

Glasgow Report No. 6422.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

No. 1400

(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. S.S. 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.

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.		
	8.0 x 55/2 x 1/2	K 52	948	.52	1.52	.79	21.71	27.4	29		
	5.3/2 x 55/2 x 1/6	A 4	22	.66	1.29	.851	24.00	28.0	30		
	4.4/2 x 29 x 9/16	D 18	995	.57	1.26	.718	19.59	27.2	28		
	5.3/2 x 55/2 x 1/6	A 12	25	.68	1.26	.856	23.66	27.6	30		
	17.9 x 70/2 x 1/6	D 15	97	.72	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		
	12.11/4 x 58/2 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	.766	20.55	27.9	25		

W. J.
17/3/84

Fee £ : :
Expenses £ : :
£ : :

J. M. 18/3/84

Lloyd's Register
 Surveyor, Lloyd's Register
 Foundation

To be paid by Messrs. J. & W. Macdonald Glasgow 17/3/84