



No. 8099

(Received at London Office)

TESTS OF BOILER STEEL.

Tests of 14 Steel plates manufactured by Messrs. N. Beardmore & Co. of Parkhead for Boiler No. 868 to be constructed by Messrs. J. Richardson & Son of Hartlepool for the S.S. No. 289 building by Messrs. R. Dixon & Co. of Middlesbrough.

Date first visit 9<sup>th</sup> July. last visit 10<sup>th</sup> July No. of visits <sup>Constant</sup> attendance.

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 4 samples as set forth below, and the temper and bending tests applied to piece cut off 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.	Description	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	7.4 x 74 x 5/8	M 223		351	.67	1.26	.844	23.2	27.4	22.0	
2	12.8 x 48 1/2 x 13/16	D 174		365	.82	1.21	.992	24.95	25.1	31.0	Rejected one plate.
3	17-11 1/2 x 67 x 15/16	A 107		376	.9	1.1	.99	27.25	27.4	27.0	
	" " "	"		"	.9	1.11	.999	28.0	28.0	25.0	
4	4.0 x 33 x 9/16	D 174		378	.56	1.26	.705	18.6	26.3	29.0	

M  
16.7.88

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

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 Mr. Johnston  
 Surveyor, Lloyd's Register,  
 Glasgow 10/7/88