



No. 3824.

TESTS OF BOILER STEEL.

Tests of 39 Steel bars manufactured by The Steel Co. of Scotland of Newton for Boiler No. 1822 to be constructed by The Barrow S. S. Co. of Barrow for constant attendance

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 5 samples as set forth below, and the temper and bending tests applied to piece off 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	Rd. 1 3/8 dia				608	1.0 dia	.785	22.0	28.0	31.5	
2					603	1.0 dia	.785	22.0	28.0	27.0	
3	Rd. 2 5/8 dia				676	1.0 dia	.785	23.95	30.5	29.0	
					676	1.19 dia	1.112	32.9	29.5	30.0	duplicate
4	"				665	1.0 dia	.785	23.9	30.4	25.0	
					665	1.19 dia	1.112	32.0	28.5	27.0	duplicate
5	"				685	1.0 dia	.785	24.5	31.2	31.0	
					685	1.19 dia	1.112	32.3	29.0	28.0	duplicate

D.S. 3/9/86

Fee £ : :
Expenses £ : :
£ : : To be paid by

Hand
Surveyor, Lloyd's Register,
Glasgow
28-8-86