

TESTS OF BOILER STEEL.

Tests of S4 Steel plate manufactured by The Steel Co. of Scotland of Blochaim  
for Boilers No. 256/4 to be constructed by Messrs. McEwan & Co. of Belfast  
for the S.S. No. 212 Building by Messrs. Harland & Wolff

Date first visit 11/1/88 last visit 7/2/88 No. of visits 12

The \_\_\_\_\_ specified in the accompanying copy of Advice Notes were rolled from \_\_\_\_\_ charges. The tensile test has been applied to 30 samples as set forth below, and the temper and bending tests to a shearing off each plate with satisfactory results.

No.	Purpose.	Charge Mark.	No. of plate 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	Sk. Tube pl. 11/16	F.5-		256	.715	1.12	.8	22.65	28.3	26	Cross piece
2	End plate 3/4	M.12		286	.765	"	.857	23.65	27.5	27	- do -
3	" "	11/16 F.7		325	.68	1.31	.891	25.55	28.5	25.5	
4	" "	13/16 B.11		380	.85	1.26	1.071	30.8	28.7	27	
5	Shell 13/16	G.16		517	1.2	1.28	1.536	43.2	28.1	25	
6	8-0 x 78 x 1/2	B.12		6089	.515	"	.659	18.3	27.7	27	
7	" x " x "	C.16		6418	.515	1.12	.577	16.65	28.8	27	
8	11-0 x 84 x "	A.18		6528	.505	1.24	.626	18.6	29.7	25	
9	Shell 13/16	H.20		553	1.2	1.12	1.344	34.5	25.6	28	Rejected. 1.
10	End plate 13/16	A.21		690	.85	1.27	1.08	51.0	28.7	26	
11	Shell 13/16	F.23		791	1.19	"	1.511	44.3	29.3	24	
12	5-9 x 28 x 9/16	B.18		3806	.57	1.13	.644	17.55	27.2	29.5	
13	7-6 x 27 x 1/2	C.19		6656	.505	"	.571	16.2	28.3	25.5	
14	5-0 x 16 x "	Stock		6698	.5	1.17	.585	16.9	28.8	27	
15	4-10 x 28 x 9/16	"		4000	.58	1.27	.737	21.2	28.7	26	
16	Shell 13/16	K.21		624	1.2	1.15	1.38	35.45	28.6	26.5	Rejected. 1.
17	"	"		"	"	"	"	35.35	28.6	28	Cross piece
18	End plate 3/4	F.25		844	.775	1.28	.992	29.0	29.2	27	
19	" "	11/16 C.22		881	.705	1.14	.804	22.86	28.4	26.5	
20	Shell 13/16	O.23		896	1.18	1.27	1.499	41.1	27.4	25	Cross piece
21	" "	F.22		897	1.23	1.26	1.55	45.6	29.4	24.5	
22	7-6 x 27 x 1/2	K.29		4567	.505	1.14	.575	16.9	29.3	25.5	
23	" x " x "	L.30		7323	.5	"	.57	16.93	29.7	29	
24	Straps 1 1/16	H.357		48	1.08	1.13	1.22	34.1	27.9	25	
25	Sk. Tube pl. 11/16	A.1		87	.695	"	.785	23.15	29.4	25.5	
26	" "	L.4		136	.695	1.18	.82	23.75	28.9	25	
27	" "	O.5		180	.71	1.3	.923	26.5	28.7	27	
28	Straps 1 1/16	D.5		220	1.07	1.37	1.466	41.05	28.0	26	
29	5-9 x 27 x 1/2	L.24		6829	.515	1.3	.67	20.08	29.9	24	
30	Shell 13/16	K.38		23	1.2	1.28	1.536	44.65	29.0	22	

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

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