

No. 1113

(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 & Moreland
 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 3/16 dia.	K241	238	55	.8 diameter	.5026	13.85	27.5	31		
2	" " 1/16 "	"	"	83	.68 "	.3632	10.14	27.9	29		
3	" " 3/4 "	"	"	92	.73 "	.4185	11.65	27.8	32		
4	" " 1/8 "	"	"	73	.8 "	.5026	13.84	27.5	30		
5	" " 3/4 "	"	"	107	.73 "	.4185	11.91	28.4	29		
6	" " 1/8 "	"	"	56	.8 "	.5026	13.9	27.6	31		
7	" " 1/16 "	"	"	69	.67 "	.3526	10.	28.3	33		

Note. These bars were rolled in 40 lengths.

D.F.
17/8/83

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Fee £ : :
 Expenses £ : :
 £ : :

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

Wm. Andrews
 Surveyor, Lloyd's Register
 Foundry
 15/8/83