

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.

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		3423	.39	1.77	.690	19.83	28.7	25.5	
2	Comb. Ch. Side (D.B.)	"		3577	.40	1.65	.660	18.08	27.3	26.0	
3	" " Top.	J383		3889	.62	2.45	1.519	41.92	27.5	25.0	
4	" " Bottom	Stock		4382	.84	1.90	1.596	46.15	28.9	29.0	
5	Top Front	D122		5291	1.10	1.19	1.309	36.94	28.2	27.0	
6	" " (D.B.)	Stock		5447	.57	1.71	.974	27.36	28.0	30.0	
7	Comb. Ch. Side (D.B.)	"		5449	.40	1.71	.684	19.40	28.3	25.0	
8	Shell Plate (D.B.)	R51		1106	.45	2.25	1.012	27.66	27.3	25.0	

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.

Fee £ : :
Expenses £ : :
£ : :

To be paid by

J.T. Findlay
Surveyor, Lloyd's Register.
Glasgow