

No. 540

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

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TESTS OF BOILER STEEL

Tests of 16 Steel plates manufactured by The Steel Co. of Scotland for Boiler, No. 207 to be constructed by Messrs. Harland & Wolff of Belfast for the S.S. No. 207 Building by the same firm

Date first visit 27/10/87 last visit 7/11/87 No. of visits 5

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 12 samples as set forth below, and the temper and bending tests to a shearing off each plate, with satisfactory results.

No.	Purpose- Dimensions	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	8-12 x 25 x 7/16	Stock		2864	545	1.33	725	20.55	28.3	26.5	
2	5-7 x 8 1/2 x 3/8	A.304		3012	36	1.14	41	12.15	29.6	27	
3	4-9 7/8 x 5-7 5/8 R x 1/2	D.288		3259	695	1.1	765	22.6	29.5	24	
4	9-4 1/2 x 7 9/16 x "	A.306		3392	7	1.09	763	21.8	28.5	25	
5	5-9 x 12 1/2 x "	D.277		3623	68	1.08	734	19.8	26.9	29	
6	8-9 1/2 x 6 6 1/2 x 7/16	L.256		3766	44	1.29	568	16.2	28.5	24	
7	10-6 x 12 1/2 x 7/8	"		3797	835	1.17	977	26.1	26.7	23	
8	5-9 x 4 8 1/2 x 9/16	F.311		3823	55	1.16	638	27.25	27.0	22	
9	Shell	B.274		9364	1.21	1.21	1.464	42.2	28.8	25	Annealed Cross piece
10				"	1.19	"	1.44	41.3	28.6	24.5	
11	Shell	B.274		9366	1.21	"	1.464	43.15	29.4	27.0	Annealed Cross piece
12				"	1.19	"	1.44	41.8	29.0	25	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.

Glasgow

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THE REGISTER OF BRITISH AND FOREIGN SHIPPING.

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1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation