

No. 1794

TESTS OF BOILER STEEL.

Tests of 62 Steel plates manufactured by David Colville & Sons of Motherwell for Boiler Nos 217-8 to be constructed by W.B. Thompson of Dundee. for S.S. No 59. building by W.B. Thompson.

Date first visit 26.3.84 last visit 10.4.84 No. of Visits 3.

The steel plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 7 samples as set forth below, and the temper and bending tests to a sample taken from each of the plates advised, all of which proved satisfactory.

No.	Purpose.	Charge Mark	No. of plates or bars in same charge	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1.	4.2 dr x 7/8	9282	✓	1956	.91	1.65	1.501	42.36	28.2	32.1	
2.	12.6 x 6 1/4 x 7/16	H326	✓	4508	.695	1.58	1.098	30.28	27.6	26.5	
3.	11.6 x 48 x 3/4	K87	✓	4564	.39	1.698	.662	18.96	28.6	25.5	
4.	12.4 x 21 1/2 x 9/16	B102	✓	4720	.57	1.68	.957	27.7	28.9	25.5	
5.	14.5 3/4 x 60 1/4 x 15/16	B105	✓	5326	.925	1.43	1.322	38.87	29.4	28.	
6.	14.5 3/4 x 60 1/4 x 15/16	76524	✓	5980	.9	1.61	1.449	42.82	29.5	28.5	
7.	14.3 3/4 x 60 1/4 x 15/16	9307	✓	738	.985	1.3	1.28	38.34	29.9	23.	

Im 24/4/84

Fee £ : :

Expenses £ : :

£ : :

To be paid by D. Colville & Sons.

CE Burney
Surveyor, Lloyd's Register, 28/4/84.

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