

No. 5330

(Received at London Office,



TESTS OF BOILER STEEL.

Tests of 12 Steel plates manufactured by The Steel Co. of Scotland of Glasgow for Boiler No. 844 to be constructed by Messrs J. Richardson & Co. of Newcastle for the S.S. "Earth Castle"

Date first visit 29/7 last visit 31/8/87 No. of visits 4

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

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.		Extens. in 8 ins. %	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.		
1	Shell	A.224	1523	.49	1.31	.642	18.5	28.8	23.5		
2	"	"	1528	.51	1.24	.632	18.6	29.4	24.5	Cross piece	
3	Firebox side & top	K.220	2162	.42	1.12	.47	13.7	29.1	27		
4	" back	J.199	2258	.42	1.12	.47	13.2	28.0	27.5		
5	Shell	G.214	2339	.495	1.21	.599	17.45	29.1	28		
6	"	E.189	2357	.495	1.19	.589	17.05	28.9	27.5		
7	"	L.1374	2935	.5	1.12	.56	14.4	25.7	24	Rejected	
8	Tube plate	J.240	3486	.68	1.17	.796	21.75	27.3	23		
9	Front top	L.186	3796	"	"	"	21.8	27.3	22		
10	Manhole	A.242	3860	.495	"	.579	16.0	27.6	24		
11	End plate	L.187	3906	.5	1.18	.59	16.25	27.5	26.5		
12	Furnace	A.245	3961	.465	1.19	.553	15.3	27.6	28		

J.H.F. 6.9.87

Fee £ : :

Expenses £ : :

£ : :

To be paid by

© 2021

 J. Roberts
 Surveyor, Lloyd's Register.
 Glasgow
 31/8/87

Wm. J. Richardson Kans
Sty. B. No. 844



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Foundation