

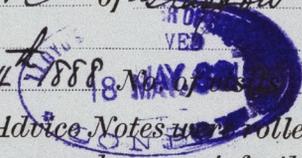
No. 4542

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 40 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 380 to be constructed by Messrs Jas Howden & Co of Glasgow for Messrs Harland & Wolff's S.S. No 213.

Date first visit May 4th 1888 last visit May 14th 1888



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 with satisfactory results.

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	15.2 x 44 3/4 x 3/4	6577		1391	76	1.69	1284	36.70	28.5	27.0	
2	9.1/4 x 47 x 9/16	N342		1002	.58	1.74	1.009	28.78	28.5	28.0	
3	15.0 x 44 3/4 x 3/4	6577		1986	74	1.98	1.465	43.12	29.4	29.0	
4	6.4 x 43 x 11/16	D44		2272	.70	2.07	1.449	42.04	29.0	26.0	
5	2.3 1/2 x 7 1/2 x 7/8	D37		2500	.65	1.76	1.144	32.65	28.5	21.0	

DF 18/5/88

Fee £ : :

Expenses £ : :

£ : :

To be paid by

A. M. Howden
 Surveyor, Lloyd's Register
 Glasgow
 165 88