

No 4655

(Received in London Office,



TESTS OF BOILER STEEL.

Tests of 20 Steel plates manufactured by The Steel Co. of Scotland of Blochmann for Boiler No. 125 to be constructed by J. & J. Thomson of Glasgow for S.S. No. 134 building by Aitken & Mansell

Date first visit 15<sup>th</sup> March last visit 14<sup>th</sup> April No. of visits 3

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 13 samples as set forth below, and the temper and bending tests 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.	%	
	Shell	O.61		8798	1.16	1.14	1.322	37.4	28.2	28	
		"		8799	1.17	1.14	1.334	36.76	27.5	30	
	Shell Strip	G.52		8672	.91	1.14	1.038	29	27.9	26	
	Furnace Front	H.56		8747	.755	1.14	.861	24.4	28.3	23	
	Firebox btm. of C.	H.57		1869	.62	1.14	.707	20.25	28.6	23	
	" " " side	A.64		1836	.645	1.34	.864	Broke in fups.			Rejected
	Side Bk. Tube pl.	E.53		1903	.895	1.14	1.02	30	29.4	22	
	Top End	J.52		8874	.895	1.34	1.199	31.83	26.5	26	
	13" 10 x 57 1/2 Sk. x 7/8	L.83		4642	.88	1.16	1.021	27.3	26.7	21	Annealed.
	14" 8 1/2 x 7-9 1/2 x 7-5 R x 3/4	H.80		4654	.79	1.18	.932	27.3	29.3	20.5	
	" x " x " x " x "	L.83		4656	.735	1.19	.875	23.35	26.7	24	Cross piece
	" x " x " x " x "	"		4657	.765	1.13	.864	23.5	27.2	26	" "
	14" 10 x 79 Sk x 7/8	B.83		9326	.89	1.16	1.033	30.4	29.4	23.5	

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by



J. Roberts

Surveyor, Lloyd's Register,

Glasgow

DP. 21/4/87