

No. 6842

(Received at London Office,

## TESTS OF BOILER STEEL.

Tests of 24 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 344.5 to be constructed by Messrs W. King & Co. of Glasgow for Messrs Workman Clark & Co. S.S. No. 55/6.

Date first visit March 8<sup>th</sup> 1888 last visit March 13<sup>th</sup> 1888 No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 3 samples as set forth below, and the temper and bending tests to a shearing from each plate 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	Front Tube Plate B302			1908	.75	1.04	.780	22.78	29.2	25.0	
2	Doubling Plates P273			1277	.68	1.74	1.183	31.60	26.7	24.0	
3	Back Tube plate Side H595			2222	.75	1.68	1.260	35.88	28.4	21.5	

D.F.  
2/3/88

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D.F.  
20/3/88

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register,

13.3.88