

No. 696.

TESTS OF BOILER STEEL.

Tests of 36 Steel plates manufactured by the Steel Co. of Scotland of New Lanark Glasgow  
for Boiler No. 183 to be constructed by Messrs McIlwaine & Lewis of Belfast  
for S.S. No 18 building by Messrs McIlwaine & Lewis of Belfast  
Date first visit 8th Dec 1882 last visit 11th Jan 1883 No. of Visits 14

The Steel plates specified in the accompanying copy of Advice Notes were rolled from  
22 charges. The tensile test has been applied to 4 samples as set forth below,  
and the temper and bending tests to samples representative of each  
plate advised, all satisfactory.

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	Shell	A505	2	622	.545	1.175	.64	18.18	28.4	26.5	
2	Back tube plate	U932	2	652	.622	1.175	.73	21.08	28.8	26.5	
3	Shell	537	1	1407	.732	1.2	.878	26.65	29.2	23.4	
4	Shell	248	2	1813	.78	1.21	.943	26.17	27.7	25.7	

D.S.  
12/2/83.

Fee ..... £ : :  
Expenses £ : :  
£ : :

To be paid by the Manufacturers

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Surveyor, Lloyd's Register,  
Glasgow  
9/2/83