

No. 1128.

(Received in London Office,

25 AUG. 83

LONDON

TESTS OF BOILER STEEL.

Tests of 63 Steel Plates manufactured by Messrs The Steel Co. of Scotland of Blochairn for Boiler No. 166/70 to be constructed by Messrs Harland & Wolff of Belfast for

Date first visit June 12th 1883 last visit July 31st 1883 No. of Visits 17

The 63 Plates specified in the accompanying copy of Advice Notes were rolled from 31 charges. The tensile test has been applied to 7 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	7.10 x 4.6 x 1.10 x 1.10	1348	2	8794	.71	1.13	.802	22.9	28.5	26.	
2	9.3 x 4.6 x 1.10	C335	2	2530	.5	1.305	.652	17.25	26.4	29.	
3	13.0 x 1.2 x 1.10	11368	6	8970	.78	1.18	.92	27.65	28.9	22.5	
4	4.8 x 2.7 x 1.10	M315	1	9136	.525	1.13	.523	17.1	28.8	26.0	
5	5.7 x 4.10 x 1.10	H356	4	8886	.68	1.15	.782	20.5	26.2	26.0	
6	13.0 x 3.8 x 1.10	J357	1	8719	.84	1.15	.966	26.53	27.4	26.5	
7	9.9 x 1.1 x 1.10	D344	5	4465	.64	1.29	.825	24.20	29.4	26.0	

Fee £ : :

Expenses £ : :

£ : :

To be paid by the Steel Manufacturers.

Surveyor, Lloyd's Register,

24.8.83

Glasgow