

No. 3416.

(Received in London Office)

TESTS OF BOILER STEEL.

Tests of 51 Steel Plate manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 346 to be constructed by The North Eastern Marine Eng Co of Sunderland for Messrs Austin & Sons S.S. No 156.

Date first visit June 15th 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 6 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	11.7½ x 32 Skelch x 13/16	N802			1884	.83	2.11	1.761	48.15	27.4	30.0	
2	7.1 x 60 x 9/16	B745			725	.59	2.10	1.239	35.50	28.6	26.5	
3	5.8 R x 82 x 15/16	2277			1876	.94	1.55	1.457	39.4	27.1	27.5	
4	16.4 3/8 x 66 3/4 x 1	2278			917	.99	1.31	1.296	37.9	29.2	28.5	
5	13.9 x 31 x 9/16	2989			1505	.57	1.51	.860	23.62	27.4	32.0	
6	5.7½ x 30 x 9/16	2875			4272	.57	2.49	1.419	40.32	28.4	25.5	
D.P. 20/7/86.												

D.P.
20/7/86.

Fee £ : :

Expenses £ : :

£ : :

To be paid by



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H. M. Dove
Surveyor, Lloyd's Register,
Glasgow. 13.7.86
Foundation