

TESTS OF BOILER STEEL.

Tests of 19 Steel plates manufactured by the Steel Co. of Scotland of Glasgow for Boilers No. 255 to be constructed by the Lon. Glasgow Eng. Co. of Glasgow for the S.S. No. 255 building by the same Firm
 Date first visit 9/9 last visit 19/9/87 No. of visits 4

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 21 samples as set forth below, and the temper and bending tests to a shearing taken 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	Shell	B.228	707	575	1.24	7.13	19.5	27.3	24	24	Stk. 13
2				575	1.25	7.19	20.2	28.0	26	26	Cross piece
3	End plate	D.219	879	815	1.32	1.076	30.25	28.1	23	23	
4	"	B.229	903	935	1.15	1.075	31.2	29.0	28	28	
5	Top inf. Firebox	L.202	1201	565	1.12	6.33	17.4	27.4	30.5	30.5	
6	"	B.233	1428	52	1.32	6.86	19.0	27.6	25.5	25.5	Cross piece (Stk. 13)
7	Shell	H.217	8742	1.25	"	1.65	47.0	28.4	23	23	
8			"	"	"	"	45.35	27.4	23	23	Cross piece
9	Shell	B.234	8756	"	"	"	47.75	28.9	24	24	
10			"	1.23	1.27	1.562	44.4	28.1	24	24	Cross piece
11	Shell	B.234	1498	1.27	1.32	1.676	47.6	28.4	24	24	
12			"	1.26	1.17	1.474	43.2	29.3	21.5	21.5	Cross piece
13	Shell	H.217	1332	1.27	"	1.486	40.3	27.1	23	23	
14			"	1.26	"	1.474	40.7	27.6	22	22	Cross piece
15	Shell	H.285	8779	1.27	1.25	1.588	45.8	28.8	23	23	
16			"	1.24	"	1.55	43.2	27.8	23	23	Cross piece
17	Shell	O.240	8785	1.28	"	1.5	45.0	30.0	20.5	20.5	
18			"	1.27	1.12	1.422	40.9	28.7	22	22	Cross piece
19	Shell straps	O.240	8789	1.16	1.25	1.45	41.3	28.4	24.5	24.5	
20	Shell	C.245	8794	1.31	1.12	1.467	43.6	29.7	20	20	
21			"	1.31	1.26	1.631	49.0	29.6	20.5	20.5	Cross piece

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by

*The Lon. Glasgow Co-
No. 253 Bm*



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Foundation