

TESTS OF BOILER STEEL.

Tests of 9 Steel plates manufactured by The Steel Co of Scotland of Glasgow for Boiler No. 241 to be constructed by J & W Thomson of Glasgow for S.S. No 241 building by J & W Thomson

Date first visit 10<sup>th</sup> Nov last visit 18<sup>th</sup> Nov 1887 No. of visits 5

The plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 9 samples as set forth below, and the temper and bending tests to samples representative of each plate advised 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	9-6 1/2 Dia x 3/4	B298		8700	.79	1.33	1.043	31.0	29.7	20.5	
2	Shell	-		8823	1.29	1.32	1.703	49.8	29.2	21	
3	17-2 x 110 3/4 x 1 3/8	C319		8889	.855	1.13	.966	26.7	27.6	21	
4	24-6 1/2 x 80 1/2 x 1 3/8	K365		8904	1.31	1.06	1.389	39.4	28.3	22	
5	- - -	C319		8912	1.28	1.06	1.357	37.7	27.7	21.5	
6	Shell	B300		8755	1.33	1.18	1.569	45.35	28.9	26.5	
7	24-6 1/2 x 80 1/2 x 1 3/8	J337		8843	1.3	1.17	1.521	42.3	27.8	22.5	
8	- - -	D306		8842	1.3	1.17	1.521	45.2	29.7	21.5	
9	- - -	K363		8847	1.27	1.17	1.486	40.5	27.9	26.5	26.11.87

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by