

# Glasgow Report No. 6802

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING

No. 1194

(Received in London Office, 29 APR. 84)



## TESTS OF BOILER STEEL.

Tests of 172 Steel plate manufactured by Messrs. J. & W. Beardmore of Parkhead, Glasgow for Boiler No. 244 to be constructed by the London & Glasgow Co. of Glasgow for the London & Glasgow Co. S.S. No. 244

Date first visit 27/2/84 last visit 26/3/84 No. of Visits 6

The plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 17 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.		
	5.1 x 44 x 13/32	B31		952	.49	1.49	.73	19.2	26.3	34	
	7.6 1/2 x 78 1/8 x 7/32	A3		962	.56	1.49	.834	23.6	28.2	30	
	5.9 1/2 x 44 x 13/32	D21		994	.52	1.48	.769	20.9	27.1	24	
	15.4 x 62 x 3/4	D12		9	.75	1.24	.93	26.25	28.2	30	
	6.0 x 43 x 1 1/16	K9		951	.69	1.25	.862	24.47	28.3	31	
	5.9 1/2 x 44 x 13/32	K18		61	.45	1.33	.598	17.	28.4	29	
	8.7 x 54 3/4 x 7/32	A15		42	.51	1.34	.682	18.5	27.	31	
	65 dia 2 x 58	D16		106	.63	1.33	.837	23.5	28.	29	
	14.9 x 70 x 7/8	A26		337	.85	1.1	.935	25.45	27.2	30	
	" " "	B36		321	.86	1.1	.946	25.87	29.4	24	
	5.1 x 13 7/8 x 13/16	K1		339	.81	1.25	1.01	28.	27.7	21	
	7.7 1/2 x 78 x 84 x 7/8	A6		461	.65	1.23	.799	22.6	28.2	22	
	14.9 x 70 x 7/8	A10		544	.85	1.	.85	23.76	27.9	22	
	14.7 1/4 x 70 x 7/8	F40		676	.89	1	.89	25.12	28.2	24	
	5.10 1/4 x 13 7/8 x 13/16	D31		582	.82	1.21	.992	27.38	27.6	27	
	6.6 x 5 x 1 1/16	K33		986	.45	1.51	.679	18.45	27.1	30	
	5.1 x 13 7/8 x 13/16	K46		226	.8	1.04	.832	22.2	26.6	30	

2.5

Fee ..... £ : :  
 Expenses £ : :  
 £ : :

To be paid by Messrs. J. & W. Beardmore

Wm. Andrews  
 Surveyor, Lloyd's Register,  
 Glasgow

26/4/84