

No. 710.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

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TESTS OF BOILER STEEL.

Tests of 56 Steel plates manufactured by *M^r D. Colville* of *Motherwell* for Boiler No. 153 to be constructed by *Messrs. W. Richardson & Son* of *Glen Dock* for

Date first visit *24th Nov^r 1882* last visit *7th Feb^r 1883* No. of Visits *4*

The steel plates specified in the accompanying copy of Advice Notes were rolled from *21* charges. The tensile test has been applied to *11* samples as set forth below, and the temper and bending tests to samples representing each of the plates advised, all of which 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	Fire box side	D538	2	2637	.496	1.45	.719	20.55	28.5	25.0	
2	" " bottom	F256	11	2713	.503	1.443	.725	20.5	28.2	21.5	
3	Front tube plate	F224	1	2856	.73	1.027	.749	18.72	24.9	25.7	Rejected One plate.
4	Shell	F249	3	1881	.368	1.59	.585	17.34	29.6	28.0	
5	Fire box back	A825	1	2374	.403	1.392	.672	18.57	27.5	30.0	
6	Top of back	F210	6	2947	.71	1.3	.923	26.04	28.2	22.0	
7	Front tube plate	F221	5	3019	.715	1.2	.858	22.31	26.0	22.5	
8	" " " "	F227	2	1194	.73	1.18	.861	23.84	27.6	28.0	
9	Top of back	D597	1	3127	.7	1.97	1.379	40.9	29.6	22.5	
10	Shell	C616	1	2327	.37	1.602	.592	16.54	27.9	27.5	
11	" " "	A881	2	1031	.38	1.72	.653	17.72	27.0	22.5	

M 27/2/83

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by *M^r D. Colville* Glasgow.

C. E. Burnet
 Surveyor, Lloyd's Register

Mr. William Richardson
153 Essex



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Foundation