

No. 5369.

## TESTS OF BOILER STEEL.

Tests of 7 Steel plates manufactured by The Steel Co. of Scotland of Glasgow  
for Boiler No. 844 to be constructed by Messrs. J. Richardson & Co. of Hartlepool  
for the S.S. "Garth Castle"

Date first visit 30/8 last visit 1/9 No. of visits 2

The specified in the accompanying copy of Advice Notes were rolled from  
charges. The tensile test has been applied to 7 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	Front tube plate	J.244	18603	78	1.23	959	26.5	27.6	27.5		
2	Shell	O.224	10604	1.09	1.17	1.275	34.1	26.7	25.5		
3				1.09	1.35	1.472	40.4	27.4	25		Cross piece
4	End plate	L.188	10621	1.00	1.16	1.16	32.3	27.8	24		- do -
5	Shell	H.262	10641	1.08	1.31	1.415	39.0	27.5	23		- do -
6				1.09	1.07	1.166	35.05	30.0	26.5		
7	Sumace plate	L.187	3895	535	1.1	589	16.0	27.1	21.5		Cross piece

A.L.G. 6.9.87

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by



Meper T. Richardson Kt.  
No. 844 Br.



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Foundation

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