side of Wrapper Plate	3" to 1' elevation and section of patch	- .5.41	1941	-	E4	PT	D 014	-
34594 -2	Boiler No 1961 N7 RT Type-Patch on RH side of Wrapper Plate	3" to 1' elevation and section of patch	27.2.42	1942	-	N7	PT	D 014	-
34594 -3	Boiler No 4221 D16/3 RT-Patch on RH side of Wrapper Plate	3" to 1' elevation and section of patch	19.6.45	1945	-	D16/3	PT	D 014	-
34594 -5	Engine Type WD 2-8-0 Engine No 90384 Boiler No 20195-Proposed Patch at Throat Plate Joint (LH Side)	Full size elevation of patch	-	1945	-	WD 2-8-0	PT	D 014	-
34594 -6	Internal Patch on RH Side of Firebox Wrapper Plate-Boiler No 10170 (Engine Type WD 2-8-0)	6" to 1' elevation and section of patch	15.8.50	1950	-	WD 2-8-0	PT	D 014	-
34594 -7	Internal Patch for Boiler Barrel-Boiler No 20178	1 1/2" to 1' elevation of patch 3/8" plate	- .8.50	1950	-	WD 2-8-0	TI	D 071	-
34594 -8	Internal Patch on RH Side of Barrel-Plate at Junction of Throat Plate and Barrel Plate-Eng Type WD 2-8-0	6" to 1' elevation and section of patch My comment: drawn by John Gardner of GERS	- .11.50	1950	-	WD 2-8-0	PT	D 014	-

	Boiler No 20234								
34594-9	Boiler No 9492 Engine Type N1-Patch on RH Side of Wrapper Plate	3" to 1' plan and section of patch	25.1.51	1951	-	N1	PT	D 014	-
34608	Alterations Required to Backplate, etc & Vacuum Ejector Bracket	1½" and 3" to 1' details of alterations for N7 (GE built) engines fitted with round top boilers showing position of RH drive fittings	- .1.40	1940	-	N7	PT	D 053	-
34634	Table Showing the Dimensions of Piston Rods	Unscaled tables of dimensions & drawing numbers on 3 diagrams: B12, B12/3 Dg No 27703 B17 Dg No 34262 D15/16 Dg No 34358 D16/3 8" Dg No 30224 D16/3 9½" Dg No 31536 D16/3 SV Dg No 34358 E4 Dg No 14993 J15 Dg No 14993 J17 Dg No 34358 J19/2, J20 Dg No 17229 J27 Dg No 28485 J39 Dg No 26100 M2 Dg No 33613 L2 Dg No 34151 H2 Dg No 33604 F3 Dg No 14993 F4 Dg No 14993 F5/F6 Dg No 14993 F7 Dg No 16652 J65 Dg No 7711 J66-69 Dg No 7127 J70 Dg No 11684 N7/1 Dg No 19226 N7/2 Dg No 34236 N7/3 Dg No 26859 Y4 Dg No 18502 N1 Dg No 33334 N2 Dg No 35323 N2/4 Dg No 33079	- .2.40	1940	-	-	PT	D 076	-
34636	Adaptor for N7 Type Combined Steam & Delivery Valve	Full size sectioned elevation of adaptor for N7 and M&GN Class D with B boiler Endorsed: see Dg No 26245 for N7 combined steam & delivery valve; Dg No 34579 for adaptor for RH side	- .3.40	1940	-	N7 M&GN Class D	PT	D 033	-
34637	Table Showing Dimensions of Gudgeon Pins for Crossheads	Unscaled table listing drawing numbers, dimensions etc	- .3.40	1940	-	-	PT	D 075	-
34638	Table Showing Dimensions of Side Rod Pins	Unscaled sketches and tables of dimensions for horizontal and vertical pins	- .3.40	1940	-	B12 B17 J15 J27	PT	D 075	-

						J39 M2 L2 N7 N1 N2			
34647	Proposed Alteration to Bogie Frame Stay	3" to 1' details of alteration to make centre ribs deeper	- .4.40	1940	-	B17	PT	D 059	-
34656	Oil Cup Cover	Full size details of cover in bronze for coupling rods, connecting rods, eccentric straps, combination levers Endorsed: altered 11.4.49 to steel stamping Copy of Doncaster Dg No H5-110	- .4.40	1940	-	-	PT	D 077	-
34657	Oil Cup Covers for Crossheads	Full size details of cover in bronze Endorsed: altered to steel 11.4.49 Copy of Doncaster Dg No H5-111	- .4.40	1940	-	-	PT	D 077	-
34658	Nipple and Pin Trimmings for Connecting and Coupling Rods and Crossheads	Full and twice full size details of components	- .4.40	1940	-	-	PT	D 077	-
34662	Blower Details	Full size details of handles and levers	- .4.41	1941	-	-	PT	D 074	-
34671 Sheet 1	Sets of steel boiler tees	Unscaled sketches of tees My comment: Stores Ordering drawing	24.5.40	1940	-	B12 J20	PT	D 043	-
34671 Sheet 2	Sets of steel boiler plates	Unscaled sketches of plates My comment: Stores Ordering drawing	24.5.40	1940	-				
34673	Sketch Showing Side Clearances of E4 Type Engines Leading Axle	3" to 1' sketch showing ½" clearance each side of outside box., total sideplay 1"	- .5.40	1940	-	E4	PT	D 053	-
34674 Att	Make Up Plate Below Cab Doors	6" to 1' details of plate for armoured F4	3.6.40	1940	-	F4	PT	D 043	-
34675	F4 Engines with Armoured Cab Door for Back Window	Full size details of small 6" square opening in ½"	- .6.40	1940	-	F4	TP	D 078	-
34676	Additional Stiffening Plates to Outside Framing	1½" to 1' details of plates for F4 with armoured cab	- .6.40	1940	-	F4	PT	D 043	-
34677	Sliding Door for Opening in Cab Front Plate	Full size elevation and sections for armoured engines	- .6.40	1940	M15	F4	PT	D 022	-
34678	F4 Engines with Armoured Cab Sliding Door for Cab Side Opening	6" to 1' details of door made of ½" plate	- .6.40	1940	-	F4	PT	D 078	-
34678	Pipes from W.H. Brake Drivers Valve Substitution of Copper in Place of Iron	3" to 1' details of pipes My comment: appears to be for B12/ or D16/3 engine	3.6.40	1940	-	-	TP	D 039	-
34679	Axlebox Dust Shield	Full size details of rubber composition shield for 3500 and 4200 gallon Group standard tender Copy of Darlington Dg No U-420-1	10.5.40	1940	-	-	PT	D 078	-
34683	M&GN Engines Class C-Bogie Side Control Spring	Full size elevation and plan of spiral spring 8½" long by 5½" dia	- .6.40	1940	-	MGN	PT	D 017	-
34685	Whistle Springs	Full size details of three coil springs with 7, 9 and 11 coils Endorsed: for arrangement of spring on spindle see Dg No 33552	- .6.40	1940	-	-	PT	D 077	-

34686	Engines Type F4-Details of Protection for Clackbox and Westinghouse Pump	1½" to 1' details of casing made from 3/8" plate for use on armoured train engines	- .6.40	1940	-	F4	PT	D 017	-
34688	Engines Type F4-Position of Drivers Valve Bracket and Ejector Steam Cock Stand	1½" to 1' part inside elevation of cab and boiler Endorsed: see Dg No 13750 for valve seating My comment: presumed prepared for armoured engines	- .7.40	1940	M15	F4	PT	D 017	-
34761	Proposed Alteration to Steam Heating Pipe and Bracket on Main Reservoir	3" to 1' details of alteration for B17 class Westinghouse piped tenders Endorsed: altered 15.1.41 My comment: copy tracing	- .8.40	1940	-	B17	PT	D 052	-
34761	Proposed Alteration to Steam Heating Pipe and Bracket on Main Reservoir	3" to 1' details of alteration for B17 class Westinghouse piped tenders	- .8.40	1940	-	B17	PT	D 052	-
34770	Section of Big End Straps for Connecting Rods Showing Diameter of Bolt Holes when New and Maximum Diameter under Bolt Heads Allowed before being Scrapped	3" to 1'- 10 sections with tables of dimensions for GE classes	- .8.40	1940	-	-	PT	D 090	-
34780	Protection Plate for Steel Steam Pipe	3" to 1' and full size details of split 'sleeve' at joint of steel pipe and cast elbow	- .10.40	1940	-	B12/3	PT	D 063	-
34784 Amend	Modified Side Screens	1½" to 1' elevation and plan of anti-glare 'blackout' screens made from tarpaulin	- .11.40	1940	-	B12/1 B12/3 D16/2 D16/3 J19/2 J20 J17 D15/2	PT	D 080	-
34785	Firebars	3" to 1' elevations and plans of inner and outer bars Endorsed: see later tracing same number	- .10.40	1940	-	D13 D15 D16 J17 J19	PT	D 080	-
34785	Firebars	3" to 1' elevations and plans of two types of bars, outer and inner and table of dimensions Endorsed: classes D13/D15 deleted My comment: drawn FHK; traced by MB(Sgt), a RE Sgt seconded to the DO during the war; retraced from drawing dated 10.40	- .7.44	1944	-	D13 D15 D16 J17 J19	PT	D 080	-
34786	Minimum Sizes of Wheel Centres-Alteration to Rivet Holes	Full size details of alteration by moving rivet holes for type rivets towards centre to allow for truing up diameter of rod centres; old holes plugged and welded Copy of Doncaster Dg No 40-71	- .9.40	1940	-	-	PT	D 062	-
34787	Regulator Handle	Full size elevation and plan of handle similar type to D16/3 with boiler to Dg No 29803 My comment: was this ever done?	- .11.40	1940	-	D15 D16/2	PT	D 071	-
34788	Connecting Rod Big End Cotter and Locking Device	Full size details of serrated end to cotter with serrated stop plate and outline drawing of big end Endorsed: superseded by Dg No 39003 12.54	- .11.40	1940	-	B12/3 J19/2 J20	PT	D 071	-

34791	Armoured F4 Type Engines-Arrangement & Details of Feed Cocks & Connections to Armoured Tender	1 1/2" to 1' and 6" to 1' details of feed pipes from tender into bottom of F4 bunker tank	- .12.40	1940	-	F4	PT	D 069	-
34796	Alteration to Injector Caps for Decontamination of Gassed Trains-Also Adaptor to Suit General Service Coal Watering Hose	Full size details of 5 injector caps	- .12.40	1940	-	-	PT	D 069	-
34798	LPTB Engs. Type M2 & H2-Adapter for N7 type Combined Steam & Delivery Valve	Full size details of casting to adapt N7 type LH side injector steam/delivery backhead valve Endorsed: superseded by later tracing same number	- .12.40	1940	-	H2 M2	PT	D 052	-
34798	Adapter for Combined Steam & Delivery Valve	Full size details of adaptor Endorsed: using N7 valve Drg 26245	- .5.41	1941	-	H2 M2	PT	D 069	-
34799	Sketch Showing Drawgear between Armoured Engines and LMS Tenders	1 1/2" to 1' sketch of drawgear My comment: presumably for armoured F4 class	- .12.40	1940	-	F4	PT	D 069	-
34802	Axlebox Keeps	6" to 1' elevation of 12 types of keep	- .1.41	1941	-	B12 D15 F4 F6 J15 J17 J20	PT	D 086	-
34803	Springs for F4 Engines	1 1/2" to 1' elevations and plans of 5 springs shown in outline Leading Dg No 6079 Driving Dg No 7460 Intermediate Dg No 15029 Trailing Dg No 6008 Radial check Dg No 6081 My comment: prepared for WD for armoured engines?	- .1.41	1941	-	F4	P	D 077	-
34804	Diagram of Boiler Crown Stays	Unscaled drawing of Darlington made crown stays Nos 1-72 of three types	- .1.41	1941	-	-	PT	D 077	-
34804	Diagram of Boiler Crown Stays	Unscaled drawing of stay dimensions Endorsed: retraced from original copy, old tracing lost	- .1.41	1941	-	-	PT	D 059	-
34812	Alteration to Pin Trimming and White Metal in Connecting Rod Big End Brasses	Full size sectional elevation and plan of big end Endorsed: see Dg No 33620 for connecting rod; Dg No 34658 for nipple and pin trimming	- .2.41	1941	-	H2	PT	D 030	-
34818	Coupling Rod Bush Retaining Bolts	Full size scrap view of coupling rod bush and bolts and table of dimensions and references X-refs to drawings of coupling rod bolts as under: Dg Nos 27689 & 29583: S69 4-6-0 (B-12) Dg No 27365: D-15, D-16/3, D-16/2 4-4-0 Dg No 16332: T19R 4-4-0 (D-13) Dg No 25595: T26 2-4-0 (E-4), C32 2-4-2T (F-3) Dg No 26516: D81 0-6-0 (J-20) Dg No 25637: G58 0-6-0 (J-17), T77 0-6-0 (J-19) Dg No 6174: Y14 0-6-0 (J-15) Dg No 6249: M15 2-4-2T (F-4) M15R 2-4-2T (F-5) G69 2-4-2T (F-6)	- .2.41	1941	-	-	PT	D 023	-

		Dg No 16680: Y65 2-4-2T (F-7) Dg No 25675: E22, T18, R24, R24R, C72, S56 0-6-0T (J-65 – J-69) Dg Nos 26662 & 30979: L77 0-6-2T (N-7)							
34820	Alteration to Method of Lubrication of Axleboxes	Full size sectional elevations of axlebox crowns, right hand side shown), driving and trailing and leading axleboxes Endorsed: see Dg No 31210 for trailing axlebox; Dg No 31211 for driving axlebox; Dg No 31212 for leading axlebox	- .3.41	1941	-	J-17 J-19/2	PT	D 031	-
34822	Sketch Showing Position of Anti-Carboniser on Right Hand Side of Smokebox	1" to 1' outline sketch	- .3.41	1941	-	B-17	PT	D 036	-
34825	Blower Valve	Full size sectional arrangement of crank-operated blower valve for 7/8" inside diameter pipework, with alternative nipple for 5/8" pipework Endorsed: see Dg No 30645 for Air Ministry joints; Dg No 34662 for blower gear details	- .3.41	1941	-	-	PT	D 035	-
34830	Failure of Engine No 2549	Full size sketch of ejector body and lower air back pressure valve	4.7.39	1939	-	-	TP	D 025	-
34831	Set Screw and Split Pin for Locking Supplementary Steam Cone-Class F & H Exhaust Injectors Size 8-10	Full size sectional view of casting	27.3.41	1941	-	-	PT	D 030	-
34834	Details of Key and Key Way for Locomotive Crank and Straight Axles	6" to 1' details	- .4.41	1941	-	-	PT	D 028	-
34842	Engine Front Flap Hinge	Full size elevation and plan of hinge Endorsed: forging same as for tender flap plate	- .4.41	1941	-	-	PT	D 029	-
34844	Alteration to Boiler-Clackbox Engines used for Decontamination-Details of Additional Valve.	Full size details of valve Endorsed: see Dg No 6035 for clackbox; Dg No 28070 for turncock wheel My comment: valve enables clack to be shut off and that injector to supply hot water for other purposes?	- .5.41	1941	-	-	PT	D 028	-
34845	Alteration to Clackbox of Davies & Metcalfe and Gresham & Craven Injectors to Suit Decontamination Hose	Full size cross-section of clackbox and adaptors Endorsed: see Dg No 34795 for hose and cap	- .5.41	1941	-	-	PT	D 033	-
34846	B12 Type Engines-Proposed Locking Plate for Slide Bar Bolts	Full size details of plate made from 3/8" plate	- .5.41	1941	-	B12	PT	D 028	-
34847	Sieve for No 7 Mechanical Lubricator	Full size outline of lubricator and details of sieve of brass gauze 24 mesh	26.5.41	1941	-	-	PT	D 028	-
34848	Engines Class J70-Alterations to Brake Pins	Full size details of 4 types of pin Endorsed: altered 16.7.41	- .5.41	1941	-	J70	PT	D 028	-
34849	Leading Bogie Bearing Spring-L2 Class	Full size spiral spring, 5" dia. x 11 1/4" long, rectangular section My comment: for ex-Metropolitan Railway engines	- .12.41	1941	-	L2	PT	D 028	-
34855	Engines Type N7-Proposed Stiffening to Front Buffer Beam to Prevent Buckling of Flanged Plate	3" to 1' details of work	- .6.40	1940	-	N7	PT	D 015	-
34860	Internal Steam Pipe	3" to 1' and full size details of steam pipe Endorsed: length of bell-mouth and total length altered, 2.48 My comment: Stores ordering drawing	- .7.41	1941	-	N7	PT	D 035	-
34861	Boiler Nos. 1952 & 1961 (Diagram No. 101)-Sketch	3" to 1' three sketches showing four cracks	- .3.42	1942	-	N7	PT	D	-

	showing Cracks around Inspection Doors in Wrapper Plate							027	
34862	Superheater Steel Smoke Tube with Screwed End	Full size details of smoke tubes Endorsed: see later drawing, same number My comment: Stores ordering drawing	27.8.41	1941	-	B12 J20	PT	D 057	-
34862	Superheater Steel Smoke Tube with Screwed End	Full size details of smoke tubes to suit B12 and J20 round-topped boiler My comment: Stores ordering drawing	- .4.46	1946	-	B12 J20	PT	D 057	-
34864	Brake Block for 5'2½" Wheel	Full size elevations and plan of brake block Endorsed: copy of part of M&GNRy Dg No 98-4440, which was, in turn, a copy of a Midland Railway drawing My comment: to suit ex-M&GNRy locomotives	29.9.41	1941	-	-	PT	D 027	-
34866	Proposed Alteration to Ashpan	1½" to 1' section through ashpan. My comment: for ex-Metropolitan Railway locomotives, but alteration not clear My comment: paper tracing torn	- .10.41	1941	-	H2 M2	TP	D 071	-
34868	B12, D15 & I6, J17-20 Type Tenders-Steadying Clip for Hand Brake Column	3" to 1' details of brake column and 6" to 1' details of clip	13.10.41	1941	-	B12 D15 D16 J17 J18 J19 J20	PT	D 011	-
34869	Engs. Class Y4-Guard for L.H.S. Window	6" to 1' front and side elevations of coal guard My comment: for arrangement of cab, for B74 and B77 (Y4), see Dg No 18541	- .2.42	1942	B74 B77	Y4	PT	D 001	-
34871	Gauges for Testing No. 4 Drivers Valve	Full size arrangements of four gauges	10.11.41	1941	-	-	PT	D 089	-
34872	Patch for Frame-Eng. No 8866	3" to 1' details of large patch plate between driving and trailing wheels My comment: boiler to Dg No 29803; frame to Dg No 31127. 8" piston valve rebuild, engine was withdrawn in 1945, and was the first '1800' to be withdrawn	- .11.41	1941	-	D16/3	PT	D 043	-
34873	Method of Lubricating Axleboxes	1½" to 1' details showing frame outline	- .11.41	1941	-	J19/2	PT	D 051	-
34876	Adaptor for 3" (200 p.s.i.) Ross 'Pop' Valves	Full size details of double flanged steel adaptor	- .2.42	1942	-	L2	PT	D 059	-
34877	Sketch showing Proposed Additional Washout Plugs in Backplate and Barrel	1½" to 1' details of plugs for Belpaire boiler with oval firedoor	- .11.41	1941	-	N7	PT	D 051	-
34877 -1	Proposed Inspection Doors in Boiler Barrel	1½" to 1' elevation and section of proposed doors in Belpaire boiler	- .10.41	1941	-	N7	PT	D 051	-
34878	Alteration to Piston Rod Lubrication	Full size arrangement of gland, etc. Endorsed: alteration to MOP retaining cover 12.45 see Dg Nos 25047 and 24187	- .12.41	1941	-	B12 D15 D16 J17	PT	D 064	-



						J19 J20 N7			
34879	Arrangement of G.E. Type Injector Steam Cocks on Manifold	Full size elevation, section and plan of steam cock My comment: locomotive class formerly LPTB class 'K'	- .11.41	1941	-	L2	PT	D 051	-
34880	No 4 Westinghouse Driver's Valve-Gauging Ring to give Limit of Wear	Full size cross-sections of driver's valve, showing gauging ring inserted when valve is new, and when worn	- .12.41	1941	-	-	PT	D 036	-
34885	Position of Enginemen's Respirator Cases (Tool Boxes)	1½" to 1' elevations and plans of three sizes of engine toolbox and tender fronts, showing position of "tin" hats and respirator cases with 3" to 1' details My comment: for all ex-GERy tenders and B17 tender; duplicate copy master	- .12.41	1941	-	B17	PT	D 082	-
34885	G.E. Tender Engines-Position of Enginemen's Respirator Cases	1½" and 3" to 1' details showing position on tender, in toolboxes My comment: for all ex-GERy tender engines	- .12.41	1941	-	-	PT	D 071	-
34890	Position of Enginemen's Respirator Cases	3" to 1' elevation of inside of rear cab weatherboards, showing location of "tin" hats and respirator cases	- .1.42	1942	-	N7	PT	D 031	-
34890	Position of Enginemen's Respirator Cases	3" to 1' scrap view of rear weatherboard of cab, showing respirator case positions for all N7 sub classes My comment: duplicate copy master	- .1.42	1942	-	N7	PT	D 033	-
34891	Position of Enginemen's Respirator Cases	3" to 1' details showing position of cases for ex-M&GNRy tank engines, classes 'A' and shunting My comment: Ozalid tracing	- .1.42	1942	-	-	PT	D 075	-
34891	Position of Enginemen's Respirator Cases	3" to 1' details showing position of cases My comment: paper tracing, same as Ozalid tracing	- .1.42	1942	-	-	TP	D 075	-
34893	Modified Petticoat	3" to 1' elevation and plan of petticoat fabricated from mild steel My comment: for ex-LPTB locomotives	- .1.42	1942	-	H2 M2	PT	D 075	-
34894	Engines Type D16/3 (with Original S46 Frames)- Arrangement of Make-up and Stiffening Plate at Expansion Bracket	3" to 1' elevation and plan showing frame extended upwards by welding piece in, to convert shallow S46 frame to later, deeper, shape Endorsed: for expansion bracket, D15 and D16 type, see Dg No 30105	26.2.42	1942	-	D16/3	PT	D 027	-
34895	Engines Type J-65, 66, 67, 67/2, 68, 69 Position of Enginemen's Respirator Cases	3" to 1' details on four drawings showing position in cabs	- .1.42	1942	-	J65 J66 J67 J68 J69	PT	D 027	-
34895 Amend	Position of Enginemen's Respirator Cases	3" to 1' details of two cases per engine Endorsed: marked Ozalid Tracing, on tracing paper	- .1.42	1942	-	J65 J66 J67 J68 J69	TP	D 075	-
34896	Position of Enginemen's Respirator Cases	3" to 1' details of two cases per engine Endorsed: marked Ozalid Tracing ; see amended Dg No 34896	- .1.42	1942	-	F3 F4 F5 F6	TP	D 075	-

						F7			
34896	Position of Enginemen's Respirator Cases	3" to 1' details of two cases per engine My comment: Ozalid tracing	- .1.42	1942	-	F3 F4 F5 F6 F7	PT	D 075	-
34896 Amend	Engines Type F3, 4, 5, 6 and 7-Position of Enginemen's Respirator Cases	3" to 1' details of cases	- .10.42	1942	-	F3 F4 F5 F6 F7	PT	D 027	-
34897	Position of Enginemen's Respirator Cases	3" to 1' details of cases on tender My comment: for ex-M&GNRy tender engines	- .1.41	1941	-	-	PT	D 075	-
34897	M&GN Tender Engines-Position of Enginemen's Respirator Cases	3" to 1' details of two alternative fixings My comment: for ex-M&GNRy tender engines	20.1.42	1942	-	-	PT	D 029	-
34900	Deflector Plate for Firehole	3" to 1' elevation and plan of plate and 6" to 1' details	21.3.49	1949	-	J70	PT	D 083	-
34904	Arrangement & Detail of Seating to suit 2½" Ross 'Pop' Valves (for Existing Boilers)	3" to 1' arrangement and full size details of components	- .1.42	1942	-	F6 J68 J69	PT	D 048	-
34908	Rubber Schedule No. 100-Particulars of Items Nos. 101, 415/24, 431/10, as used on G.E. Section	6" to 1' details of bearing and buffing rubbers Endorsed: item 101: gasket for footplate reservoirs; item 415/24: carriage buffing gear; item 431/10: bearing spring for classes D15, D16, B12; item 431/10: bearing spring for classes B12, F3, J15, J17, J19, J20, J66-J69, N7	- .1.42	1942	-	B12 D15 D16 F3 J15 J17 J19 J20 J66 J67 J68 J69 N7	PT	D 046	-
34908 Part	Auxiliary Bearing Spring Rubber	Full size details of bearing rubber for spring hangers, 4" x 6¼"	- .2.43	1943	-	J15 J66 J67 J68 J69	PT	D 064	-
34909	M&GN Engines fitted with G.E. Type Blower Valve Arrangement of Blower Ring	Full size arrangement of blower ring for ex M&GN engines Endorsed: to be attached to M&GN shop copy Drg No 68; for arrangement of blower, see Dg No 33405	- .1.42	1942	-	-	PT	D 048	-
34913	Proposed Modification to White Metal of Driving Axleboxes	Full size details of modification providing for thinner white metal in pockets Endorsed: for axlebox, see Dg No 17216	- .2.42	1942	-	B12	PT	D 048	-
34913	Proposed Modification to Whitemetal	Full size details of driving axleboxes providing for smaller white	- .2.42	1942	-	J17	PT	D	-

-I		metal pockets				J19 N7		047	
34926	Asbestos Clothing	1½" to 1' elevations of clothing My comment: Stores ordering drawing; duplicate copy master	- .6.43	1943	-	J20/I	PT	D 033	-
34926 -I	Engines Type J20 with Boiler to Dg No 34700-E (N-1033)-Asbestos Millboard	1½" to 1' details of one set shown for cab end of boiler	24.6.43	1943	D81	J20	PT	D 030	-
34928	Main Steam Pipe-B12 & J20 Class Engines	3" to 1' details of solid drawn copper pipe, 7'5" long for round-topped boiler Endorsed: altered 29.1.44 Copy of Doncaster Dg No 44-7	24.1.44	1944	-	B12 J20	PT	D 030	-
34940	Modification to White Metal Pockets in Coupled Axleboxes (GE Type Engines)	Full size details of axleboxes providing for smaller white metal pockets Endorsed: cancelled; thickness of whitmetal pockets to be as shown on respective drawings, see 3/5654, dated 9.4.43; also for other unspecified ex-GERy locomotives	12.2.42	1942	-	J17 J19 N7	PT	D 015	-
34941	Modification to White Metal Pockets in Connecting Rod Big End Brasses	Full size details of pocket depth reduced to 3/16" for ex GE type engines Endorsed: cancelled; thickness of white metal pockets to be as shown on respective drawings, see 3/5654, 9.3.45	- .2.42	1942	-	-	PT	D 059	-
34943	Engines Type B12, D15 and D16-Modification to White Metal Pocket in Bogie Axleboxes	Full size scrap elevation of axlebox showing modifications to white metal pockets My comment: for bogie axlebox, for same classes, see Dg No 31342	- .2.42	1942	S69 D56 H88	B12 D15 D16	PT	D 003	-
34948	Engines Type B12, B17 and N7-Modification to White Metal in Coupled Axleboxes	Full size simple outline elevation of axlebox showing white metal pockets Endorsed: N7 deleted 24.11.42; drawing later cancelled (no date); B12 and B17 to revert to three pockets My comment: for future N7, refer to Dg Nos 35283 and 35284	- .2.42	1942	-	B12 B17 N7	PT	D 003	-
34954	Proposed Alteration to White Metalling of G.E.R. Type Crossheads	Full size details showing 1/16" of whitmetal on brass, instead of 3/16" on cast iron for ex GE type engines Endorsed: see later Dg No 35265'	- .2.42	1942	-	-	PT	D 065	-
34955	Identification Sketch of 3-Flow Wakefield Anticarboniser	Full size arrangement of component	4.3.42	1942	-	-	PT	D 089	-
34956	Oil Trials Engine 2640	Unscaled two graphs showing right-hand driving box temperatures  for four different oils: <ul style="list-style-type: none"><li>One graph – Liverpool Street – Cambridge and return</li><li>One graph – Liverpool Street – Witham and return</li></ul> Endorsed: maximum temperature 60°F above atmosphere	10.3.42	1942	-	-	PT	D 073	-
34959	M&GN Engines-Modification to Large Ejector Steam Cock & Seating to suit Distance Piece	Full size details of 5/8" distance piece  Copy of M&GNRy Dg No DG 544 Att	- .3.42	1942	-	-	PT	D 061	-

34970	Broken Crank Axle-Engine No. 8527	3" to 1' details of crank axle and full size elevations of fracture;  crank axle broken at Bethnal Green station, 23.3.42	10.4.42	1942	S69	B12	PT	D 085	-
34974	Standard Loco Fire Bars	Full size details of three fire bars  Copy of M&GN Ry Dg No 30/1266, dated 27.6.02	-	-	-	-	PT	D 089	-
34977	Arrangement of Firedoor, Brick Arch and Deflector Plate	1½" to 1' elevations and plan of components  Endorsed: for Belpaire boiler, see Dg No 24149; for firedoor, see  Dg No 11122; for GER deflector plate, see Dg No 17557	- .4.42	1942	-	N7	PT	D 039	-
34978	Identification Plates for Wakefield Mechanical Lubricators	6" to 1' and full size details of plate stamped "Axleboxes" or  "Cylinders"	- .4.42	1942	-	-	PT	D 065	-
35025	Seating Pad for Two 2½" Ross "Pop" Valves (for New Boilers)	Full size details of pad for valves at 8" centres	- .6.42	1942	-	F6 J69	PT	D 063	-
35026	Steel Boiler Angle Rings	1½" to 1' details of ring, 4'9" internal diameter  My comment: Stores ordering drawing	14.5.42	1942	-	J17	PT	D 034	-
35075	Engines Class O4-Scrapping Sizes	Unscaled table of new and scrapping sizes for journals, crank pins,  piston rod and spindle	- .5.42	1942		O4	PT	D 027	-
35121	Ejector Branch Flange	Full size details of bronze flange for left-hand ejector and ¾"  graduated steam brake valve	- .6.42	1942	-	J17	PT	D 064	-
35122	Arrangement & Details of Cylinders & Steam Chest Lubrication	6" to 1' arrangement of pipe, etc. on frame, under platform at  leading end and 6" to 1' details	- .6.42	1942	-	J17	PT	D 064	-
35123 Att	Tenders fitted with Whitaker's Tablet Exchange Apparatus-Pocket in Tank to clear Catcher Carrying Arm	1½" to 1' scrap elevations of tender front and catcher and full size  elevations of pockets	24.11.45	1945	-	B12/3 D16 J17	PT	D 003	-
35126	Eng Class N7-Scrapping Sizes	Unscaled schedule of different components  Endorsed: Information requested by Mr. Musgrave, 28.5.42; copied	17.6.42	1942	-	N7	PT	D 009	-

		from Dg Nos 33428 & 34770"							
35128	Proposed Arrangement of Snifting Valves for Eng. No. 6154 Class M2	3" to 1' side and end elevations of smokebox  Endorsed: not carried out, see Dg No 35136	22.6.42	1942	-	M2	PT	D 009	-
35128 Att	Eng. No. 6154 Class M2-Snifting Valve Adapter Casting	3" to 1' and full size details of castings  My comment: paper tracing apparently soaked in engine oil	- .7.42	1942	-	M2	PT	D 008	-
35129	(Drawing List)	List of drawings with Drawing Office store numbers 1-117 given  My comment: three sheets required for list, all with same drawing number for WD 2-8-0 locomotives	-	-	-	WD	PT	D 076	-
35130	Arrangement and Details of Pads for Group Standard Water Gauges	1½" to 1' arrangement of pads and full size details  Endorsed: for regulator handle, see Dg No 11098 Att.	29.6.42	1942	-	J17	PT	D 008	-
35131	Engs. Class N7-A.R.P. Screened Cab Roof-Ventilator	6" to 1' elevations and sections of ventilator  Endorsed: for cab roof and ventilator details, see Dg No 29938 and attachment	- .7.42	1942	-	N7	PT	D 027	-
35132	Parts of Engine which, with Allowance for Wear, may encroach on a Clearance of 6" Above Rail Level for 1'6" Each Side of Centre Line of Track	Unscaled table relating to ex-GERy classes, naming big ends, brakework, bogie and coupling clearances	- .7.42	1942	-	-	TI	D 027	-
35133	Engs. Type L2-Cast Iron Single Firebar	6" to 1' elevation and section of firebar  Copy of part of LPTB Dg No 20924	14.7.42	1942	-	L2	PT	D 027	-
35134	G.E. Type Tenders-Proposed Alteration to Auxiliary Spring Gear	Full size details for removal of rubber spring discs  Endorsed: GE type tenders for B17 engines not to be altered; for other details of spring gear, for small tenders see Dg No 7900, and for large tenders see Dg No 10863  My comment: proposal possibly due to wartime shortage of	22.7.42	1942	-	-	PT	D 027	-

		rubber, and probably not done							
35136	Snifting Valve Adaptor Casting	3" to 1' and full size details for engine No 6154, class M2  Endorsed: for snifting valves for class H2 see Dg No 34092	- .9.42	1942	-	M2	PT	D 058	-
35141	Engines Type N7 Long Valve Travel-Eccentric Sheave	3" to 1' and full size elevations and sections of eccentric sheave  My comment: for eccentric strap, see Dg No 26391	20.10.42	1942	-	N7	PT	D 027	-
35143 -1	Engines Type J20-Proposed Alteration to Leading Axlebox and Method of Lubrication	Full size elevation and section of alteration	- .8.42	1942	-	J20	TP	D 027	-
35143 -2	Engines Type J20-Proposed Alteration to Driving and Trailing Axleboxes and Method of Lubrication	Full size elevation and section of alteration	- .8.42	1942	-	J20	PT	D 027	-
35144	Engines Type D16-2-Proposed Re-arrangement of Pressure Gauges	1 1/2" to 1' and full size arrangement in cab	17.9.42	1942	-	D16/2	PT	D 027	-
35145	Engines Type D15-Proposed Re-arrangement of Pressure Gauges	1 1/2" to 1' and full size arrangement in cab	12.9.42	1942	D56	D15	PT	D 027	-
35146	Engines Type B12/3, D16/3-Modification to Cabside Beading and Handrail Columns	3" to 1' and full size details of components and side elevation of cabsides  Endorsed: to be worked to when standard beading is unobtainable  My comment: substitute for 'standard' beading, made from two pieces of 'half-round' flat	1.1.43	1943	-	B12/3 D16/3	PT	D 027	-
35147	List of Boiler Tube Diagram Numbers	Unscaled table, classes, boiler diagrams, tubes, etc.  My comment: for various classes and dated around 1943	28.8.42	1942	-	-	PT	D 074	-
35148	Engines Type H2 and M2-Alterations to Ashpan	3" to 1' arrangement of ashpan and 6" to 1' details  Endorsed: for ashpan dimensions see Dg No 33633; for details for M2 class see Dg No 33696; for details for H2 class, see Dg No 33807	-	-	-	H2 M2	PT	D 027	-
35151	Piston Valve Bushing	Full size details of bushing for cylinders to Dg No 35613 and with either short or long travel valves	- .2.44	1944	-	N7	PT	D 046	-

		Endorsed: for bushes for existing short travel cylinders, see amended Dg No 28375							
35153	Arrangement of Footplate Injector on LH Side	<p>1½" to 1' elevation and half-plan of left-hand side of cab, showing injector and pipework and 3" to 1' details of brackets and water cock handle for ex LPTB engines</p> <p>Endorsed: not checked; for steam and delivery valve adaptor see Dg No 34798; for double cone joints see Dg No 30644-I; for plug cock see Dg No 7904; for standard N7 combined steam and delivery valve see Dg No 26245; for water valve rod and handle, J15 type see Dg No 8779</p>	16.9.42	1942	-	M2	PT	D 085	-
35156	Safety Brackets for Tender Springs	<p>1½" to 1' and full size mild steel welded spring stop</p> <p>My comment: for ex-GERy tenders, but appears to have been fitted only to large tenders, and many of these did not have them</p>	- .1.43	1943	-	-	PT	D 032	-
35158	Adaptor for Front Cylinder Relief Valve	Full size details of component	- .10.42	1942	-	B12 D16/3 J19/2 J20 N7	PT	D 049	-
35264	Proposed Black-out Flap for Coal Hole	<p>3" to 1' and 6" to 1' details of flap</p> <p>Endorsed: see later drawing same number 12.42</p> <p>My comment: for ex-M&amp;GNRy tenders</p>	- .10.42	1942	-	-	PT	D 048	-
35264	Proposed Anti-glare Screen for Coal Gate	<p>3" to 1' and full size details of screen</p> <p>My comment: for ex-M&amp;GNRy tenders</p>	- .12.42	1942	-	-	PT	D 048	-
35265	Proposed Alteration to G.E.R. Type Crossheads (Without White Metal)	Full size details of solid brass bottom liner, brass liner screwed to top cover	- .10.42	1942	-	-	PT	D 065	-

		Endorsed: alteration not done							
35268	Proposed Method of Fastening Roof Screens to Tender, Substituting Springs for Rubber Cording	1½" to 1' and full size scrap end elevations of engine and tender showing fastenings	- .10.42	1942	-	B12 D15 D16 J15 J17 J19 J20	TP	D 082	-
35269	Proposed Modification to Roof Screens between Engine and Tender	1½" to 1' details of modifications to tarpaulin screens  My comment: not for original B12/2 engines	- .10.42	1942	-	B12 D15 D16 J15 J17 J19 J20	TP	D 033	-
35274	Method of Securing Back Screen on Tender	Unscaled drawing showing substitution of springs for rubber cording  My comment: excluding B12 class Nos. 8571 - 8580	- .12.42	1942	-	B12 D15 D16 J17 J19 J20	PT	D 082	-
35274 Amend	Proposed Method of Securing Back Screens to Tender Substituting Steel Springs for Rubber Cord	1" to 1' and full size details of anti-glare screens  My comment: also for ex-M&GNRy locomotives	-	1943	-	B12 B17 D13 D14 D15 D16 E4 J15 J17 J19 J20	PT	D 042	-
35274 Part	Hook & Steel Spring for Anti-glare Screens	Full size details of hook	- .3.43	1943	-	-	TP	D 043	-
35283 Amend	Modification to Crown of Axleboxes (Except Leading Axleboxes with Sideplay)	Full size details of oil groove across crown of axlebox	- .3.43	1943	-	J17 J19/2 N7	PT	D 058	-
35284 Amend	Modification to Crown of Leading Axleboxes with Side Play	Full size scrap section of axlebox crowns  Endorsed: oil groove added 6.45  My comment: for axlebox, N7, with split feed, see Dg No 32291;	- .3.43	1943	-	J17 J19/2 N7	PT	D 033	-



		for axlebox, N7, see Dg No 19253; for axlebox, J17 and J19/2, see Dg No 11262; for telescopic connection, see Dg No 32299; for modifications to leading, driving and trailing axleboxes (driving without sideplay), see Amended Dg No 35283							
35285	Steel Superheater Flue Tube-Hot Rolled & Butt Welded	Full size section of tube and table of dimensions	12.1.43	1943	-	B12/1 B12/3 B17 D15 D16/2 D16/3 J19/2 J20 N7	PT	D 090	-
35286	Tyre of LNER Engine No. 7506	1½" to 1' and full size elevations of tyre, 5'5¼" on tread, showing fracture and full size section	- .1.43	1943	-	J15	PT	D 035	-
35289	Proposed Re-arrangement of Pressure Gauges	1½" to 1' and full size outline of cab showing gauges, etc.	- .1.43	1943	-	N7/3	PT	D 049	-
35296	Re-arrangement of Pressure Gauges	1½" to 1' and full size details of gauges for Belpaire boiler with part arrangement of cab, showing new positions and details of mounting plates	- .1.44	1944	-	N7/1 N7/2	PT	D 063	-
35298	Proposed Re-arrangement of Pressure Gauges	1½" to 1' and full size details of gauges for round-topped boiler engines, with right-hand drive, showing part cab view and detail of gauge plates	- .1.44	1944	-	N7/4	PT	D 059	-
35313	Broken Crank Axle-Eng. No. 8567	3" to 1' and full size details of broken big end journal	- .2.43	1943	-	B12	PT	D 048	-
35321	Steel Forgings for Foundation Rings	1½" to 1' elevation and plan of forging My comment: Stores ordering drawing	- .3.43	1943	-	J17	PT	D 048	-
35325	Alteration Required to G.S. Drawhook to Suit Steel Spring to Drg 35324	Full size side elevation of drawhook, volute spring and securing nuts Endorsed: for drawhook, see Dg No 26000	6.7.48	1948	-	-	PT	D 087	-
35360	Sketch showing Proposed Method of Leading Water Gauge Column Drain Pipes into Ashpan	3" to 1' and full size sketch and detail of bronze fitting My comment: for ex-GERy type tender engines	- .3.43	1943	-	-	PT	D 077	-
35372	Steam Pipe Joints with Lenticular Shaped Rings	Full size detail of 3 different types of joints between pipes and cast iron flanges on cylinders, etc., using 'lens' rings for engines with slide	- .4.43	1943	-	D15 D16/2	PT	D 060	-

		valves				D16/3			
35375	Engs. Type N7/I with R.T. Boiler-Vacuum Ejector Bracket	1½" and 6" to 1' details of bracket for round-topped boiler and left-hand drive	- .5.43	1943	-	N7/I	PT	D 012	-
35376	Main Valve Bush for Westinghouse Air Compressor Top Head	Full size details of bush	17.5.43	1943	-	-	PT	D 025	-
35382	Buffer Casing	Full size elevations and section of casing for US Army Transportation Corps 2-8-0 locomotives, type S160	- .6.43	1943	-	S160	PT	D 039	-
35391	Food Box for R.H. Side of Tender	3" to 1' elevations and plan of food box, 1'9" x 1'3" x 1'2" high for US Army Transportation Corps 2-8-0 locomotives, type S160	- .8.43	1943	-	S160	PT	D 048	-
35399	Sketch showing Fractured Water Tube-Engine No. 2032	Unscaled sketch of firebox water tube fracture at tubeplate on US Army Transportation Corps 2-8-0 locomotive, type S160	- .10.43	1943	-	S160	PT	D 048	-
35400 Att	Sketch showing Alteration to Crosshead to Dg 34420 (L-133) to suit Double Taper Gudgeon Pin	Full size shows bush in one side of '3 bar' crosshead Endorsed: drawing cancelled, see Dg No 35634, dated 2.6.44. My comment: for details of gudgeon pin, for inside cylinder, see Dg No 35400 (copy of L-161); for outside cylinder, see Dg No 35411 (copy of L-162). Also for B3 rebuilt and O4 rebuilt engines Copy of Dg No L-161 (35400?), dated 19.6.43	23.6.43	1943	-	A1 A3 A4 B1 B16/2 B16/3 B17 D49 K3 K4 O2 V1 V2 V3 V4 W1	PT	D 080	-
35401	Steel Forgings for Brake Beams	3" to 1' elevations and section of forgings My comment: Stores ordering drawing	- .6.43	1943	-	-	PT	D 066	-
35402	Webs for Built Up Crank Axles	3" to 1' elevations and plan of forgings My comment: Stores ordering drawing Copy of Doncaster Dg No T-546-3, dated -.8.41	- .5.43	1943	-	A5 J38 J39	PT	D 067	-
35405	Details of Trailing Sandboxes & Sand Gear	6" to 1' and full size details of alteration of trailing sandboxes on J67 – J69 engines, from under footplate to inside cab Endorsed: for arrangement, see Dg No 29220 Att	17.11.44	1944	-	J67/1 J67/2 J68 J69	PT	D 061	-
35406	Modification to Buffer Beam	3" to 1' details of stiffening gussets behind buffer beam	- .7.43	1943	-	J17	PT	D 072	-
35408	Alteration to Fastening of Front End of Slidebars	Full size details of locking plate for bolts Endorsed: this tracing cancels previous paper tracing same number 7.43; for back cover, see Dg No 2769E; for slide bar, see Dg No 27670	- .4.45	1945	-	B12 B12/3 J19/2 J20	PT	D 072	-
35409	Straight Axle	3" to 1' elevations of axle My comment: Stores ordering drawing Copy of Doncaster Dg No T-485-10	- .10.37	1937	-	J38 J39	PT	D 051	-

35410	Modified Buffer Beam	3" to 1' details of buffer beam, 1 1/4" thick, with extra stiffening for all N7 sub-classes	- .6.44	1944	-	N7	PT	D 046	-
35419	Sketch showing Typical Locomotive Details to be Slot-Drilled	3" and 6" to 1' details of connecting rod strap and crosshead	- .10.43	1943	-	-	PT	D 051	-
35422	Sketch showing Profile of Tyres-Eng. No. 1772	Full size sketch of profile. Distance between tyres, 'back to back' shown varying between 4'5 11/32" and 4'5 31/64", giving a variation of 19/64" My comment: for US Army Transportation Corps 2-8-0 locomotive, type S160	- .11.43	1943	-	S160	PT	D 038	-
35427	Sketch showing Position of Crack in Firebox-Engine No. 2097	1 1/2" to 1' and full size details of crack in tubeplate, 1 1/2" long My comment: US Army Transportation Corps 2-8-0 locomotive, type S160	- .11.43	1943	-	S160	PT	D 038	-
35430	Boiler, Details and Attachments-Stay Bolt Material – Water Space	Unscaled table of quantities and dimensions My comment: for US Army Transportation Corps 2-8-0 locomotives, type S160 Copy of Alco Dg No S 448230, dated 6.42; traced from a photostat supplied by Doncaster	- .11.43	1943	-	S160	PT	D 038	-
35431	Sketch showing Position of Crack in Firebox-Eng. No. 2274	1 1/2" to 1' and full size details of crack in tubeplate, 6 1/4" long My comment: US Army Transportation Corps 2-8-0 locomotive, type S160	- .12.43	1943	-	S160	PT	D 038	-
35433	Collapse of Crown of Firebox-Eng. No. 2363, Boiler No. 69620	1 1/2" to 1' elevation and four sections detailing complete collapse of crown sheet My comment: explosion occurred at Bury St. Edmunds on 12.1.44 to US Army Transportation Corps 2-8-0 locomotive, type S160	21.1.44	1944	-	S160	PT	D 038	-
35437	Collapse of Firebox Crown on Boiler of USA Engine No. 2403	1 1/2" to 1' details of crown Copy of GWRy Dg No 120311, loaned by Ministry of Works	- .1.44	1944	-	S160	PT	D 037	-
35456 Part	Sketch of Fusible Plugs for Austerity 2-8-0 Engines	Full size details of fusible plug with lead filling, Nos. 1 – 4 (1 1/8" – 1 5/16")	- .4.46	1946	-	WD	PT	D 011	-
35485	Arrangement and Details of Coal Watering Cock in Cab	3" to 1' arrangement and full size details of GERy-type coal watering cock Endorsed: for group standard hose and coupling, see Dg No 33048; for adaptor to suit hose and coupling, see Dg No 34796	25.10.45	1945	-	J17 J20	PT	D 014	-
35486 Part	Valve Events-B1 & B2 Class	Unscaled table of valve events Copy of part of Doncaster Dg No 42-114	-	1943	-	B1 B2	PT	D 039	-
35498	Ventilator and Anti-glare Screen for Cab Roof	6" to 1' sections and plans of screen and full size details Endorsed: see Dg No 18541 and Attachments for cab roof	30.12.43	1943	B74 B77	Y4	PT	D 005	-
35499	Smokebox Tubeplate Protection Plate	3" to 1' details of cast iron plate	- .12.43	1943	-	B12 J20	PT	D 066	-
35500	Piston Rod Nuts	Full size details of three sizes of octagon nut for all ex-GERy class locomotives	- .12.43	1943	-	-	PT	D 054	-
35501	Adaptor Seating to suit Group Standard Combined Steam and Delivery Valve to Dg J-399	Full size details of bronze adaptor Endorsed: for group standard valve, see Dg No 33557 (J-399); for sealing pads for round-topped boilers, see Dg No 35502	- .1.44	1944	-	N7/1 N7/2	PT	D 060	-
35502	Seating Pad for Group Standard Combined Steam and Delivery Valve to Drg No J-399	Full size details of pads on boiler Endorsed: for group standard valve, see Dg No 33557 (J-399); for	- .1.44	1944	-	N7/3 N7/4	PT	D 060	-

		adaptor seating, see Dg No 35501							
35506	Proposed Drain Pipes for Driving & Trailing Axleboxes and Leading Axleboxes without Side Control	Full size arrangement of pipes My comment: possibly for draining water out of top of axlebox My comment: tracing torn	31.1.44	1944	-	N7	TP	D 052	-
35507	Sketch showing Proposed Position of Fireman's Seat	1½" to 1' outline of left-hand side of cab, sandbox, etc with tip-up seat fixed to sandbox Endorsed: for fireman's seat, see Dg No 32417	- .2.44	1944	-	F4 F5 F6	PT	D 046	-
35508	Arrangement of G.W.R. Vacuum Controlled Valve on Engines Type B12/3	1½" to 1' arrangement and 6" to 1' details of valve Endorsed: for valve, see GWRy Dg No 91258; for details of unions, etc, see Dg No 35509 My comment: purpose not stated; appears to operate Westinghouse brake from vacuum train brake	4.2.44	1944	-	B12/3	PT	D 054	-
35509	Details of Unions etc required for fitting of GWR Vacuum Controlled Valve	Full size details of components Endorsed: for details of valve, see GWRy Dg No 91258; for arrangement of valve, see Dg No 35508	4.2.44	1944	-	B12/3	TP	D 054	-
35536 Part	Cylinder Relief Valve Spring	Full size details of spring with 6 <sup>13/16</sup> " free length, and 2¼" dia. For WD engines Copy of part of Doncaster Dg No 39-1657	7.7.49	1949	-	WD	PT	D 025	-
35538	Fixing Bolt for Gusset Stay	Full size details and instructions on use of stays My comment: probably for WD 2-8-0 engines, and drawing dated around -.4.44 Copy of part of Vulcan Foundry Dg No 1/582, dated 27.4.44 F2306/43 Mod. F	27.7.49	1949	-	WD	PT	D 027	-
35563	Crown Stay Taps for U.S.A. Engines	Full size details of six taps for US Army Transportation Corps 2-8-0 locomotives, type S160	23.8.44	1944	-	S160	PT	D 025	-
35572	U.S.A. 2.8.0 Engines-Engine No 1707 Boiler No 64646	Full size sketch showing position of test valves relative to collecting trough for US Army Transportation Corps 2-8-0 locomotives, type S160	- .9.44	1944	-	S160	PT	D 027	-
35576	Release Valve Connection for Engs. fitted with S.J. Type Ejector	Full size section of connection Copy of Gresham & Craven Dg No 67/12417 M	10.11.50	1950	-	-	PT	D 089	-
35600 Att	Engs Type B12/3 fitted with Continuous Blowdown-Bracket for Oilbox on Backplate LH Side	6" to 1' elevations and plan of bracket	-	1944	-	B12/3	PT	D 054	-
35601	Proposed Arrangement of Blowdown	1½" to 1' details of blowdown valve mounted on backplate, apparently piped to tender Endorsed; for arrangement of blowdown pipe passing through tender tank, see Dg No 35813; for pipe clips, brackets, couplings, see Dg No 35814	- .3.44	1944	-	D16/3	PT	D 059	-
35602	Proposed Arrangement of Blowdown	1½" to 1' elevation of cab side and backplate showing position of blowdown valve and full size detail of flange Endorsed: for regulator handle see Dg No 34787; for double check valve and saddle connectors see Dg No 35608; for seating pad and pipe clips, see Dg No 35607; for blowdown valve, see Dg No 35806; for arrangement of blowdown pipe passing through tender tank, see Dg No 35813; for arrangement of pipe, clips, brackets & couplings, see Dg No 35814	- .3.44	1944	-	D16/2	PT	D 031	-

35603	Proposed Arrangement of Blowdown	1 1/2" to 1' scrap cab elevations and general assembly seating of blowdown valve My comment: redrawn for restoration of N7/4 No 69621, at East Anglian railway Museum, 3.86	- .4.44	1944	-	N7/3 N7/4	PT	D 033	-
35604	Proposed Arrangement of Blowdown	1 1/2" to 1' outline of cab showing blowdown valve on backhead, and full size details of piping Endorsed: for valve, see Doncaster Dg No J-579	- .4.44	1944	-	N7/1 N7/2	PT	D 054	-
35605	Proposed Arrangement of Blowdown	1 1/2" to 1' outline of cab side and backplate elevations showing blowdown valve and full size details of valve flange My comment: shows side elevation of M15/M15R (F4 and F5) class and end elevation, G69 (F6) class	- .4.44	1944	-	F4 F5 F6	PT	D 031	-
35607	Seating Pad & Pipe Clips for Blowdown Gear	Full size details of components Endorsed: for arrangement of blowdown on engines, see following drawings: Class B12/3 Dg No 35600 Class D16/2 Dg No 35602 Class D16/3 Dg No 35601 Class N7/1 and N7/2 Dg No 35604 Class N7/3 and N7/4 Dg No 35603 Class F4, F5 and F6 Dg No 35605 For other details, see Dg No 35608 and Dg No 35806	- .5.44	1944	-	B12/3 D16/2 D16/3 F4 F5 F6 N7/1 N7/2 N7/3 N7/4	PT	D 065	-
35608	Collector Pipe, Double Check Valve and Saddle Connections for Blowdown Gear	Full size details of three components to differing dimensions according to locomotive Endorsed: for arrangement of blowdown on engines, see following drawings: Class B12/3 Dg No 35600 Class D16/2 Dg No 35602 Class D16/3 Dg No 35601 Class N7/1 and N7/2 Dg No 35604 Class N7/3 and N7/4 Dg No 35603 For other details of blowdown gear, see Dg No 35607; for blowdown valve, see Dg No 35608; for standard pipe unions and adaptors, see Dg No 35519	10.5.44	1944	-	B12/3 D16/2 D16/3 N7/1 N7/2 N7/3 N7/4	PT	D 022	-
35625	Internal Steam Pipe	3" to 1' details of copper pipe 5 1/2" internal diameter My comment: Stores ordering drawing	- .5.44	1944	-	E4 F3 J15	PT	D 068	-
35626	Pad for Regulator Stuffing Box	Full size details of pad for use where existing seatings are badly worn	- .5.44	1944	-	E4 F3 J15	PT	D 074	-
35635	Injector Rod Handle	Full size elevations of handle Endorsed: for all ex-GERy engines; standard length is 6", but for F3 it is 9"	- .6.44	1944	-	-	PT	D 064	-

35638	Proposed Arrangement and Details of Coal Slacking Cock	1 1/2" to 1' arrangement shown in cab and 6" to 1' and full size details of fittings Endorsed; cock to Dg No 33048 My comment: possibly for B12 type locomotives	-	-	-	B12	PT	D 089	-
35674	M.O.S. Austerity Engine No 7342	Diagrammatic sketch showing position and method used in fitting incorrectly drilled stay hole in firebox wrapper plate showing firebox and holes for filling My comment: for WD 2-8-0 locomotives	- .10.44	1944	-	WD	PT	D 025	-
35679	Crown Stay Nut	Full size shows one nut for oversize stays My comment: for WD 2-8-0 locomotives; for stores ordering purposes, see Doncaster Dg No 42-529 Att	10.9.49	1949	-	WD	PT	D 027	-
35683	Boiler No 1959 (Diagram No 101)-Sketch showing Cracks around Inspection Doors in Wrapper Plate	3" to 1' sketches for either side of boiler built 5.40	27.8.44	1944	-	N7	PT	D 027	-
35683	Sketch showing Cracks round Inspection Door in Wrapper Plate	3" to 1' sketch of boiler No 1959, built 5.40 to boiler diagram 101	- .9.44	1944	-	-	PT	D 042	-
35684	Boilers Type B.18 and D.11-Sketch showing Position of Mud Doors in Corners of Throat and Back Plates	Full size sketch showing position of mud doors	- .10.44	1944	-	-	TP	D 090	-
35691	Boiler Type C.11 – Sketch showing Position of Mud Doors in Corners of Throat and Back Plates	Full size sketch showing position of doors	- .11.44	1944	-	-	TP	D 089	-
35696	Lubrication of Leading and Driving Axleboxes, Brackets to suit 3 Feed Oil Boxes to Dwg 28573	Full size elevations of bracket with oilbox shown ghosted	28.11.44	1944	-	J17 J19/2 J20	PT	D 004	-
35707	Arrangement of Whitaker's Tablet Exchange Apparatus	1 1/2" to 1' scrap elevations of cab, bunker and 6" to 1' details Endorsed; for slide, rod, handle and catcher carrying pin, see Dg No 16548; for tablet catcher, see Dg No 35031	10.7.46	1946	-	F3	PT	D 083	-
35716	Steel Boiler Tubes	6" to 1' elevation of tube My comment: Stores ordering drawing	4.1.45	1945	-	J15	PT	D 074	-
35719	Boiler No 1982 (Diagram 101)-Sketch showing Cracks round Inspection Door in Wrapper Plate	3" to 1' sketch of inspection door and cracks	- .2.45	1945	-	N7	PT	D 023	-

35800	Arrangement of Drop Grate and Firebars	3" to 1' scrap elevations and plan of firebox, section through grate Endorsed: for components see the following drawings: Dg Nos 30251, 35713 and 33030 for firebars Dg No 33506 for operating nut Dg No 35801 for bracket for operating nut Dg No 35698 for handle Dg No 35699 for rod and screw Dg No 35802 for lever, shaft and bracket Dg No 35706 for firebar carrier Dg No 35711 for spring Dg No 35704 for adjusting bolt Dg No 35803 for front/intermediate new firebar carriers & brackets Dg No 35746 for centre and back existing firebar carriers & brackets Dg No 34701 for firebox arrangement (Doncaster Dg No N-1035) Dg No 21957 Att for modification to cab Dg No 21969 Att for modification to arrangement of sand gear Dg No 21960 Att for modification to sand box, left hand trailing Dg No 17568 Att for modifications to sandgear details Dg No 23784 Att for arrangement and details of 6-feed Detroit Lubricator	- .11.45	1945	-	J20/1	PT	D 083	-
35801	Drop Grate Details-Bracket for Operating Screw	Full size details of bracket	- .11.45	1945	-	J20/1	PT	D 062	-
35802	Drop Grate Details-Lever, Shaft & Brackets	6" to 1' details of components Endorsed: for arrangement of drop grate, see Dg No 35800	- .11.45	1945	-	J20/1	PT	D 041	-
35803	Additional Firebar Carriers and Brackets	3" to 1' and 6" to 1' details of carrier and two brackets for engines with dropgrate Endorsed: for arrangement of drop grate and firebars see Dg No 35800; for existing carriers and brackets see Dg No 34746 (X-700)	23.11.48	1948	-	J20/1	PT	D 023	-
35808	Boiler No 1965 (Diagram No 101)-Sketch showing Cracks round Inspection Doors in Wrapper Plate	3" to 1' sketch showing position of cracks for boiler made 2.43	23.3.45	1945	-	-	PT	D 034	-
35813	Proposed Arrangement of Blowdown Passing Through Tender Tank	1½" to 1' outline side elevation of lower part of cab and tender showing pipe run Endorsed: for arrangement of blowdown on B12/3, see Dg No 35600; for D16/2, see Dg No 35602; for D16/3, see Dg No 35601	- .10.45	1945	-	B12/3 D16/2 D16/3	PT	D 089	-
35828	Boiler No 1979 (Diagram 101)-Sketch showing Crack round Inspection Door in Wrapper Plate	3" to 1' sketch of inspection door and cracks	- .4.45	1945	-	N7	PT	D 023	-
35835	Outline of Frame	1½" to 1' details of proposal to renew frames; profile modified to give extra depth between cylinders and driving wheel My comment: proposal not carried out	- .6.45	1945	-	B12	PT	D 070	-
35837	Sketch showing Deformation of Plate in Combustion Chamber-Eng. No 73775	1½" to 1' and full size details of plate deformed in an area over three stays in side My comment: Ministry of Supply (WD) 2-10-0 locomotive	3.8.45	1945	-	WD	PT	D 086	-
35839	Sketch showing Proposed Seating Pad for Superheater Header	Full size sketch of pad Endorsed: superseded, see later tracing, same number	- .8.45	1945	-	N7	PT	D 068	-

35839	Seating Pad for Superheater Header	Full size details of pad welded to boiler tubeplate	1.1.48	1948	-	D15/2 D16/3 J19/2 N7	PT	D 058	-
35839 Att	Seating Pad for Superheater Header	Full size elevation and section on boiler tubeplate for D16/3 and J19/2 engines with 6½" regulator	16.12.47	-	-	B12/3 D16/3 J19/2	PT	D 034	-
35920	Wakefield 3-Flow Sight Feed Lubricator-Combined Choke & Check Valve for Feed to W-H Pump	Full size elevation, section and plan of lubricator for Westinghouse pump	- .10.45	1945	-	-	PT	D 038	-
35924	Eng. No 8081-Type F3-Broken Leading Axle	3" to 1' elevation of wheels and axle and full size detail of break in left-hand wheel seat Endorsed: axle made 11.93, Cammell-Bessemer	- .9.45	1945	-	F3	PT	D 080	-
35929	Outline of Frame	1½" to 1' details of proposal to renew frames, profile modified to give extra depth between cylinders and driving wheel My comment: proposal not carried out	- .10.45	1945	-	D15/2 D16/2 D16/3	PT	D 072	-
35948	Sketch showing Crack in Firebox Throat Plate	1½" to 1' outline of firebox and full size details of crack between a stay and siphon tube of Ministry of Supply (WD) 2-10-0 locomotive No 73787	- .1.46	1946	-	WD	PT	D 080	-
35960	Broken Tyre-Eng 8781	3" to 1' details of tyre broken through on left-hand trailing wheel with full size details. Tyre new in 3.39, made by Monkbridge, worn to 17/8" thick	- .10.45	1945	-	D16/2	PT	D 080	-
35961	Alteration to Joint Face on Steam Pipe Connections (for Existing Castings)	Full size drawing and table of dimensions	1.11.45	1945	-	D16/3 J19/2	PT	D 003	-
35962	Position of Seats in Cab	1½" to 1' two sets of elevations and plans of seats Endorsed: position altered 16.9.47; for seat details, see Dg No 32417; for sandboxes, J68, see Dg No 29220 Att	14.11.45	1945	-	J65 J66 J67 J68 J69	PT	D 082	-
35964	Engine Type J17-Outline of Frame	1½" to 1' side elevation with dimensions	12.12.45	1945	-	J17	PT	D 003	-
35974	List of Drawing Numbers of Loco Straight Axles (for Ordering Purposes)	Unscaled list in the form of five schedules, to foolscap size My comment: also includes all ex-GERy classes extant in 1945, plus ex-GERy and LNERy tenders	26.1.46	1946	-	B2 B17 J39 J52 J93 N2 V1 V3	PT	D 002	-
35975	Engines Type Y10-Arrangement of Spark Arrestor and Damper	3" to 1' plan and elevations of assembly Copy of part of Sentinel Waggon Works Dg No 298	17.1.46	1946	-	Y10	PT	D 002	-
35988	Engine Types B12, D15-Plates, Sheets, Angles and Flats Ordering Lists for Tender Tanks	Unscaled schedules My comment: not clear whether this refers to 3450 gallon or 3700 gallon type tenders	26.2.46	1946	-	B12 D16	PT	D 002	-
35989	Engines Type J15-Plates, Angles, Tees & Flats	Unscaled ordering lists for tender tanks in schedule form	- .2.46	1946	-	J15	PT	D 002	-



35990	Arrangement of Firebrick Arch	3" to 1' end and side elevations and section of firebox and drawings of firebricks	5.3.46	1946	-	J70	PT	D 003	-
35992	Broken Tyre-Engine No 8245	3" to 1' and full size side elevation of tyre and section of fracture	7.3.46	1946	-	J19/2	PT	D 002	-
35994	Locomotive Tyres for Retopped Wheel Centres	Full size sections of tyre and dimensions <ul style="list-style-type: none"> <li>Diameter of wheel centres, 3'5<sup>5</sup>/<sub>8</sub>" and 4'3<sup>5</sup>/<sub>8</sub>"</li> <li>Diameter of wheel centres, 4'1" and 4'11"</li> </ul> Endorsed: for tyres for new wheel centres, see Dg No T-396 and for all ex-GERy tenders My comment: Stores ordering drawing Doncaster No T-615	2.4.46	1946	-	J15 J17 J19 J20	PT	D 002	-
35996	Engines N7-Arrangement and Details of Lubrication for Piston Rods, Valve Spindles, Valve Spindle Guides and Leading Horncheeks	3" to 1' arrangement of lubrication and full size details of components and fixing clips Endorsed: reference to Dg No 35996-I, mop-case and guide bush feeds; for mop case and guide bush feeds, see Dg No 39013; for oil pipe in piston gland mop cover, see Dg No 34878; for oilbox, see Dg No 28753	10.4.46	1946	-	N7	PT	D 003	-
35996 -I Att	Inspection Pipes-N7/2 & N7/3	3" to 1' arrangement and full size details of alteration to lubrication pipes when hind steam chest cover and valve spindle guide to Dg No 39013 is fitted Endorsed; for N7/2 engines, Nos. 69672 – 69701; for N7/3 engines Nos. 69702 – 69733 with long travel valves	4.2.56	1956	-	N7/2 N7/3	PT	D 002	-
36011	Engines Type B1-Eng. No 1000-Sketch showing Position of Fracture in Outside Angle carrying Footplate	3" to 1' part side elevation showing fracture	19.3.46	1946	-	B1	PT	D 028	-
36012	Engines Type B1-Sketch showing Front End of Footplate	3" to 1' details of part of front plate to be removed to allow piston valve sleeves to be bored	19.3.46	1946	-	B1	PT	D 028	-
36013	Eng. Type B1 Eng. No. 1000-Sketch showing Section through Cylinder Barrels	Full size sketch showing rebore 1/2" larger diameter, and 1/2" thick sleeve to original diameter	19.3.46	1946	-	B1	PT	D 027	-
36037 Att	Details of Cones to suit "Petroflex" Oil Pipe	Twice full size details of pipes for bogie centre lubrication	- .2.50	1950	-	B12	PT	D 068	-
36071 Part	Internal Steam pipe	3" to 1' details of copper pipe, 5 1/2" diameter x 5'37/8" long	31.8.51	1951	-	B1 B2	PT	D 028	-
36207	Spring Washer for Gudgeon Pins	Full size details of washer, 5" diameter	9.5.46	1946	-	N7	PT	D 027	-
36209	Arrangement and Details of Flue Tube Cleaning Gun	Full size elevations and sections of gun Endorsed: note added that experiment proved to be unsatisfactory, to be discontinued My comment: for water and air cocks, see Dg No 23327; for bleed-off cock, see Dg No 9353/37	15.7.46	1946	-	N7	PT	D 027	-
36209 Att 2	Proposed Alterations to Flue Tube Cleaning Gun	Full size elevations and sections of gun Endorsed: note added that experiments proved to be unsatisfactory, to be discontinued	13.2.47	1947	-	N7	PT	D 027	-
36210	Tram Engines-Arrangement of Spark Arrestor in Smokebox	1 1/2" to 1' arrangement of spark arrestor My comment: drawing unfinished. No date, scale or dimensions	13.5.46	1946	C53 G15	J70 Y6	PT	D 083	-
36226	Engines fitted with Whitakers Tablet Exchange	1 1/2" to 1' arrangement of hook and full size details of hook showing	- .8.46	1946	-	C12	PT	D	-

	Apparatus-Arrangement and Detail of Hook to Carry Tablet Pouch	six different cab positions showing hook fixing				D1 D2 D15/2 D16/2 D16/3 E4 F3 F5 F6 J15 J17 J19/2 J20 J69 K2		075	
36227	Proposed Blast Pipe Cone for Engines Class D16/3- (Slide Valves)	Full size plan and sectional elevation of blast pipe Endorsed: see Dg No 30599 for blast pipe and cap	27.7.46	1946	-	D16/3	PT	D 027	-
36230	Arrangement of Firebrick Arch	3" to 1' elevation and section of arch	8.8.46	1946	-	J67	PT	D 027	-
36235	J67 & N7 Engs. fitted with 'Jay-Gee' Smoke Eliminator Arrangement and Details of Connection between Smoke Tube & Firebrick Arch	Full size arrangement and details of brick arch	- 9.46	1946	-	J67 N7	PT	D 011	-
36236	J67 & N7 Engines fitted with 'Jay-Gee' Smoke Eliminator-Special Firebrick for Arch	Full size details of firebrick My comment: two copies of drawing, one paper tracing, one reproducible from tracing	- 9.46	1946	-	J67 N7	PT	D 013	-
36236	N7 Engine Fitted with 'Jay-Gee' Smoke Eliminator-Special Firebrick for Arch	Full size details of firebrick	- 9.46	1946	-	N7	PT	D 013	-
36237	N7 Engines fitted with 'Jay-Gee' Smoke Eliminator-Injector Air Intake Manifold	6" to 1' details of manifold	- 10.46	1946	-	N7	PT	D 013	-
36238	J67 & N7 Engines fitted with 'Jay-Gee' Smoke Eliminator-Injector Casing & Connection Pipes	Full size arrangement and details of injectors Endorsed; for assembly of injectors for J67 class, see Dg No 36442	- 10.46	1946	-	J67 N7	PT	D 012	-
36239	N7 Engines fitted with 'Jay-Gee' Smoke Eliminator-Details of Automatic Control Valve	Full size details of valve on smokebox for admitting steam to injectors	- 11.46	1946	-	N7	PT	D 012	-
36240	N7 Engines fitted with 'Jay-Gee' Smoke Eliminator-Regulating Valve for Blower & Injectors	Full size details of smokebox mounted valve, connected to blower steam, blower ring and injectors	- 11.46	1946	-	N7	PT	D 013	-
36242	N7 Engines fitted with 'Jay-Gee' Smoke Eliminator-Firebox Arrangement	3" to 1' arrangement showing nozzles into brick arch Endorsed: for details of connections see Dg No 36235; for details of special firebricks, see Dg No 36236	- 11.46	1946	-	N7	PT	D 011	-
36257	Connecting Rod Small End Bush	Full size elevations and section of bush for GE engines Endorsed: drawing prepared for outside contractors	- 11.46	1946	-	-	PT	D 043	-
36258	Intermediate Valve Spindle Guide Bushes	Full size elevation and table of dimensions	18.11.46	1946	-	D15 J15 J66 J67	PT	D 089	-

						J68 J69			
36259	N7 Engines fitted with 'Jay-Gee' Smoke Eliminator- Detail of Injector Steam pipe	6" to 1' details of pipe Endorsed: for unions and adaptors, see Dg No 35519	8.11.46	1946	-	N7	PT	D 030	-
36260	Self-Cleaning Smokebox	3" to 1' sections of smokebox and full size details of components Endorsed: superseded by Dg No 36982, with modified fastenings, 10.11.48	22.1.47	1947	-	D16/3	PT	D 084	-
36261	Main Steam Pipes	3" to 1' details of pipes for D16/3 engines with slide valves and with self-cleaning smokebox	- .1.47	1947	-	D16/3	PT	D 085	-
36262	Three Way Steam Pipe Connection	6" to 1' details of casting for D16/3 engines with slide valves and with self-cleaning smokebox	- .1.47	1947	-	D16/3	PT	D 044	-
36265	Connecting Rod Big End Brasses	Full size elevations and plan of brasses My comment: drawing prepared for outside contractors Copy of Doncaster Dg No N7-48N	- .11.46	1946	-	N7	PT	D 054	-
36266	Connecting Rod Big End Brasses	Full size elevations and sections of brass, 77/8" dia. x 3 1/4" long Copy of Dg No 33047 prepared for outside contractors	-	1946	-	D15 D16	PT	D 034	-
36267	Engines Type J15-Connecting Rod Big End Brasses	Full size elevations and plan of brasses	15.11.46	1946	-	J15	PT	D 089	-
36268	Connecting Rod Big End Brasses	Full size elevations and sections of brasses Copy of Dg No 25692 Att 6 prepared for outside contractors	18.11.46	1946	-	B12 J20	PT	D 090	-
36269	Standard Whitworth Studs	Unscaled sketches of five studs with tables of dimensions	- .11.46	1946	-	-	PT	D 035	-
36269 Att	Studs for Superheater Header Joint on Tubeplate	Full size detail of stud and table of dimensions for various locomotive classes My comment: also for WD 2-8-0	21.5.51	1951	-	B1 B2 B12/3 D15/2 D16/2 D16/3 J17 J19/2 J20 L1 N1 N7 WD	PT	D 090	-
36270	Standard Whitworth Bolts & Set Bolts	Unscaled ; 15 diagrams of bolts and set bolts and tables of dimensions My comment: Stores ordering drawing	- .11.46	1946	-	-	PT	D 034	-
36271	Reversing Screw Nut	Full size details of bronze nut, 1'8 1/4" long, with a three-start, 2" dia. left-hand thread standard for all GERy screw reverse gears. My comment: thread was tapped on a lathe, with a very large tap!	- .11.46	1946	-	-	PT	D 052	-
36271 -I	G.E Standard Reversing Screw Nut Casting	Full size details of GE standard bronze casting Copy of Dg No 6179 prepared for outside contractors	- .5.47	1947	-	-	PT	D 052	-
36272	Standard Reversing Shaft Bracket Bush	Full size section of bush	19.12.46	1946	-	-	PT	D	-

		Copy of Dg No 7066 prepared for outside contractors						090	
36273	Engines Class J15, J66-69-Coupling Rod Bushes	Full size elevations and plans of brasses and table of dimensions	20.11.46	1946	-	J15 J66 J67 J68 J69	PT	D 089	-
36274	Engines Type B12-Driving Axlebox	6" to 1' elevations, sections and plans of axlebox	20.11.46	1946	-	B12	PT	D 090	-
36275	Engines Type B12-Intermediate Axlebox	6" to 1' elevations, sections and plans of axlebox	27.11.46	1946	-	B12	PT	D 090	-
36276	Engines Type B12-Trailing Axlebox	6" to 1' elevations, sections and plans of axlebox	27.11.46	1946	-	B12	PT	D 090	-
36277	Coupling Rod Bushes	Full size details of bush castings My comment: drawing traced from Dg No S-384 for outside contractors	- .11.46	1946	-	B17	PT	D 047	-
36278	Balanced Slide Valve	Full size details of valve only of later pattern valve, with open back	- .11.46	1946	-	D15	PT	D 048	-
36294	Arrangement & Details of Trip Cock on LH Side of Tender	1½" to 1' arrangement of trip cock and full size details Endorsed: supersedes Dg No 34565; for alteration of setting of tripcock, see Dg No 38163 (Copy of DN-Y-1881); for casing and arrangement of tripcock, see Dg No 28580; for details of tripcock, see Dg No 28862; for arrangement on engine (right-hand side), see Dg No 36295	28.1.47	1947	-	J15	PT	D 086	-
36295	Arrangement and Details of Tripcock on R H Side of Engine	1½" to 1' arrangement of trip cock and 6" to 1' and full size details for air brake Endorsed: supersedes arrangement shown in Dg No 34565; for casing and arrangement of tripcock, see Dg No 28580; for details of tripcock, see Dg No 28862	- .2.47	1947	-	J15	PT	D 086	-
36296	Arrangement and Details of Tripcocks	1½" to 1' arrangement of trip cock and 6" to 1' and full size scrap views of leading and trailing ends of engine Endorsed: supersedes Dg No 29147; for alterations to setting of tripcock, cross-refer to Dg No 38163, dated 1.6.55; for casing and arrangement of tripcock, see Dg No 28580; for details of tripcock, see Dg No 28862	6.2.47	1947	-	J69	PT	D 087	-
36297	Arrangement and Details of Tripcocks	1½" to 1' arrangement of trip cock and 6" to 1' and full size scrap views of leading and trailing ends of engine Endorsed: this arrangement supersedes Dg No 28289; for casing and arrangement of tripcock see Dg No 28580; for details of tripcock see Dg No 28862	10.2.47	1947	-	F5	PT	D 087	-
36315	Sketch showing Cracks in Bogie Frame Stay and Bottom Centre	3" to 1' sketch showing details of cracks	21.2.51	1951	-	B1	TP	D 042	-
36373	Pressed Steel Oil Box-Big End Straps	Full size elevations and plan of straps Endorsed: original drawing prepared by Locomotive Works Manager's office 1.47	- .1.47	1947	-	B12	PT	D 042	-
36379	J50 Engines fitted with "Jay-Gee" Smoke Eliminator-	Full size details of firebrick	22.4.47	1947	-	J50	PT	D	-

	Special Firebrick for Arch							025	
36380	J50 Engines fitted with "Jay-Gee" Smoke Eliminator-Details of Connections between Smoke Tube and Firebox Arch	Full size details of connections	22.4.47	1947	-	J50	PT	D 025	-
36381	J50 Engines fitted with "Jay-Gee" Smoke Eliminator-Air Injector Casing	Full size details of casing	22.4.43	1943	-	J50	PT	D 025	-
36382	Details of Air Injectors-J50 Engines fitted with "Jay-Gee" Smoke Eliminator	Full size details of injectors fitted to J50s at Stratford	22.4.47	1947	-	J50	PT	D 057	-
36404	Internal Steam Pipe	3" to 1' details of copper pipe, 5" dia. x 6'2" long Endorsed: N2 added 8.1.56; length of pipe altered in accordance with Dg No 36418 (Copy of Dg No W795)	- .11.47	1947	-	J52 N2	PT	D 012	-
36442	Arrangement and Details of Air Injector ("Jay-Gee" Smoke Eliminator)	Full size sectioned general arrangement and drawings of components	22.7.47	1947	-	J67	PT	D 023	-
36443	Air Injector Steam Pipe Fittings ("Jay-Gee" Smoke Eliminator)	Full size drawings of three tee-pieces	22.7.47	1947	-	J67	PT	D 023	-
36444	J50 Engine fitted with "Jay-Gee" Smoke Eliminator-Wood Mould for Special Firebrick	Full size sections and elevations of mould and core	26.7.47	1947	-	J50	PT	D 023	-
36445	Sketches of Motion Parts showing Details of Welding	Unscaled pseudo-perspective drawings of 27 motion components My comment: for various classes of locomotive; drawing probably unfinished, details of welding not added	12.4.51	1951	-	-	PT	D 087	-
36450	Wood Mould for Special Firebrick for N7 Engines	Full size details of mould for refractory castable shape, for brick arch Copy of 'UC Ltd' drawing	- .10.46	1946	-	N7	PT	D 013	-
36451	Details of Air Injector	Full size details of seven components and sectional arrangement Endorsed: venturi tube altered 9.7.47; items 2, 3, 4 superseded by Dg No 36442, items F, D, B. Item 7 deleted My comment: purpose of fitting not clear Copy of drawing by U.C. Ltd, I, Markhouse Road, Walthamstow	10.7.47	1947	-	N7	PT	D 036	-
36452	Piston Rod & Valve Spindle Packing Springs	Full size details of springs	- .7.47	1947	-	B12 B17 D15 D16 E4 F3 F4 F5 F6 J15 J39 J66 J67 J68 J69 N7 Y5	PT	D 085	-

36458	Steel Forgings for Coupling Rods	1½" to 1' elevations and plan of forgings My comment: this was for <u>one</u> set of side rods for "Charles Jones", the last 0-6-4T overhauled at SX, around 1948 My comment: Stores ordering drawing	- .8.47	1947	-	M2	PT	D 012	-
36463	Metallic Piston Rod & Valve Spindle Packing	Full size details of various patterns with tables of dimensions for various classes of locomotives	- .10.47	1947	-	-	PT	D 074	-
36479 Part	Sketch showing Proposed Alteration to Position of Oilboxes for Axlebox Lubrication	1½" and 6" to 1' scrap elevations of firebox backhead and drawings of oilbox brackets Endorsed: for oilbox see Dg No 28753	- .10.47	1947	-	N7/1 N7/2	PT	D 033	-
36491 -1	Felt Oil Pad for Connecting Rod Big End Bush	Full size details of oil pad for WD Austerity 2-8-0 locomotives Copy of part of Doncaster Dg No S-429 My comment: Stores ordering drawing	17.6.49	1949	-	WD	PT	D 023	-
36578	Class 'H' Exhaust Steam Injector Nozzles-Chart of Maximum Permissible Bores	Unscaled drawing with dimensions of nozzles for renewal Copy of Davies & Metcalfe Dg No 9336	- .11.47	1947	-	-	PT	D 049	-
36583 Part 1	Diagram showing the Machining of Hornblock Wedges to receive Liners and Liner Sizes	Unscaled diagram showing method of reclaiming of worn wedges by inserting liners behind for all GERY classes and J52	9.12.47	1947	-	J52	PT	D 079	-
36583 -2	Diagram showing New, and Minimum Diameters of Journals and Crown Thickness of Axleboxes when New	6" to 1' diagram of axlebox and table of minimum and maximum diameters of journals and axlebox crown thicknesses	- .12.42	1942	-	B12 D15 D16 E4 F3 F4 F5 F6 J15 J17 J19 J39 J52 J65 J66 J67 J68 J69	PT	D 035	-
36583 Part 3	Diagram of Hornblock Face Dimensions when New	Unscaled diagram showing dimensions of hornblock faces for recovery of axleboxes for all locomotive classes	- .12.47	1947	-	-	PT	D 044	-
36589	Trailing Buffer Beam on Engine	3" to 1' plan and elevation of buffer beam	11.3.49	1949	-	B12 D15 D16	PT	D 024	-
36607	Loco Tyre	Full size details of tyre, diameter to be filled in My comment: Stores ordering drawing Copy of Doncaster Dg No T403N, dated 10.4.33	- .2.48	1948	-	-	PT	D 080	-
36613	Proposed Cast Steel Crosshead and Slide Block with Parallel Gudgeon Pin	Full size elevations and section of component Endorsed: recess added to piston rod socket, 23.2.55 Copy of Darlington Dg No 383137, duplicate copy master	11.4.45	1945	-	D49/1	PT	D 031	-

36614	Details of Cast Steel Crosshead and Parallel Gudgeon Pin	Full size elevations and section of component Endorsed: altered 14.12.49 and 8.9.54 Copy of Darlington Dg No 383/42	19.4.45	1945	-	D49/4 J39	PT	D 024	-
36620	Sketch showing Method of Repairing Fractured Frames	Unscaled sketches showing three methods of repair Copy of print in Locomotive Works Manager's office	25.3.48	1948	-	-	PT	D 046	-
36620 -1	Corner Patch for Locomotive Frames	Unscaled details of pieces welded-in Copy of Dg No MO240G	- .3.51	1951	-	A3 J6 K3 V2	TP	D 053	-
36759	Coupling Rods	Full size elevations, section and plan of rods and 1½" to 1' complete elevation Copy of Doncaster Dg No DN-S-589	20.10.55	1955	-	B2 B17	PT	D 083	-
36765	Front End Profile of Engine Type J19/2	1½" to 1' end elevation showing throws for a curve of 6 chains	- .6.51	1951	-	J19/2	PT	D 082	-
36768	Boiler Steadying Stay	3" to 1' arrangement of stay Endorsed: supersedes Dg No 33387; for boiler angle see Dg No 30595	- .10.51	1951	-	D16/3	PT	D 031	-
36783	'Tufnol' Handles for Boiler Mountings	Full size elevations and plan of handles for GERy steam brake handle; blower valve for N7, large ejector; small ejector and large ejector release valve	- .4.52	1952	-	N7	PT	D 064	-
36784	Arrangement and Details of Vacuum Brake Pipe on Tender	1½" to 1' scrap elevations of tender frames for all GE tenders and 3" to 1' details Endorsed: supersedes Dg Nos 8143 and 16236	24.7.53	1953	-	-	PT	D 081	-
36785	Wood Packing	Unscaled diagrams of 21 items of wood packing used, for example, on Westinghouse brakes and reservoirs	25.6.52	1952	-	-	PT	D 087	-
36786	Eccentric Sheave	3" to 1' elevation and section of sheaves and full size details Endorsed: supersedes Dg No 19263 for renewals; for eccentric strap, see Dg No 19255 My comment: probably a modified design, for engines with short valve travel	- .8.52	1952	-	N7	PT	D 072	-
36796	Sketch showing Pricker & Ash Rake	3" to 1' details of pricker and rake Endorsed: drawing prepared at Mr Nunn's request, as made at Stratford, to be ordered from Brighton	- .10.52	1952	-	-	PT	D 046	-
36798	Broken Crank Axle	3" to 1' and full size elevations and sections of crank axle and wheels, showing break, with full size detail of break, at right-hand journal on engine No 69456 Endorsed: solid crank axle made by 'Monkbridge'	- .11.52	1952	-	N1	PT	D 080	-
36802	Loco Tyre	Full size elevation and section of tyre, 6'5½" inside diameter My comment: Stores ordering drawing Copy of Doncaster Dg No T-637	- .4.48	1948	-	-	PT	D 071	-
36803	Proposed Alteration to Double Line Snow Plough to Drg No 30-18283B	1½" and 3" to 1' elevations, section and plan of plough	17.6.48	1948	-	J15 J17	PT	D 083	-
36804	Details of Attachments for Double Line Snow Plough to Dwg 30-18283B	3" to 1' details of brackets	16.8.48	1948	-	J15 J17	PT	D 023	-
36805	Arrangement for Attachment of Double Line Snow	1½" to 1' elevations, section and plan of plough and front of engine	23.9.48	1948	-	J15	PT	D	-

	Plough-Cowlairs Type to Drg 30-18283B	and details for fixing Endorsed: for details of fixing brackets, see Dg No 36804; for alteration of plough to suit J15 and J17 engines, see Dg No 36803				J17		026	
36813	Arrangement and Details of Fabricated Front Dragbox for Tenders	3" and 6" to 1' elevations, sections and details for ex-GERy tenders	14.6.48	1948	-	-	PT	D 083	-
36815	Arrangement and Details of Fabricated Rear Dragbox for Tender	3" to 1' elevations and sections of dragbox for large, ex-GERy tenders	- .5.48	1948	M52 T69	-	PT	D 023	-
36816	Boiler No 1919 (Engine No 9706)-Sketch showing Fractures in Barrel Plate	Full size details of outer butt strap showing fractures	8.5.48	1948	-	N7	PT	D 024	-
36823	Arrangement and Details of Attachment of Snow Plough Darlington Dg No 16742D (Darlington Type)	1½" to 1' arrangement of attachment and 3" to 1' details Endorsed: drawing amended by changing bolt details, no date	9.6.48	1948	-	J15 J17	PT	D 023	-
36837	Arrangement of Conduit on Tender for Telephone Communication with Royal Train	1½" to 1' rear and half-front elevations of tender and 3" to 1' and full size details for engine No 1670	9.6.48	1948	-	B2	PT	D 023	-
36851	Lower Barrel Casing for Sentinel Boiler	3" to 1' sectional elevation and plan of casing Endorsed: for engine No 8187, boiler No 1404	21.6.48	1948	-	Y10	PT	D 033	-
36859 Att	Boiler Tube-Steel	Full size details of boiler tubes My comment: Stores ordering drawing Copy of part of Darlington Dg No N-15308/2 D, received -.2.35	- .1.50	1950	-	J39 D49	PT	D 077	-
36862	Arrangement of Number Plate on Smokebox Door	3" to 1' and full size elevations of top part of three smokeboxes and schedule of dimensions for positions to suit ex-GERy locomotive classes Endorsed: for number plate, see Dg No 36864	8.7.48	1948	-	-	PT	D 090	-
36877	Arrangement and Details of K.D.G Water Gauge for Tender	1½" to 1' arrangement and full size details showing indicating gauge on outline of tender front, etc.	- .9.48	1948	-	K2	PT	D 050	-
36920	Details of Tablet Exchange Apparatus on Engine	6" to 1' details of tablet catcher	16.8.48	1948	-	N7	PT	D 060	-
36921	Arrangement of Tablet Exchange Apparatus	3" to 1' arrangement showing tablet gear in cab Endorsed: for details of apparatus, see Dg No 36920; for pocket on right-hand side and casings, see Dg No 36922; for hole in left-hand side cab plate, see Dg No 36922	- .8.48	1948	-	N7 N7/2 N7/3	PT	D 060	-
36922	Alterations to Cab Sides and Details of Casings, Engines fitted with Tablet Catcher	3" and 6" to 1' elevations and sections of pockets in cab sides Endorsed: for details of apparatus, see Dg No 36920; for arrangement of apparatus, see Dg No 36921	27.8.48	1948	-	N7/2 N7/3	PT	D 003	-
36976	Fabricated Brake Crossbeam	6" to 1' elevation and plan and full size details showing two beams, one for locomotives as listed and the second for tenders fabricated from steel and welded	28.8.48	1948	-	F4 F5 F6 J65 J66 J67 J68 J69	PT	D 028	-
36977	Arrangement and Details of Chain for Securing Steam Heating Flexible Pipe	1½" to 1' arrangement and full size details of chain attached to guard-iron bolt or buffer bolt to suit all GERy engines and tenders	- .10.48	1948	-	-	PT	D 057	-
36981	Diagram showing Position of Axlebox in Hornblock	Unscaled table of dimension 'A' between hornstay and axlebox for	- .10.48	1948	-	-	PT	D	-



	for Valve Setting	all locomotive classes shipped at Stratford My comment: gives 'motion' drawing numbers, presumably these are arrangement drawings						070	
36982	Self-Cleaning Smokebox	3" to 1' sectioned plan and elevations of smokebox and full size details for engines with slide valves Endorsed: supersedes Dg No 36260; for modifications for engines with piston valves, see Dg No 36982-1; for smokebox elbow for vacuum brake ejector, see Dg No 29853; for alteration to handrails on smokebox, see Dg No 30769; for steam pipes, see Dg No 36261; for steam pipe connection, see Dg No 36262	10.11.48	1948	-	D16/3	PT	D 084	-
36983	Arrangement of "Nathan" Type Water Level Indicator on Tender	3" to 1' scrap elevation of top rear corner of left-hand side of tender, showing position of indicator Endorsed: for details of indicator, see Dg No 36984	16.11.48	1948	-	B12	PT	D 004	-
36986	Arrangement and Details of Seating Pads for Group Standard Water Gauge	3" to 1' arrangement of backplate and full size details	- .12.48	1948	-	J70 Y6	PT	D 064	-
36987	Details of Fabricated Small End Oil Box	Full size details of 3 components and ancillary fittings and table of applicable GE classes Endorsed: cancelled see Dg No 37357	4.8.49	1949	-	-	PT	D 076	-
36990	Arrangement & Details of Tender Weatherboard	1" to 1' arrangement of weatherboard Endorsed: superseded by later tracing	14.1.49	1949	-	J19	PT	D 072	-
36990	Arrangement and Details of Tender Weatherboard	1" to 1' details of weatherboard on small S23 tender with small weatherboard bolted on Endorsed: drawing prepared at Motive Power Superintendent's request for three engines for tender-first working, see ref. M210/19/2, dated 31.12.48 My comment: is this a small tender on a J19 locomotive	14.1.49	1949	S23	-	PT	D 063	-
36990 -1	Sketch showing Proposed Tender Weatherboard	1½" to 1' sketch showing two alternatives, one with a round window, and the other with a 'D16/3' shaped window	-	-	-	J17	PT	D 064	-
36991	Arrangement of Vacuum Trip Gear	3" to 1' arrangement of gear on locomotive and 6" to 1' fittings for auto-fitted locomotives Endorsed: for details of trip and isolation cocks, see Dg No 33260; for vacuum brake arrangement, see Dg No 16081	7.4.49	1949	-	F5	PT	D 084	-
36992	Locomotive Thick Tyre Gauge for Minimum Thickness of Flange	Full size details of small gauge Copy of Dg No R59M.F.	- .4.49	1949	-	-	PT	D 064	-
37002	Sketch showing Fractures in Firebox Wrapper Plate	½" to 1' sketch showing fractures and full size details of boiler No 4008 to Diagram No 100	29.3.49	1949	-	-	PT	D 025	-
37012	Proportions for Self-Cleaning Smokebox	Unscaled diagram of smokebox and table of proportions Copy of LMSRy Dg No D D-3805	- .5.49	1949	-	-	PT	D 033	-
37015	4 Way Steam Pipe Connection in Smokebox For Engines fitted with Vacuum Controlled Regulator	Full size details of connection, one per engine Endorsed: for details of lenticular joints, see Dg No 37016	31.5.49	1949	-	N7	PT	D 016	-
37016	Details of Steam Pipe Joints in Smokebox-For Engines fitted with Vacuum Controlled Regulator	Full size details of joints Endorsed: for engines fitted with two vacuum controlled regulators, see Dg No 37032; for arrangement of pipes in smokebox, see Dg No 37014; for steam pipe flanges, see Dg No 34546	7.6.49	1949	-	N7	PT	D 016	-

37017	Details of Brackets, Clips, Pipe Joints, etc. For Engines fitted with Vacuum Controlled Regulator	Unscaled details of fourteen components for push-pull trains Endorsed: for bracket to suit engines fitted with two vacuum controlled regulators, see Dg No 37017 Att; for other details, unions, etc. see Dg No 34527	22.11.49	1949	-	N7	PT	D 016	-
37017 Att	Bracket for Vacuum Cylinder-For Engines fitted with Two Vacuum Controlled Regulators	6" to 1' details of bracket	- .10.50	1950	-	N7	PT	D 016	-
37027	Steam Pipe Connection-For Engines fitted with Two Vacuum Controlled Regulators	Full size details of connection	- .10.50	1950	-	N7	PT	D 083	-
37032	Details of Steam Pipe Joints in Smokebox-For Engines fitted with Two Vacuum Controlled Regulators	Full size details of joints for auto-fitted engines Endorsed: for arrangement of pipes in smokebox, see Dg No 37029	- .10.50	1950	-	N7	PT	D 054	-
37033	Brick Arches	¾" and 3" to 1' and full size diagrams of 8 fireboxes for former GE classes and table of dimensions	- .11.49	1949	-	-	PT	D 087	-
37306 Att	Cast Iron Piston Packing-Maddison Type	Full size details of packing Copy of Doncaster Dg No M-721 (?)	- .9.51	1951	-	-	PT	D 043	-
37306 Att 2	Clip Spring for Maddison Type Cast Iron Piston Packing	Full size details of packing Copy of Doncaster Dg No M-721	- .9.51	1951	-	-	PT	D 066	-
37357	Details of Fabricated Small End Oilbox	Full size elevations and plan of oilbox	- .12.49	1949	-	B12 J19 J20	PT	D 054	-
37357 -1	Details of Fabricated Small End Oilbox	Full size elevations and plan of oilbox bolted to crosshead	- .7.50	1950	-	D15 D16 J17	PT	D 070	-
37357 -2	Details of Fabricated Small End Oilbox	Full size elevations and plan of oilbox bolted to crosshead Endorsed: for left-hand oilbox, J67-J69, fitted with condensing gear, see Dg No 37357-2 Att	16.1.50	1950	-	E4 F3 F4 F5 F6 J15 J66 J67 J68 J69 N7	PT	D 049	-
37357 Att 2	Arrangement of Fabricated Small End Oilbox on LH Crosshead (Engines fitted with Condenser Gear)	Full size elevations and plan of oilbox on left-hand crosshead has to clear condenser pipe, smokebox to tank	- .7.50	1950	-	J67 J68 J69	PT	D 048	-
37357 -3	Details of Fabricated Small End Oilbox	Full size elevations and plan of oilbox attached to crosshead Endorsed: for left-hand oilbox for J67- J69 fitted with condenser gear, see Dg No 37357 Att 2	- .8.54	1954	-	E4 F3 F4 F5 F6 J15 J66 J67	PT	D 054	-

						J68 J69 N7			
37372	Engs Types D15, J17-Sets of Steel Boiler Plates	Unscaled elevations of plates for new boilers My comment: Stores ordering drawing	3.1.50	1950	-	D15 J17	PT	D 059	-
37376	Spark Arrestor	3" and 6" to 1' elevations and plan of wire spark arrestor and details My comment: traced by J.A.Gardner	- .10.50	1950	-	B12/3 D15/2 D16/3 J19/2	PT	D 059	-
37377	Spark Arrestor (Lower Portion)	3" to 1' elevations and plan of wire cage type spark arrestor and full size details Endorsed: for top portion, see Dg No 37377 Att	- .10.50	1950	-	J17	PT	D 048	-
37377 Att	Spark Arrestor (Top Portion)	Full size elevations and plan of arrestor Endorsed: see copy dated 1.51; for bottom portion for N7/4, see Dg No 37431; for chimney for J17 and for N7/4, see Dg No 23579	- .10.50	1950	-	J17 N7/4	PT	D 058	-
37377 Att	Spark Arrestor (Top Portion)	6" to 1' elevations and plan of arrestor	- .1.51	1951	-	J17 N7/4	PT	D 058	-
37378	Spark Arrestor	3" to 1' arrangement of wire cage and full size details of fittings	- .10.50	1950	-	N7	PT	D 042	-
37378	Spark Arrestor	3" to 1' elevations and plan of wire spark arrestor and 6" to 1' details	- .10.50	1950	-	B17	PT	D 058	-
37379	Spark Arrestor	3" to 1' elevations and plan of wire spark arrestor in smokebox and full size details My comment: retraced on film, 2.86	- .10.50	1950	-	N7/1 N7/2 N7/3 N7/5	PT	D 059	-
37379	Spark Arrestor	3" to 1' elevations and plan of wire cage type spark arrestor and full size details Endorsed: original tracing loaned to Doncaster in connection with N7 Rye House fire claim; for N7/4, lower portion, see Dg No 37431; for N7/4, top portion, see Dg No 37377 Att	- .10.50	1950	-	N7/1 N7/2 N7/3 N7/5	PT	D 052	-
37380	Spark Arrestor	3" to 1' elevations and plan of arrestor and 6" to 1' details	- .10.50	1950	-	E4 F3 F4 F5 F6 J15	PT	D 089	-
37390	Forgings	Unscaled table for various forgings by type/engine class, giving a total of 95 diagram numbers	14.2.50	1950	-	-	PT	D 059	-
37402	Arrangement of Conical Type Spark Arrestor	3" to 1' outline of smokebox and chimney etc., showing wire type arrestor mounted on blastpipe Endorsed: for spark arrestor (lower), see Dg No 37377; for spark arrestor (top), see Dg No 37377 Att; for chimney and hood, see Dg No 23579 & Att; for blast pipe, see Dg No 23892 My comment: good drawing of J17 smokebox superheater, with cast iron chimney	- .4.50	1950	-	J17	PT	D 070	-

37424	Spark Arrestor (Lower Portion)	3" to 1' section of blastpipe/spark arrestor/chimney petticoat, and full size details of blastpipe fixings Endorsed: amended dimensions for J20 added, 11.50; for top portion of spark arrestor, see Dg No 37424 Att	- .10.50	1950	-	D16/2 J20	PT	D 003	-
37427	Fabricated Details for Cylinder Cock Gear	6" to 1' and full size details of six components and tables of dimensions to suit	13.8.51	1951	-	B12 D15 D16 E4 F3 F4 F5 F6 J15 J17 J19 J20 J66 J67 J68 J69 N7	PT	D 087	-
37434	Sketch showing Position of Crack in Firebox Wrapper Plate-Boiler No 9417 Dia. 25A	1½" to 1' sketch showing crack adjacent to clothing boss	- .10.50	1950	-	J20	PT	D 063	-
37436 Att	Clips for Spark Arrestor	Full size details of clips	-	-	-	K3	PT	D 051	-
37503	Lengthened Washout Plug with BR Standard Thread	Full size details of plug My comment: Stores Ordering drawing	20.11.57	1957	-	N7 O4	PT	D 023	-
37503 Att	Proposed Lengthened Washout Plugs with B.R. Std. Thread	Full size details of plug Endorsed: cancelled, see later tracing 37503 20-11-57'; for table of Mark Nos., Dimensions 'A', and Limits, see Dg No SL-SW-20	- .11.55	1955	-	N7	PT	D 071	-
37525 Part	Rubber Insert-Detail for Locomotive Headlamp	Full size details of rubber ring, 4" internal diameter Copy of Dg No 2/SL/DN/YY-244, part of Dg No SL/DN/YY-244	-	1952	-	-	TP	D 070	-
37561	Details of Brackets, Carriers, Pipe Clips, etc. for Automatic Train Control	3" and 6" to 1' and full size details of components and schedule Endorsed: for general arrangement se Dg No 37560 My comment: presumed to be for J17 class transferred to LT&SRy section, and fitted with Hudd automatic train control	1.1.52	1952	-	J17	PT	D 083	-
37570	Arrangement and Details of Attachment of Snowplough to Dwg 16742-D (Darlington Type)	1½" to 1' arrangement of attachment and 3" to 1' details My comment: plough is identical to that fitted to J15 and J17 engines, for ex-LMSRy 4F 2-6-0 engines (43000 series)	- .10.52	1952	-	4F	PT	D 024	-
37586	Leading, Intermediate & Trailing Axle	3" to 1' elevations and section for leading and intermediate axles for N7; leading and trailing axles for J17 and J19/2 My comment: no specifications, etc. for comparison purposes	- .5.52	1952	-	J17 J19/2 N7/1 N7/2 N7/3 N7/4	PT	D 052	-

						N7/5			
37589	Proposed Addition to Drg No N-1296-Washout & Fusible Plug Tablet	Unscaled details of tablet Endorsed: not agreed	2.5.52	1952	-	-	PT	D 049	-
37595	Driving and Trailing Wheels-Cast Steel	3" to 1' elevations and section of wheel casting Endorsed: supersedes Dg No 29678 My comment: Stores ordering drawing	23.7.52	1952	-	D16	PT	D 023	-
37596	Proposed Alteration to Methods of Lubrication and Whitemetalling of Connecting Rod Brasses	Full size elevation and plan of connecting rod brass Endorsed: note added that the alteration was not proceeded with	- .9.52	1952	-	B12/3	PT	D 024	-
37599	Protector for Sight Feed Lubricator Glasses	Full size details of phosphor bronze 'spring' around glass	- .12.52	1952	-	-	PT	D 070	-
37600 -1A Att	Bracket for Westinghouse Pump Silencer	Full size elevations and plan of bracket which appears to be 'blower ring' around blastpipe top My comment: reference to Doncaster Dg No DN-Y1802	11.7.51	1951	-	-	PT	D 012	-
37616	Loco Tyre	Full size elevation and section of locomotive tyre, 5'1 1/4" inside diameter My comment: Stores ordering drawing Copy of Doncaster Dg No T-669	- .2.53	1953	-	-	PT	D 045	-
37617	Loco Tyre	Full size elevation and section of locomotive tyre, 4'3 1/2" internal diameter and about 4'11" outside diameter Copy of Doncaster Dg No T-60	- .2.53	1953	-	-	PT	D 064	-
37665	Dial for Vacuum Gauge	Full size details of gauge made of aluminium alloy	12.11.52	1952	-	-	PT	D 077	-
37683	Diagram of Copper Stays-Boiler Dia. 100A	1/2" to 1' sketch of stays My comment: presumably for repair or inspection purposes Copy of Doncaster Dg No N-823-14	- .5.49	1949	-	B1	PT	D 068	-
37720	Sketch of Alteration to Engine Cab (as from August 1954)	1 1/2" to 1' sketch showing several alterations, stiffening strips, seat brackets, etc.	- .10.54	1954	-	B1	PT	D 070	-
37737	Coupling Rods	Full size elevation and section of rods Copy of Doncaster Dg No DN-S-553	19.5.55	1955	-	B1	PT	D 083	-
38025	Fibre Glass Mattress-Boiler Barrel	1 1/2" to 1' elevation of mattresses Endorsed: see later tracing, 19.11.54	- .3.54	1954	-	-	TP	D 041	-
38025	Fibreglass Mattress for Boiler Barrel	1 1/2" to 1' elevation of mattresses	- .11.54	1954	-	J50	PT	D 068	-
38027	Fibreglass Mattress for Firebox	1 1/2" to 1' elevation of mattresses My comment: for engines having a firebox with washout plugs	- .12.54	1954	-	J50	PT	D 068	-
38028	Fibreglass Mattress for Firebox	1 1/2" to 1' elevation of mattresses My comment: for engines with boilers having firebox inspection doors	20.12.54	1954	-	J50	PT	D 068	-
38038	Sketch indicating Thickened Portion of Copper Tube Plate to Drg 15030-E-A112 & N-493-IN	3" to 1' sketch of tube My comment: for engines with round-topped boiler to diagram 101. Dated around 1955	-	-	-	N7	PT	D 012	-
38042	Fibreglass Clothing	1 1/2" to 1' elevations of fibreglass mats, 1 1/2" thick	- .7.55	1955	-	N7/3 N7/4 N7/5	PT	D 049	-
38043	Arrangement & Details of Lock for Reversing Screw	6" to 1' arrangement and full size details of locking ring and catch	- .10.55	1955	-	N7/1	PT	D	-

		added to existing reversing gear				N7/2 N7/3 N7/4 N7/5		086	
38048	Piston Valves & Spindle	Full size assembly of spindle, valve heads, etc. for engines Nos. 69671- 69733 Endorsed: supersedes Dg No 26363 My comment: bearing surfaces, etc., of spindle appear to have been increased	- .4.56	1956	-	N7/2 N7/3	PT	D 054	-
38053	Bunker Sprinkler	1½" to 1' arrangement of sprinkler and 3" to 1' and full size details	- .8.56	1956	-	N7	PT	D 068	-
38054	Location & Wording of Plate relating to Midgear Position when Coasting	1½" to 1' sketch showing position of plate in cab and full size details of plate for engines with long valve travel	3.10.56	1956	-	N7	PT	D 012	-
38066	Broken Crank Axle-Eng. 64900 Class J39	3" to 1' sketch of crank axle and wheels resulting from mishap at Brentwood, 12.10.57	- .10.57	1957	-	J39	TP	D 012	-
38098	Lubricator for Westinghouse Pump (Fabricated)	Full size sectioned general arrangement, and drawings of components Endorsed: altered 24.1.55	9.7.53	1953	-	-	PT	D 036	-
38112	Piston & Rod	Full size elevations and section of component Endorsed: for piston rings, see Dg No 30319	- .1.54	1954	-	B12 J19 J20	PT	D 076	-
38141	Loco Tyre	Full size elevations and sections of nine tyres My comment: stores ordering drawing T407-N	- .2.54	1954	-	-	PT	D 077	-
38157	Proposed Connecting Rod Big End Brasses	Full size elevations and details of brasses	- .2.54	1954	-	B12/3	TP	D 082	-
38164 -1	Boiler No. 13675-Patches around Washout Seatings on First Barrel	3" to 1' and full size details of patches on BR 4MT 2-6-0 engine	20.6.55	1955	-	4MT	PT	D 039	-
38164 -2	Boiler No. 29004-Crack in Backplate at R.H. Injector Pad	3" to 1' drawing showing crack on engine with round-topped boiler	- .1.56	1956	-	N7	PT	D 012	-
38166	Assembly of Friction Clutch, Ecc. Shaft & Bearings for Existing No.7 Lubricator Gal. Size	Full size details of assembly for Wakefield (?) mechanical lubricator	20.6.55	1955	-	-	PT	D 046	-
38167	Assembly of Friction Clutch, Ecc. Shaft & Bearings for Existing 7Z lubricators shown on 7Z 2009	Full size details of assembly for Wakefield (?) lubricator modifications Copy of Dg No Doncaster Dg No 7Z 2045	22.6.55	1955	-	-	PT	D 045	-
38179	Sketch showing Fracture in Bogie Centre Casting Eng No 61223	3" to 1' sketch showing position of fracture	1.11.56	1956	-	B1	PT	D 014	-
38182	Arrangement & Details of Vacuum Trip Cock Gear	1½" to 1' arrangement and 6" to 1' details of gear attached to trailing radial axlebox	- .1.57	1957	-	N7/5	PT	D 085	-
38185	Sketch of Tyre Wear-Eng 68588-J69/2	Full size sketch showing wear My comment: incredible tyre wear since last returning, flanges nearly twice proper depth	- .10.55	1955	-	J69/2	PT	D 013	-
38223	Broken Crank Axle-Engine No 69497 Class N2	3" to 1' elevations of crank axle showing break point My comment: mishap at Wood Green, 22.3.56. Maker of axle, Steel, Peech & Tozer. Dated around 22.3.56	-	1958	-	N2	PT	D 019	-
38230	Proposed Nut for Connecting Rod Bolts	Full size details of nut incorporating washer	- .4.58	1958	-	J39	PT	D	-

		Endorsed: not Agreed by CM&EE-cancelled My comment: possibly for big end bolts						012	
38233	Link for Blow Off Cock Gear	Full size details of link	- .4.58	1958	-	J39	TP	D 068	-
38234	Drawgear for Front Tender Dragboxes	Full size elevations and plan of drawgear Endorsed: for use between east and west sides of works only My comment: temporary couplings for use at Stratford Works and for use with tenders of ex-GERy classes	15.4.58	1958	-	B1 B2 B17	TP	D 006	-
38234 -3	Drawgear for Front Tender Dragboxes	Full size details of drawgear for BR class 4 2-6-0 engines	- .8.58	1958	-	4MT	TP	D 040	-
38815	Sketch of R.D. Hornblock-(Condition of L.D. similar)	1½" to 1' details of top of hornblock separated from frame by ¾" to 5/32" My comment: for ex-LMSRy class 4MT No 43092	- .4.55	1955	-	4MT	TP	D 070	-
38843	Tube Feeder Installation	3" to 1' details of tube, 10" diameter, in tank for three-cylinder 2-6-4T engines Nos. 42500 – 42536 My comment: for water treatment? Copy of Derby Dg No D54-21983	- .3.56	1956	-	4MT	PT	D 058	-
38849	Cylinder Cock Handle Stop Plate	Full size details for engines fitted with: <ul style="list-style-type: none"> <li>• Frames to Dg No O-11842-D</li> <li>• Cylinders to Dg No M-16336-D</li> <li>• Cylinder cocks to Dg No X-754</li> </ul>	- .4.58	1958	-	J39	PT	D 059	-
38877	Lifting Bracket for Tender Tank	1½" to 1' plan on tender and full size details of four lifting lugs My comment: for ex-NERy 4125 gallon tender	- .9.58	1958	-	-	TP	D 059	-
38946	BI Foundation Ring-Position of Studs	3" to 1' elevation and plan of ring for engines with drop grate or rocking grate	- .4.59	1959	-	BI	TP	D 059	-
39000	Frame & Boiler Stay	3" to 1' and full size details of sliding boiler stay bolted to firebox backplate and bolted to frame with provision to move Endorsed: for boiler see Dg No 22205; for frame see Dg No 11225; for frame (high) see Dg No 15060	- .5.54	1954	-	J17	PT	D 063	-
39003	Connecting Rod	Full size elevations, section and plan of rod with items A – N. Endorsed: for big end brasses for J19/2, work to Dg No 25692 No 1 Att; this drawing cancels Dg No 25692 and attachments 2, 3, 4, 5 & 6; also part copy of No 6 Att; also Dg No 26898 and Dg No 34788	- .12.54	1954	-	B12/3 J19/2 J20/1	PT	D 085	-
39006	Frame and Boiler Stay	3" to 1' arrangement and full size details of seven components Endorsed: for round-topped boiler, see Dg No 28994	14.8.54	1954	-	E4	PT	D 017	-
39008	Big-End Brasses lined with Hoyt's Whitmetal	Full size elevations and sections of brasses Copy of contractor's Dg No Z154, E3601, dated 27.4.54	25.11.54	1954	-	B12/3	PT	D 087	-
39012	Axlebox Sideplay & Clearances	Unscaled tables of dimensions for axlebox clearances, etc. My comment: For ex-LNERy, Doncaster, engines; main ex-GERy engines and BR Standard engines Copy of Dg No LF/GM/75 (M-14981-E)	- .12.54	1954	-	-	PT	D 080	-
39013	Proposed Hind Steamchest Cover	Full size elevations, section and plan of new style cover incorporating valve spindle guides, to replace old guides on supporting angle	18.1.55	1955	-	N7/1 N7/2 N7/3	TP	D 063	-

		Endorsed: cancelled, see retracing on cloth My comment: modification carried out on several engines				N7/4 N7/5			
39013	Hind Steam Chest Cover and Integral Valve Spindle Guide	Full size elevations, section and plan of guide brackets and 'bridge' My comment: possibly the last modification made to the N7 class – 42 years to carry out an obvious modification!	- .1.56	1956	-	N7/2 N7/3	PT	D 049	-
39014	Lubrication Arrangement,-Trailing Axleboxes and Horns	1½" to 1' scrap elevations and plan of rear of engine and bottom of cab and full size detail of clip for oil pipes	- .1.55	1955	-	J17	PT	D 081	-
39015	Proposed Method of Repairing Stems of Mudhole Doors to Dwg 609-IN	Full size elevation and section of stem	- .2.55	1955	-	-	PT	D 034	-
39017	Connecting Rod Big End Brasses with Full Whitmetal Bearing Surface	Full size elevations and section of big end brass Endorsed: copy of Dg No 38157, by revision and re-drawing to CM&EE requirements	- .7.55	1955	-	B12/3	PT	D 070	-
39020	Engs J20/I-Alterations to Cab for Running with Back-Cab Tenders, also Alterations reqd. to J17 Back-Cab Tenders to permit Running with J20/I Engs	1½" to 1' outline arrangement of cab and full size details of fittings Endorsed: for back-cab on J20 tender, see Dg No 37557	- .8.55	1955	-	J20/I	PT	D 063	-
39022	Stems for Repairs to Mud and Inspection Doors	Full size details of items 1 – 4 to suit various classes Endorsed: for ex-GERy standard mud door, see Dg No 3507; for B12/3 mud door, see Dg No 32454	- .9.55	1955	-	-	PT	D 037	-
39023	Proposed Machining of Flats on Crankpin Caps	6" to 1' details of two components	- .9.55	1955	-	B12/3 N7	PT	D 066	-
39026	Temporary Boiler-Romford (Eng Class D16/3)-Alterations to Driving Axleboxes-(Additional Sideplay on Curves on Site)	6" to 1' details of alterations My comment: D16/3 (probably engine No 62536) was used as stationary boiler. Extra play on driving axle to get engine into site	-	1955	-	D16/3	PT	D 030	-
39027	Sketch of Wheel Centre-Right Leading-Eng. No 64775 J39	Unscaled sketch shows fractured tyre rivets, spokes scored, etc. My comment: looks like horn bolt worked out, or similar, and struck wheel	- .12.55	1955	-	J39	PT	D 044	-
39028	Fractured Tyre-Eng No 64775	6" to 1' and full size details of right-hand leading tyre, fitted 9.49	- .12.55	1955	-	J39	PT	D 063	-
41380	Engineman's Torch	Full size elevations, section and plan of paraffin flare type made from "copper soft" steel	- .2.45	1945	-	-	PT	D 040	-
42446	Diesel Railcars Repairs	Diagrammatic proforma sheet to log repair dates of railcars	11.9.62	1962	-	-	PT	D 030	-
42447	Craven Railcars-Electrical Connections-View of Coupling Heads from End of Vehicle	Four sets of diagrams showing pin and circuit numbers	19.9.62	1962	-	-	PT	D 013	-
42450 A	Proposed Arrangement of Timber Cell Box-Wickham Rail Cars-Driving Vehicle	3" to 1' side and end elevations and full size constructional details	8.10.62	1962	-	-	PT	D 013	-

## THE GERS DUPEN COLLECTION OF STRATFORD WORKS DRAWINGS

### LOCOMOTIVES Part 2 Dg Nos 26001 to 42450A

This document comprises the following files:



**Dupen 019 (Part) to 039**  
**Dupen from NRM Locos 1 (part)**  
**Dupen from NRM Locos 2 (part)**  
**Dupen from NRM Locos 3 (part)**

**Edited by John Watling June 2005**