

No.

TESTS OF BOILER STEEL.

Tests of 57 Steel plates manufactured by Messrs. John Brown & Co. Sheffield
for Boiler No. to be constructed by Messrs. Harland & Wolff Belfast
for S.S. No. 165.

Date first visit last visit 2.5.83 No. of Visits 1

The plates specified in the accompanying copy of Advice Notes were rolled from 18 charges. The tensile test has been applied to 6 samples as set forth below, and the temper and bending tests to each plate

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	Boilers	506	9	1508	.54	1.63	.88	26	29.5	27	5.6 ³ / ₄ x 2.11 ¹ / ₂ x ⁹ / ₁₆
2		496	12	1511	.5	1.79	.895	25	27.9	28	10.1 x 4.6 ³ / ₄ x ¹ / ₂
3		496	12	1612	.475	1.9	.902	25	27.7	27	8.3 ¹ / ₂ x 2.11 ¹ / ₂ x ¹ / ₂
4		493	3	1533	.95	1.0	.95	28	29.4	26	14.5 ³ / ₄ x 3.10 ⁵ / ₈ x ¹⁵ / ₁₆
5		463	4	1526	.93	1.0	.93	27.75	29.8	25	14.5 ³ / ₄ x 3.10 ⁵ / ₈ x ¹⁵ / ₁₆
6		493	4	1502	.93	1.0	.93	27.75	29.8	26	20.2 ³ / ₄ x 3.5 ³ / ₄ x ¹⁵ / ₁₆

Fee £ : :

Expenses £ : :

£ : :

To be paid by



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David Jones

Surveyor, Lloyd's Register,

London

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S. L. Horn Head
Belfast Report
No 305,3



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