

No. 1400

## LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office,

## TESTS OF BOILER STEEL.

Tests of 71 Steel plates manufactured by Messrs. J. & W. Macdonald of Parkhead, Glasgow for Boiler No. 289 to be constructed by Messrs. Jno. Elder & Co. of Glasgow for Messrs. Jno. Elder & Co. L.L. No. 289

Date first visit 27/2/84 last visit 12/3/84 No. of Visits 2

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

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.		
	8.0 x 55 1/2 x 1/2	K 52	948	.52	1.52	.79	21.71	27.4	29		
	5.3 1/2 x 55 1/2 x 1/6	A 4	22	.66	1.29	.851	24.00	28.0	30		
	4.4 1/2 x 29 x 9/16	D 18	995	.57	1.26	.718	19.59	27.2	28		
	5.3 1/2 x 55 1/2 x 1/16	A 12	26	.68	1.26	.856	23.66	27.6	30		
	17.9 x 70 1/2 x 1/16	D 15	97	.73	1.28	.934	27.00	28.9	25		
	6.9 x 27 x 1/2	B 339	2994	.47	1.26	.592	17.00	28.7	28		
	— — — — —	K 52	2996	.51	1.52	.775	21.10	27.2	26		
	12.11 1/2 x 58 1/2 x 1	F 4	224	1.00	1.02	1.02	29.25	28.6	27		
	17.6 x 74 x 9/16	K 334	323	.58	1.27	.736	20.55	27.9	25		

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

Messrs. J. &amp; W. Macdonald

Surveyor, Lloyd's Register,

Glasgow