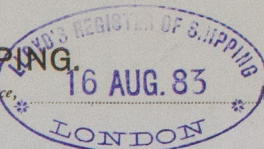


No. 1113

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING

(Received in London Office)



TESTS OF BOILER STEEL.

Tests of 238 Steel Bars manufactured by Messrs. J. & W. Beardmore of Parkhead, Glasgow for Boiler No. to be constructed by Messrs. Gourlay Bros. of Dundee for Messrs. Gourlay Bros. S.P. Free & Noland

Date first visit 3/8/83 last visit 6/8/83 No. of Visits 2

The Bars specified in the accompanying copy of Advice Notes were rolled from 1 charge. The tensile test has been applied to 7 samples as set forth below, and the temper and bending tests to a sample cut from each bar, 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	Rivet-bar 1 1/2 dia.	K24	238	55	.8 diameter		.5026	13.85	27.5	31	
2	" " 1 1/4 "	"		83	.68	"	.3632	10.14	27.9	29	
3	" " 3/4 "	"		92	.73	"	.4185	11.65	27.8	32	
4	" " 1 1/8 "	"		73	.8	"	.5026	13.84	27.5	30	
5	" " 3/4 "	"		107	.73	"	.4185	11.91	28.4	29	
6	" " 1 1/4 "	"		56	.8	"	.5026	13.9	27.6	31	
7	" " 1 1/2 "	"		69	.67	"	.3526	10.	28.3	33	

Note. These bars were rolled in 40 lengths.

D.F.
17/8/83

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Messrs. J. & W. Beardmore Glasgow

DUN110-0163

15/8/83



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W. M. Andrews

Surveyor, Lloyd's Register