

Glasgow Report N^o. 6554.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING

No. 1112.

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16 AUG. 83

LONDON

TESTS OF BOILER STEEL.

Tests of 106 Steel Bars manufactured by Messrs. J. & W. Beardmore of Parkhead, Glasgow for Boiler No. 391 to be constructed by Messrs. R. Napier & Sons of Glasgow for Messrs. R. Napier & Sons' S.S. N^o. 391

Date first visit 11/7/83 last visit 27/7/83 No. of Visits 3

The Bars specified in the accompanying copy of Advice Notes were rolled from 3 charges. The tensile test has been applied to 10 samples as set forth below, and the temper and bending tests to a sample cut from each bar, 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.	%	
1	Stays 1 3/8 dia?	1372	40	1	1 diameter		.7854	21.38	27.2	29	
2	" " "	"	"	9	"	"	"	22.04	28.	31	
3	" 1 1/2 "	"	"	11	"	"	"	21.7	27.6	27	
4	" 2 1/2 "	7151	34	1	"	"	"	21.5	27.3	28	
5	" " "	"	"	12	"	"	"	21.65	27.5	31.5	
6	" " "	10283	32	19	"	"	"	21.75	27.7	30	
7	" " "	"	"	28	"	"	"	21.2	27.	29	
8	" " "	"	"	23	"	"	"	21.35	27.1	30	
9	" " "	7151	"	16	"	"	"	21.86	27.8	29	
10	" " "	"	"	15	.99	"	.7697	22.07	28.6	31	

Note. These bars were rolled in 39 lengths.

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.

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Messrs. J. & W. Beardmore

Surveyor, Lloyd's Register,

Glasgow

D.S.
17/8/83

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Mr. Andrew

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15/8/83