

TESTS OF BOILER STEEL.

Tests of 58 Steel plates manufactured by *The Steel Co. of Scotland of Glasgow*
 for Boilers No. 395/6 to be constructed by *James Howden & Co. of Glasgow*
 for *Messrs Russell & Co. S/S. No 199*
 Date first visit *25/9/88* last visit *3/10/88* No. of visits
 The specified in the accompanying copy of Advice Notes were rolled from
 charges. The tensile test has been applied to *20* samples as set forth below,
 and the temper and bending tests to a shearing off each plate with
Satisfactory results.

No.	Purpose. or Dimensions	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	2'-9" x 8" x 3/4"	E.279		1116	.79	1.22	.964	28.05	29.0	23	
2	Straps 10/16	M.322		922	.965	1.15	1.11	33.0	29.7	23	
3	Shell 1/4	D.301		904	1.27	1.23	1.662	45.3	29.0	26.5	
4	C.C. 5/8	C.288		998	.655	1.37	.897	26.6	29.6	24.5	
5	Straps 5/16	C.286		1053	.945	1.12	1.058	28.7	27.1	28	
6	C.C. 9/16	A.305		7993	.61	1.41	.86	24.3	28.2	26.5	
7	Straps 5/16	B.307		863	.95	1.37	1.302	39.05	29.9	25	
8	"	C.286		874	.97	1.36	1.319	39.9	30.2	17.5	Rejected. 10.
9	Sdly. plate 3/4	F.285		7343	.78	1.38	1.076	29.7	27.6	26.5	From piece
10	" 7/8	B.309		7470	.915	1.16	1.061	28.2	26.5	27	
11	Sludge hold pl. 1	F.293		1095	1.02	1.4	1.428	40.3	28.2	28	
12	Shell 1/4	C.295		1109	1.26	1.13	1.424	38.6	27.1	29	
13	"	A.307		1121	1.28	1.4	1.792	52.45	29.2	23.5	
14	C.C. 9/16	G.290		8235	.58	1.19	.69	20.6	29.8	27	
15	"	A.308		8244	.575	1.4	.805	22.25	27.6	28	
16	F.T.P. 3/4	C.295		8272	.76	1.18	.897	26.65	29.7	24	
17	End pl. -	O.253		8293	.815	1.22	.994	28.0	28.1	26	
18	C.C. 9/16	F.297		4095	.575	1.24	.713	20.35	28.5	28	
19	B.T.P. 1/16	A.311		4176	.705	1.13	.797	20.4	25.6	25	Rejected. 2.
20	End pl. 7/8	Stock		8288	.645	-	.729	18.0	24.6	31	do. 1.

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.

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by

Surveyor, Lloyd's Register.