

No. 825

(Received in London Office, CEIVED 5th MAY, 83)

TESTS OF BOILER STEEL.

Tests of 30 Steel plates manufactured by the Steel Company of Scotland of Newton Glasgow for Boiler No. 19 to be constructed by Messrs McIlwaine & Lewis of Belfast for S.S. No. 19 building by Messrs McIlwaine & Lewis of Belfast
Date first visit 1st March/83 last visit 8th March/83 No. of Visits 6

The Steel plates specified in the accompanying copy of Advice Notes were rolled from 17 charges. The tensile test has been applied to 3 samples as set forth below, and the temper and bending tests to samples representative of each plate advised. All of which proved satisfactory.

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	10.8" x 45" x 7/16	S138	1	1/52	.725	1.217	.882	24.12	27.3	26.5	
2	11.7 1/2" x 48" x 5/8	T139	4	1/60	.612	1.195	.701	19.6	26.8	29.7	
3	6.4" x 29" x 7/16	K352	1	2931	.428	1.19	.509	14.55	28.5	24.2	

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.

Fee £ : :
Expenses £ : :
£ : :

To be paid by the Steel Manufacturers

Charles Edwards
Surveyor, Lloyd's Register,

Lloyd's Register
Foundation

4/5/83