

Glasgow Report No. 6594.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

No. 1746.

(Received in London Office,

TESTS OF BOILER STEEL.

Tests of 85. Steel plates manufactured by David Colville & Sons of Motherwell for Boiler No. 167-8 to be constructed by Hutson & Corbett of Glasgow for S.S. No 129. building by Aitken & Mansel.

Date first visit 18.3.84 last visit 4.4.84 No. of Visits 4.

The steel plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 10 samples as set forth below, and the temper and bending tests to a sample taken from each of the plates advised, all of which proved satisfactory.

No.	Purpose. 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.	6.5 <sup>1</sup> / <sub>2</sub> x 59 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>2</sub>	8573	—	2140	.57	1.948	.993	26.76	26.9	24.5	
2.	5.3 x 59 x 1 <sup>1</sup> / <sub>2</sub>	864	—	2172	.608	2.173	1.321	36.82	27.8	24.5	
3.	16.3 <sup>1</sup> / <sub>2</sub> x 59 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>2</sub>	m64	—	2632	.68	1.73	1.176	32.62	29.4	27.0	
4.	16.1 <sup>1</sup> / <sub>4</sub> x 59 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>2</sub>	9289	—	3792	.7	1.87	1.309	37.41	28.5	25.0	
5.	4.1 <sup>1</sup> / <sub>2</sub> x 11 x 1 <sup>1</sup> / <sub>2</sub>	K84	—	3790	.53	1.54	.816	22.45	27.5	24.5	
6.	11.2 x 50 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>2</sub>	C960	—	2094	.597	1.29	.77	22.6	29.3	26.	
7.	4.8 <sup>1</sup> / <sub>2</sub> x 11 x 1 <sup>1</sup> / <sub>2</sub>	L93	—	5796	.71	1.8	1.278	37.2	29.1	25.	
8.	4.11 <sup>1</sup> / <sub>2</sub> x 11 x 1 <sup>1</sup> / <sub>2</sub>	867	—	4172	.468	2.01	.94	25.6	27.2	30.5	
9.	6.7 <sup>1</sup> / <sub>2</sub> x 75 x 1 <sup>1</sup> / <sub>2</sub>	m96	—	4234	.435	1.19	.517	15.06	29.1	23.	
10.	7.6 x 81 <sup>1</sup> / <sub>4</sub> x 1 <sup>1</sup> / <sub>2</sub>	L94	—	6092	.5	1.52	.76	22.2	29.2	24.5	

M 21/4/84

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by D. Colville & Sons,

Surveyor, Lloyd's Register,

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