



No 4509

TESTS OF BOILER STEEL.

Tests of 44 Steel Plate manufactured by Messrs D Colville & Sons of Motherwell for Boiler No. 227 to be constructed by Messrs Alley & Mc Lellan of Glasgow for

Date first visit February 1<sup>st</sup> 1887 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 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	4.8 x 19 x 17 1/2 x 7/16	K972		5886	.44	2.00	.880	24.25	27.5	29.0	
2	11.3 x 45 1/2 x 9/16	4502		5414	.56	1.30	.728	21.6	29.6	26.5	
3	1.8 x 7 x 5/8	J907		5418	.62	1.97	1.221	36.15	29.6	26.0	
4	3.10R x 32 3/4, 3.9 1/2 R x 32 3/4	B941		254	.69	1.76	1.214	34.4	28.3	24.0	
5	11.6 x 26 1/2 x 9/16	B941		767	.57	1.33	.758	21.33	28.1	23.5	

H.P.  
20/3/87

Fee ..... £ : :  
Expenses £ : :  
£ : :

To be paid by



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H. M. Dove  
Surveyor, Lloyd's Register  
Glasgow  
19.3.87