

TESTS OF BOILER STEEL.

Tests of 25 Steel Plate manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 381 to be constructed by Messrs James Howden & Co of Glasgow for Messrs Harland & Wolff's S.S. No. 213.

Date first visit May 23<sup>rd</sup> 1885 last visit May 28<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	13.9 1/2 x 55 1/2 x 1/2	347		4898	.49	1.29	.632	18.80	29.7	21.5	
2	4.6 Rad x 56 x 7/8	2459		5122	.62	1.63	1.010	29.00	28.7	23.5	
3	4.6 1/2 Rad x 50 1/2 x 7/8	C215		4809	.64	1.83	1.171	33.13	28.2	23.5	

5/6/88

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.

30.5.88