

No. 843.

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## TESTS OF BOILER STEEL.

Tests of 112 Steel plate manufactured by The Steel Co of Scotland of Glasgow for Boilers No. 148-9-50<sup>75</sup> to be constructed by Messrs. Hudson & Co. of Glasgow for S/S. N<sup>o</sup> 112 building by The Barrow S.B. Co.

Date first visit 3/4/83 last visit 25/4/83 No. of Visits 16

The steel plate specified in the accompanying copy of Advice Notes were rolled from 56 charges. The tensile test has been applied to 14 samples as set forth below, and the temper and bending tests to samples representative of each plate advised, all 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		L245	3	768	.76	1.23	.934	27.0	29.7	25.	14.9" x 61" x $\frac{49}{84}$
2		L264	1	716	.76	1.21	.919	26.9	29.2	27.	14.11" - " "
3		H264	2	462	.5	1.21	.605	18.0	29.2	27.	9.4" x 46" x $\frac{1}{2}$
4		L257	4	6570	.52	1.25	.65	18.0	27.6	21.	2.9" x 32" x $\frac{1}{2}$
5		F283	1	60	.44	1.25	.55	16.4	29.8	27.5	5.7" x 30" x $\frac{7}{16}$
6		D259	2	471	.57	1.22	.612	17.5	26.9	25.5	7.1" x 32" x $\frac{1}{2}$
7		D256	3	255	.71	1.22	.866	25.65	29.6	28.5	5.10" x 42" x $\frac{19}{16}$
8		M243	3	2379	.75	1.19	.892	24.1	27.4	28.	14.9" x 61" x $\frac{49}{84}$
9		H274	1	1409	.55	1.22	.671	18.5	27.5	24.	6.7" x 32" x $\frac{1}{2}$
10		H278	2	2533	.52	1.19	.618	18.2	29.4	25.	6.2" dia x $\frac{1}{2}$
11		B270	3	2687	.49	1.23	.604	17.7	29.3	26.	5.10" 9.1" x 10.4" x $\frac{5}{32}$
12		D273	2	2571	.5	1.18	.59	17.3	29.3	24.5	— 80 —
13		R268	1	4600	.57	1.18	.601	17.6	29.2	21.	6.5" x 3.4" - 4"
14		R267	2	257	.44	1.19	.523	16.1	28.8	23.5	5.5" x 30" x $\frac{7}{16}$

10/5/83

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

The Steel Co.

Surveyor, Lloyd's Register

Glasgow

10/5/83



*W & Corbett 148, 9, 50*



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