

No. 1308

(Received in London Office,

15 Oct. 85

LONDON

TESTS OF BOILER STEEL.

Tests of 36 Steel Bars manufactured by Messrs The Steel Co. of Scotland of Newton for Boiler No. 66 to be constructed by Messrs J. Hodge & Sons of London for Messrs Forrest & Sons S. S. No. 2084

Date first visit Aug 22<sup>nd</sup> / 1883 last visit Sept 3<sup>rd</sup> / 1883 No. of Visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 4 samples as set forth below, and the temper and bending tests to a piece from each bar 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	10.5 x 1 1/4 diam.			188	.87 diam.	.594	16.77	28.2	21.1		
2	- - -			180	.873	.598	16.8	28.0	24.2		
3	10.3 x 1 3/4 -			938	1.00	.785	23.66	30.1	27.3		
4	10.5 x 1 1/4 -			185	.87	.594	15.96	26.8	24.2		

D. J.  
15/10/83

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

To be paid by The Steel Manufacturers. Glasgow

