

No. 3582

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 66 Steel Plate manufactured by Messrs D. Colville & Sons of Motherwell
for Boiler No. to be constructed by Messrs Ramsay & Ferguson of Leith
for the S.S. "Prior".

Date first visit April 21st 1886 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 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	13.9 1/2 x 33 1/2 x 15 1/32	C617		1865	.45	1.30	.585	16.26	27.7	22.5	
2	4.4 x 70 x 16 1/32	K75-8		2145	.48	1.21	.580	16.0	27.4	20.0	
3	50.49 x 5.2 x 1 1/4 x 1/8	N445		7284	.71	1.87	1.327	39.50	29.6	21.5	
4	19.9 1/4 x 62 1/4 x 1 1/8	B119		6500	.69	1.60	1.104	31.18	28.1	25.0	
5	6.9 1/2 Rad x 56 3/4 x 3/4	B801		6846	.73	1.325	.967	25.9	26.9	23.0	
6	13.8 3/4 x 56 3/4 x 3/4	C627		4896	.75	1.41	1.057	31.90	30.1	23.5	
7	9.11 3/4 x 63 1/2 x 9/16	K757		2359	.60	1.54	.924	26.93	29.1	22.0	

W. F.
8/5/86

Fee £ : :
Expenses £ : :
£ : :

To be paid by



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H. Moore
Surveyor, Lloyd's Register.
Glasgow
3-5-86
Foundation