

No. 1010.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office, 12/7/83)

TESTS OF BOILER STEEL.

Tests of 96 Steel Plate manufactured by Messrs J. & W. Beardmore of Partickhead for Boiler No. 168 to be constructed by Messrs D. J. Dunlop & Co. of Port Glasgow for their S. S. No. 168.

Date first visit May 14 1883 last visit June 13 1883 No. of Visits 6

The 96 Plate specified in the accompanying copy of Advice Notes were rolled from 53 charges. The tensile test has been applied to 13 samples as set forth below, and the temper and bending tests to a shearing from each plate with satisfactory results

When a second test is applied, the result should be recorded immediately below the record of the original test. The number of plates or bars included in a rejection must be clearly stated.

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	4-6 x 4 1/2 x 7/16	7138	3	838	47	136	639	17.27	27.	29.	
2	6-7 1/2 x 53 x 1/8	1138	2	1240	74	124	927	26.6	28.6	26.	
3	4-7 x 57 x 1/8	1072	1	1259	64	124	803	21.78	24.1	24.	
4	6-6 x 32 1/2 x 1/8	1027	2	1287	57	146	744	21.26	28.5	26.	
5	5-5 x 64 x 1/16	1332	2	1410	68	127	863	23.3	24.0	29.	
6	7-7 x 57 x 5/16	940	1	1421	77	124	954	24.47	28.7	26.	
7	6-7 1/2 x 53 x 3/8	10161	2	1811	77	128	985	26.44	26.8	30.	
8	5-3 x 32 1/2 x 5/16 x 3/8	10154	2	1544	55	143	715	18.73	26.1	25.	
9	6-6 x 53 1/4 x 3/8	1139	16	1195	54	137	528	14.78	26.9	25.	
10	4-6 "diamond" x 7/16	13143	2	1064	52	145	783	21.3	27.2	30.5	
11	6-11 x 81 x 7/16	9131	1	1965	57	145	826	22.77	24.5	32.	
12	7-7 x 57 x 5/16	10156	1	1176	6	125	75	20.84	24.5	27.	
13	5-3 x 32 1/2 x 1/2	7159	1	1480	52	146	759	20.92	24.5	30.	

Fee £ : :

Expenses £ : :

£ : :

To be paid by The Steel Manufacturers.

Surveyor, Lloyd's Register,

Glasgow