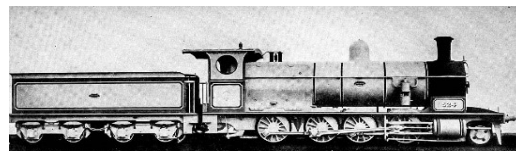


# NSWGR D50 class drawing list

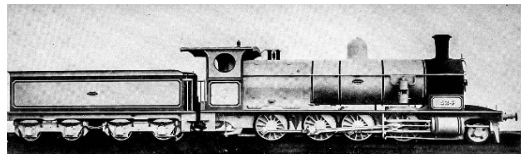
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<b>Drg No.</b>	<b>Title</b>
38616	Axle, driving
38622	Axle, intermediate
38623	Axle, leading & trailing
38617	Axle, tender bogie
30212	Axlebox, driving [also D53 class]
46612	Axlebox, driving, keep
66993	Axlebox driving, liners [D53]
66994	Axlebox driving, liners [D53]
66995	Axlebox driving, liners [D53]
30213	Axlebox, leading & intermediate [also D53 class]
17907	Axlebox, leading & intermediate, keep
39849	Axlebox, tender bogie
30214	Axlebox, trailing [also D53 class]
39899	Axlebox, trailing, wear plate
31689	Back end arrangement
5493	Blast pipe
16443	Blast pipe
16439	Blast pipe
41504	Blast pipe, projections [D53 & D55]
6040	Blower casting
19067	Boiler, anti-priming arrangement [also D53 class]
19068	Boiler, anti-priming arrangement [also D53 class]
5499	Boiler arrangement
12967	Boiler, ashpan, flusher
46208	Boiler, back tubeplate
5514	Boiler, brick arch arrangement
50432	Boiler, brick arch arrangement
26956	Boiler, brick arch arrangement
50189	Brick arch wall stays
18200	Boiler, clack box
24880	Boiler, clack box, Nathan, arrangement
24882	Boiler, clack box, Nathan, arrangement
14190	Boiler, clack box on barrel, delivery pipe
20706	Boiler, clack box on front of barrel
9421	Boiler, clack box & steam valve
12079	Boiler, cleaner, Hulburd's mechanical
4826	Boiler, clothing & pipe arrangement [2 microfilms]
62031	Boiler, crown stays, standard 7/8in dia. Straight head
62030	Boiler, crown stays, standard 7/8in dia. Tapered head
62032	Boiler, crown stays, tapered type [D53,D55]
5505	Boiler, dome arrangement
68528	Boiler, expansion bracket cover strip
68524	Boiler, expansion bracket lubrication
5309	Boiler, firebox arrangement
9376	Boiler, firebox fixings
22972	Boiler, firebox fixings
37038	Boiler, firebox fixings

# NSWGR D50 class drawing list



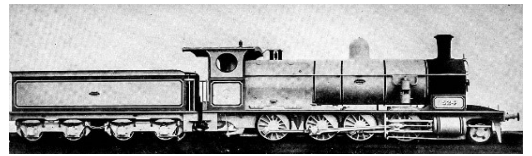
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30546	Boiler, firegrate arrangement
65031	Boiler, firegrate, column [D53 & D55]
10054	Boiler, firegrate, rocking from compensating beam
15517	Boiler, firegrate, rocking type
36102	Boiler, firegrate, Rosebud type, front section
65074	Boiler, flue tube, copper
65216	Boiler, flue tube, copper, end
66419	Boiler, flue tube, copper, end
65215	Boiler, flue tube, safe-ending, copper
46207	Boiler, front tubeplate
23451	Boiler, internal steam pipe
32929	Boiler, internal steam pipe
36950	Boiler, old standard, arrangement
36962	Boiler, old standard, back plate, copper
36963	Boiler, old standard, back plate, steel
36949	Boiler, old standard, firebox arrangement
36950	Boiler, old standard, firebox cross sections
36103	Boiler, old standard, firegrate carrier
36204	Boiler, old standard, firegrate, Rosebud
36959	Boiler, old standard, foundation ring
36952	Boiler, old standard, front tubeplate
38254	Boiler, old standard, internal steam pipe
36954	Boiler, old standard, palm stays
37217	Boiler, palm stays
45635	Boiler, regulator, pilot valve modifications
38245	Boiler, regulator valve rod & eccentric
67448	Boiler, safety valve seating
16062	Boiler, scum cock arrangement [also D53]
67928	Boiler, standard, barrel stud positions
60793	Boiler, standard, brick arch arrangement
55008	Boiler, standard, copper firebox tubeplate
40776	Boiler, standard, foundation ring [only 5 made]
40773	Boiler, standard, firebox arrangement, steel
67929	Boiler, standard, firebox stud positions
50433	Boiler, standard, firebrick #1
50434	Boiler, standard, firebrick #2
50435	Boiler, standard, firebrick #3 right & left
50436	Boiler, standard, firebrick #4
50437	Boiler, standard, firebrick #5
50438	Boiler, standard, firebrick #6
50439	Boiler, standard, firebrick #7
67856	Boiler, standard, internal steam pipe
60692	Boiler, standard, internal steam pipe packing ring
62134	Boiler, standard, saturated type, weight & centre of gravity
42878	Boiler, standard, seating & flanges
67450	Boiler, standard, sling stay carrier
56087	Boiler, standard, weight & centre of gravity
39380	Boiler, throatplate, flanging, diagram

# NSWGR D50 class drawing list



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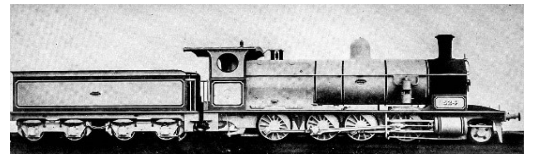
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39314	Boiler, throatplate, flanging, diagram
38275	Boiler, trepanning tool for arch tube ferrule holes
20973	Boiler, tubeplates
26265	Boiler, tubeplates
22200	Boiler, tubeplates
15925	Boiler, tubeplates & stays
37463	Boiler, tubeplates, flanging diagram
18073	Boiler tubeplate, wrought iron
64352	Boiler, wall stays, copper, flexible
26572	Boiler, water gauge & shut off lever
75929	Brake gear, arrangement
50327	Brake gear, brake beams
44095	Brake gear, cylinder 13in. Dia. Application
5472	Cab arrangement
48017	Cab, blackout screens
13783	Cab, canvas awning
23496	Cab, canvas weather screen
18227	Cab, fixings
34932	Cab, fixings, drifting gauge arrangement
33536	Cab, roof to suit turret tender
5492	Chimney [also D53, D55 classes]
X	Compressor
45809	Compressor, cross-compound type, application
45960	Compressor, cross-compound type, bracket
67990	Compressor, Nathan lubricator
15966	Compressor, silencer
47301	Compressor, silencer
47218	Compressor, silencer, arrangement
5422	Connecting rod, big end [also D53 class]
74240	Connecting rod, big end ring spanner
10064	Cow catcher
28513	Cow catcher
66168	Coupling & connecting rods, pin feeds
48211	Crankpin, driving, collar
37376	Crankpin, modification
66589	Crosshead, extractor
41678	Crosshead, Laird type, arrangement
41680	Crosshead, Laird type
41681	Crosshead, Laird type, details
65733	Crosshead slipper mould
14059	Cylinder, back cover
73320	Cylinder, boring machine, back cover bracket, saturated engines
73393	Cylinder, boring machine, bottom front bracket, saturated engines
73218	Cylinder, boring machine, bottom front bracket, saturated engines
73392	Cylinder, boring machine, top front bracket, saturated engines
73217	Cylinder, boring machine, top front bracket, saturated engines
72514	Cylinder, boring machine, back bracket, superheated engines
14740	Cylinder, by-pass valve arrangement

# NSWGR D50 class drawing list



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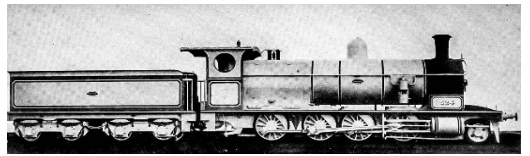
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15931	Cylinder, by-pass valve positions
23106	Cylinder, cock drains
76873	Cylinder, cock valve
31011	Cylinder, cover, alterations to suit bullring type piston head
66714	Cylinder, drain valve
6244	Cylinder, front cover
39011	Cylinder, front cover
16679	Cylinder, outside admission type
14054	Cylinder, piston valve type
5394	Cylinder, slide valve type
14057	Cylinder, tail rod & casing
24711	Cylinder, tail rod bush & casing
9387	Cylinder, valve chest (also D53 class)
14343	Depot plate
X	Diagram, Beyer Peacock Ltd.
4876	Diagram
31690	Drawgear, drawbox casting
34964	Drawgear, drawbar
26172	Drawgear, hook, front arrangement
31847	Drawgear, intermediate drawgear castings
33967	Electric light arrangement
29339	Feed water heater
75570	Frame, drilling
75519	Frame, profile
15360	Frame, stretcher to suit new cylinders
9510	General arrangement, side elevation
9511	General arrangement, plan view
55855	Gudgeon pin, improved [D53 & D55]
74200	Gudgeon pin, ring spanner
5462	Handrails & lamp brackets
5463	Hind end arrangement
12031	Injector, delivery pipe inside firebox
40180	Injector, delivery pipe shield plate
15084	Injector, exhaust type, arrangement
20496	Injector, exhaust type, arrangement
5528	Injector, Gresham type
47773	Injector, starting valve
19078	Injector, superheater type [also D53 class]
20204	Injector, superheater type [also D53 class]
10494	Jack, 20 ton capacity
X	Load & speed graphs
15104	Lubricator, Cooper's mechanical
13819	Lubricator, Klingers automatic
34223	Lubrication, underfeed arrangement
15000	Lubricator, York pressure type
46879	Marker light arrangement
76221	Outline [Beyer Peacock drg]
4826	Pipe arrangement [2 microfilms]

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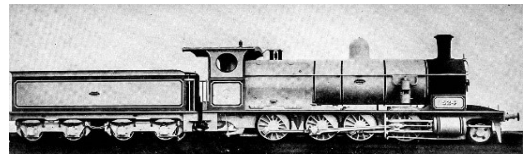
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17326	Piston rod, lubricator
5400	Piston rod, packing
24890	Piston rod, packing, King type
37410	Piston rod, packing, King type
14560	Piston rod, packing & lubricator
5475	Pony truck, arrangement
5655	Pony truck, flange watering arrangement
67855	Pony truck, king post cover [D53 & D55]
75465	Pony truck, king post bush, modification
40954	Pony truck, swing links [D53 & D55]
26178	Rail cleaner, brush, application of air jet
36746	Sand gear, pneumatic, arrangement
24983	Sand gear, sand box, trailing, arrangement
20473	Sand gear, rear
5421	Slidebars [also D53 class]
39074	Smokebox, alterations to suit standard boiler
5375	Smokebox arrangement
5490	Smokebox arrangement
14136	Smokebox arrangement
23291	Smokebox arrangement
16792	Smokebox, door, cast iron type
68556	Smokebox, door contour gauge
33508	Smokebox, door ramp
26016	Smokebox, extended, door
18703	Smokebox, front, cast iron
9385	Smokebox shell
13079	Smokebox shell
18670	Smokebox shell
20381	Smokebox shell, extended
70271	Smokebox, spark arrester, device
70272	Smokebox, spark arrester, device
17400	Smokebox, steam pipes, alteration
59560	Smokebox, suit standard boiler
13186	Speedometer drive
X	Spring arrangement
30658	Spring gear, hanger & axlebox keep door
22807	Superheater, header
19882	Superheater, Lucy type, arrangement
12514	Superheater, smokebox type, arrangement
12515	Superheater, smokebox type, arrangement [2 microfilms]
12527	Superheater, smokebox type, arrangement [2 microfilms]
4840	Tender, arrangement
5532	Tender, bogie arrangement
42766	Tender, bogie spring compensating beam maintenance
40683	Tender, brake gear, hanger
30624	Tender, brake gear, shoe head
44611	Tender, marker light position
147	Tender, proposed

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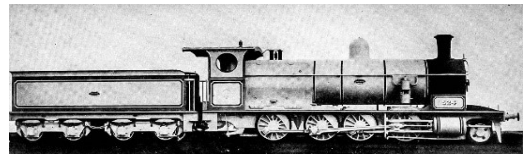
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65003	Tender, radial buffer, draw pin
47601	Tender, radial buffer, wedge carrier
62616	Tender, radial buffer, wedge pin
44136	Tender, screw coupling used with automatic couplers
15657	Tender, spectacle plate
59091	Tender, standard, diagram
59100	Tender, standard, arrangement
59138	Tender, standard, bogie arrangement
59128	Tender, standard, underframe
32088	Tender, turret type, arrangement
32033	Tender, turret type, bogie
32094	Tender, turret type, bogie brake details
30479	Tender, turret type, bogie, mild steel details
31793	Tender, turret type, brake gear arrangement
31977	Tender, turret type, brake gear arrangement
44279	Tender, turret type, brake gear, reversal of brake shoe hanger pin
31866	Tender, turret type, buffer beams
38443	Tender, turret type, front mile steel details
38391	Tender, turret type, intermediate drawgear
40712	Tender, turret type, kit box alteration
30472	Tender, turret type, mild steel pressings
25065	Tender, turret type, tank
31932	Tender, turret type, underframe
31781	Tender, turret type, underframe alterations
5540	Tender, underframe
61402	Tender, water cock, body
30281	Tender, water filling hole height
14075	Valve gear, eccentric sheaves
14074	Valve gear, eccentric straps
50478	Valve gear, eccentric strap, altered oilways
26164	Valve gear, piston valve, 9in. dia.
21786	Valve gear, piston valve, 11 1/2in dia.
16439	Valve gear, piston valve & blast pipe
16680	Valve gear, piston valve, outside admission type
76434	Valve gear, reversing screw
5434	Valve gear, reversing shaft (also D53 class)
68666	Valve gear, valve crosshead [D53 & D55]
68697	Valve gear, valve crosshead cotter [D53 & D55]
20186	Valve gear, piston valve, ring, outside admission
8184	Valve gear, piston valve with solid rings
5439	Valve gear, valve events
75316	Valve gear, valve liner
51659	Wheel, driving, balanced type [D53 & D55]
5407	Wheel, driving, flangeless
40108	Wheel, tyre sections [D53 & D55]
22977	Whistle, chime, position
13142	Whistle, single tone

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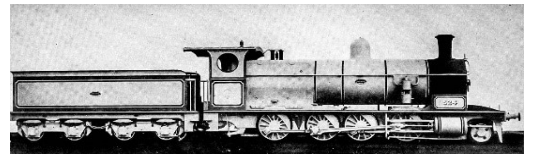
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## LOCOMOTIVE BUILDERS DRAWING NUMBERS

Title	DUBS	NORTH BRITISH	NEILSON
Abestos lagging	-	84	-
Axle, pony truck	-	78	85
Axles, tender	96	103	90,145,147
Axlebox, leading & intermediate	54	-	-
Axlebox, driving	54	59,60	91-94
Axlebox, guides	58	63	57-58
Axlebox, tender	95	102	144
Axlebox, trailing	56	61	-
Axlebox, truck	72	76,77	-
Blast pipe	21	19	32,33,125
Boiler, ashpan arrangement	-	14	20
Boiler, ashpan, damper details	-	15	21
Boiler, blow-down valve	-	71	36
Boiler, brick arch arrangement	9	12	18
Boiler, clothing	75	80	139
Boiler, clothing, details	77	-	138,141
Boiler, crown stays	-	8	8,14
Boiler, dome clothing	-	83	-
Boiler, dome, longitudinal stays	-	7	9-10
Boiler, dome safety valve	-	-	23
Boiler, firebars & carriers	-	16	19
Boiler, firebox	-	3	11
Boiler, firebox, clothing	76	81,82	140
Boiler, firebox steady casting	-	-	70
Boiler, firehole, door	10	9	15,16
Boiler, firehole door, details	-	10	-
Boiler, firehole door shield	-	13	17
Boiler, firehole ring	-	11	-
Boiler, foundation ring	-	6	12-13
Boiler, joints	-	-	7
Boiler, mountings	69	-	-
Boiler, mudhole door	-	-	28
Boiler, regulator, details	-	21	24-26
Boiler, regulator, stuffing box	-	22	-
Boiler, safety valve arrangement	18	69	22
Boiler, seatings	-	4-5	-
Boiler, shell	-	2	6
Brackets & fittings, engine	83	-	121-124
Brake gear, brake beams & hangers	-	87	135
Brake gear, brake hanger bracket	-	86	133
Brake gear, pipe valve & details	-	90-91	136
Brake gear, pull rods	-	88	134
Brake gear, brake shaft carrier	-	85	-
Brake gear, brake shoe	79	86	131
Buffer beam	-	-	46
Cab, arrangement	51	56	73

# NSWGR D50 class drawing list



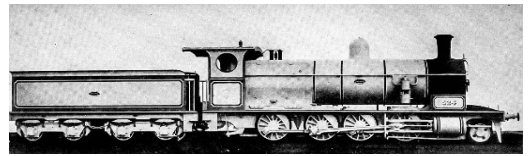
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Cab, details	52	57	74-75
Cab, platform	-	50	50-52
Chimney	-	19	35
Connecting rod, ends	29	31-32	104-105
Coupling rod, intermediate	31	34	106
Coupling rods, leading & trailing	30	33	107
Crankpins	33	37	101
Crosshead	27	29	102
Cylinders	22	23	95
Cylinder, cock details	67	72,74	37-38
Cylinder, covers	25	24-26	97
Cylinder, valve steam chest	-	-	98
Drawgear, screw coupling	-	-	72
Drawgear, drawbars	-	-	69
Drawgear, front hook	49-50	53	67-68
Drawgear, hooks	-	54	-
Fooplate, footstep	45	47	49
Footplate, support	-	-	50-53
Frame	40	44	45
Frame, details	41	45	-
Frame, stays	43	-	-
Frame, stretcher	42	46	53
General arrangement	1	1	1,2
Handrail, details	53	58	76
Handbrake, details	78	87	130,132
Headlight, kerosene type	84	92	-
Horncheeks	57	62	56
Hornstay	-	-	54
Injector	-	68	-
Injector, Greshams	65-66	-	119-120
Intermediate rubbing block	48	53-55	47,71
Lubricator	-	73A	-
Oilboxes	59	-	128-129
Pipe arrangement	5,63	67	4
Piston rod, packing	26	27	101
Piston rod & valve stuffing box	-	28	99
Platform, cab, arrangement	44	49	48
Pony truck, arrangement	70	75	39
Pony truck, details	73-74	78-79	40-44
Pony truck, spring	71	-	65-66
Sand gear, sandbox arrangement	46	51	79
Sand gear, sandbox details	47,89	52,97	80-81
Slidebar bracket	-	47	55
Slidebars & valves	28	27,30	100
Smokebox arrangement	15	17	29
Smokebox details	17	18	30,31
Smokebox, spark arrester	-	20	34
Smokebox, tee steampipe	-	-	27



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Splashers, guard irons	-	48	77-78
Springs, driving	60-61	64-65	59-61
Spring gear, rigging	62	66	62-64
Tender arrangement	86	94	3
Tender, brake hangers	80	-	156,158
Tender, bogie arrangement	94	101,104	-
Tender, brake details	97-98,105-107	-	146
Tender, brakcets	-	-	154,159,160
Tender, brake shaft	-	-	155
Tender, brake pull rods	81	-	157
Tender, brake shoe	-	-	156
Tender, draw hook & buffers	92-93	100	-
Tender, feed valve details	90	98	153
Tender, filling hole	-	-	149
Tender, handrails	-	-	143
Tender, lifting shackle	-	-	150
Tender, marker lights, kerosene	-	-	162
Tender, reservoir	82	89	137
Tender, sandboxes	-	-	151-152
Tender, springs	96	103	90,145,147
Tender, tank arrangement	87	95-96	148
Tender, underframe & brake arrangement	91	99	142
Tools, lamp holder	85	93	-
Tyre, watering	-	97	-
Valve gear, arrangement	34	38	118
Valve gear, motion details	35-37	39-40	108-110,115-117
Valve gear, reach rod & reversing shaft	-	-	113-114,126
Valve gear, reversing screw	38	42	111
Valve gear, reversing screw details	39	41	112
Wheels, driving	32	35-36	82-84,86-89
Wheel, pony truck	-	78	85
Wheels, tender	96	103	90,145,147
Whistle	68	70	127