

No. 4696

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of ¹⁰⁷3 } Bars
Steel Plate manufactured by Messrs D. Colville & Sons of Motherwell
for Boiler No. 379/80 to be constructed by Messrs Jas Howden & Co of Glasgow
for Messrs Harland & Wolff's S.S. No. 213.

Date first visit May 22nd 1888 last visit May 26th 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 & to a
piece from one of the bars 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	Stay Bars 2 5/8 Dia	D50			23	1.38	Dia 1.496	44.02	29.4	21.5	
2	9.10 x 32 x 5/8	C186			39.29	.63	1.651	0.39	29.10	28.0	23.0
3	21.11 x 63 1/4 x 1 1/4	H674			45.64	1.26	1.051	3.23	37.53	28.4	23.0

5/6/88

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.

29.5.18