

TESTS OF BOILER STEEL.

Tests of 36 Steel Plate manufactured by Messrs J.W. Beardmore of Partickhead for Boiler No. 284 to be constructed by Messrs A. Stephen & Sons of Glasgow for their S.S. No 284

Date first visit May 4th 1883 last visit June 8th 1883 No. of Visits 5

The 36 Plates specified in the accompanying copy of Advice Notes were rolled from 21 charges. The tensile test has been applied to 7 samples as set forth below, and the temper and bending tests to a shearing from 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	Furnace Butt Shear	D115	6	2596	.4	1.23	.492	13.1	27.4	24	
2	Centre tube plate	H90	1	1949	.66	1.25	.825	23.25	28.1	27	
3	Furnace Top	A39	1	1104	.49	1.23	.602	17.06	28.3	24	
4	" Butt Shear	D143	3	1500	.35	1.52	.532	15.35	28.8	23	
5	Connecting Pipes	F79	1	1642	.65	1.26	.819	22.53	27.4	28.5	
6	Back of Miss fire boxes	F157	1	1906	.46	1.5	.69	22.53	32.7	20.	Rejected 1 plate
7	" " "	A138	3	1813	.44	1.46	.642	17.2	26.7	31.5	

Fee £ : :

Expenses £ : :

£ : :

To be paid by The Steel Manufacturers Glasgow

Surveyor, Lloyd's Register,