

(Received at London Office, .....

**TESTS OF BOILER STEEL.**

Tests of 68 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 315 to be constructed by Messrs A. Stephen & Sons of Glasgow for their S.S. No. 315.

Date first visit July 24. 1888 last visit August 9. 1888 No. of visits

The \_\_\_\_\_ specified in the accompanying copy of Advice Notes were rolled from \_\_\_\_\_ charges. The tensile test has been applied to 8 samples as set forth below, and the temper and bending tests to a shearing from 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.	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	Furnace Bottom (D.B.)	Stock			.39	1.77	.690	19.83	28.7	25.5	
2	Comb. Ch. Side (D.B.)	"	3423		.40	1.65	.660	18.08	27.3	26.0	
3	" " Top.	J383	3577		.62	2.45	1.519	41.92	27.5	25.0	
4	" " Bottom	Stock	3889		.84	1.90	1.596	46.15	28.9	29.0	
5	Top Front	D122	4382		1.10	1.19	1.309	36.94	28.2	27.0	
6	" " (D.B.)	Stock	5291		.57	1.71	.974	27.36	28.0	30.0	Ad
7	Comb. Ch. Side (D.B.)	"	5447		.40	1.71	.684	19.40	28.3	25.0	
8	Shell Plate (D.B.)	R51	5449		.45	2.25	1.012	27.66	27.3	25.0	

GLS213-0094

Fee ..... £ : :  
 Expenses £ : :  
 £ : :

To be paid by J.T. Findlay Surveyor, Lloyd's Register.  
W. Hand  
H. M. Dove  
 Glasgow