

TESTS OF BOILER STEEL.

Tests of ³⁴~~52~~ Steel ^{plates}~~bars~~ manufactured by Messrs J. & W. Beardmore of Parkhead for Boiler No. ¹¹⁸~~115~~ to be constructed by Messrs ~~J. & S. Thomson~~ of Glasgow for S.S. "Cadiz".

Date first visit 5. 2. 1886 last visit 8. 3. 86 No. of visits —

The ~~plates~~ ^{bars} specified in the accompanying copy of Advice Notes were rolled from — charges. The tensile test has been applied to 15 samples as set forth below, and the temper and bending tests proved 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.		
1	4.10 x 32 x 5/8	B2		719	.6	1.34	.804	22.15	27.5	27	✓
2	1.8 1/2 x 66 x 3/4	K12		717	.74	1.33	.984	27.65	28.0	27	✓
3	19.0 x 68 x 1 1/4	G17		753	.99	1.07	1.059	30.38	28.6	26	✓
4	" " "	G16		751	.99	1.07	1.059	31.1	29.3	24	✓
5	" " "	M29		676	1.0	1.07	1.07	31.37	29.3	26	✓
6	" " "	M31		736	1.02	1.07	1.091	30.1	27.5	26	✓
7	" " "	B2		990	.98	1.25	1.225	34.73	28.3	26	✓
8	3.1 x 36 x 9/16	M19		958	.55	1.48	.814	22.78	27.9	30	✓
9	4.8 x 17 x 3/4	L30		209	.73	1.25	.912	26.77	29.3	29	✓
10	19.2 x 68 x 1 1/4	L247		760	1.0	1.03	1.03	30.8	29.9	25	✓
11	Stay bars	K37		6	1.0	Wrim	.785	22.44	28.5	33	✓
12	" " "	"		12	1.0	"	.785	22.2	28.2	33	✓
13	" " "	K39		8	1.0	"	.785	20.9	26.6	32	✓
14	" " "	"		17	1.0	"	.785	20.54	25.5	30	✓
15	" " "	"		22	1.0	"	.785	21.38	27.2	34	✓

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2-4-86

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by The Manufacturers

Chas. Edwards
 Surveyor, Lloyd's Register.

Glasgow
 3. 3. 86