

TESTS OF BOILER STEEL.

Tests of 12 Steel plates manufactured by The Steel Co. of Scotland of Bochalm
for Boilers No. 241 to be constructed by Messrs J. & W. Thomson of Glasgow
for the S.S. No. 241 building by the same Firm

Date first visit 14/10 last visit 20/10/87 No. of visits 4

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 of 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	S. Straps	H. 253		710	.635	1.16	.737	20.75	28.1	28.5	Rejected 2
2	"	Stock		1544	.615	1.33	.818	25.1	30.6	21	
3	"	G. 301		1737	.64	1.13	.723	20.4	28.2	23.5	
4	C. Ch. Btm	Stock		8840	.5	1.19	.595	16.2	27.2	25	Donkey B
5	"	G. 298		8886	.51	1.4	.714	18.8	26.3	27	
6	Firebox wings	B. 277		1541	.53	1.13	.622	16.8	27.0	29.5	
7	"	D. 277		1544	.535	"	.605	17.2	28.4	21.5	22/10/87
8	Bk. Tube plate	B. 277		1558	.87	"	.983	26.5	26.9	26	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

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J. & W. Thomson
Surveyor, Lloyd's Register.
Glasgow
20/10/87