

No. 2622.

(Received in London Office,

TESTS OF BOILER STEEL.

Tests of 62 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell
for Boiler No. 932 to be constructed by Messrs Blair & Co. of Stockton
for Messrs Wm. & Co. S.S. N. 139

Date first visit May 7th 1885 last visit ✓ No. of visits ✓

The _____ specified in the accompanying copy of Advice Notes were rolled from
_____ charges. The tensile test has been applied to 7 samples as set forth below,
and the temper and bending tests as required by Circular N. 438.

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	Inside Tube Plate	2817		1914	.9	1.72	1.528	45.06	29.1	25.0	
2	Shell "	H673		1196	1.12	1.29	1.444	39.43	27.3	29.0	
3	End Tube Plate	K353		1092	1.0	1.52	1.52	44.94	29.5	28.5	
4	Shell "	H670		1106	1.13	1.31	1.48	43.36	29.3	24.0	
5	Top End "	#10		1114	1.15	1.31	1.506	42.67	28.3	26.5	
6	Shell Butt Straps	Stock		7824	.96	1.24	1.190	33.39	28.0	30.0	
7.	Comb. Ch. Bottom & Shell Straps	Stock		8046	.94	1.58	1.485	42.50	28.6	32.5	

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27/5/85

1112

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Manufacturers

Surveyor, Lloyd's Register,

Clayton

26.5.85