

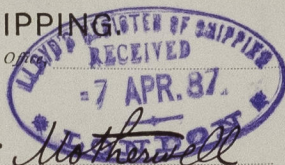
No. 4554

TESTS OF BOILER STEEL.

Tests of 46 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell  
for Boiler No. 839 to be constructed by Messrs J. Richardson & Sons of Hartlepool  
for Messrs E. W. & Co. S. S. No. 147

Date first visit March 16<sup>th</sup> 1887 last visit March 31<sup>st</sup> 1887 No. of visits

The specified in the accompanying copy of Advice Notes were rolled from  
charges. The tensile test has been applied to samples as set forth below,  
and the temper and bending tests to a shearing from each plate



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	14.5 1/2 x 58 1/2 x 3/16	Q816			3798	.82	2.04	1.672	49.68	29.7	25.5
2	4.1 x 28 1/2 x 3/16	B987			3318	.69	1.94	1.338	36.25	27.0	26.0
3	5.4 1/2 x 52.49 x 20 x 7/8	K22			3428	.88	1.66	1.460	41.80	28.6	27.0
4	16.0 x 27 1/4 x 9/16	2475			3552	.55	1.43	.786	22.82	29.0	24.0
5	6.8 x 32 x 9/16	K25			4102	.56	1.54	.862	24.08	27.9	27.5
6	21.1 1/4 x 57.45 x 20 x 1 1/32	L96			4402	1.12	1.34	1.500	41.24	27.4	27.0
7	8.9 x 42 x 7/16	A178			6540	.57	1.19	.678	19.28	28.4	25.5

199.  
13/4/87

STK915-0257

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by



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A. M. Dove

Surveyor, Lloyd's Register,

Glasgow

5.4.87