

No. 55

(Received in London Office) 24 APR. 83.

TESTS OF BOILER STEEL.

Tests of 18 Steel plates manufactured by the Leeds Forge Co. of Leeds for Boiler No 280-1 & 2 to be constructed by Messrs John Elder & Co. of Glasgow for

Date first visit 12 Feb. 83 last visit 2 April 83 No. of Visits 5

The Plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to Seven samples as set forth below, and the temper and bending tests to 8 samples which were found satisfactory

No.	Purpose.	Charge Mark.	No. of plates or bars in same charge	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 10 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	Boiler front	-	-	446	.705	1.57	1.064	25.25	23.73	31.25	
2	d.	-	-	606	.660	1.74	1.148	29.00	25.25	29.37	
3	d.	-	-	721	.625	1.50	0.937	22.50	24.01	30.0	
4	d.	-	-	848	.710	1.53	1.086	25.00	23.02	25.00	
5	d.	-	-	1089	.700	1.50	1.050	23.25	22.14	30.00	
6	d.	-	-	1058	.700	1.52	1.064	26.50	24.90	31.3	
7	d.	-	-	1184	.710	1.77	1.256	31.50	25.0	27.50	

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 Leeds Forge Co.

John R. Stevens
Surveyor, Lloyd's Register
Foundation

Mr Glasgow



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Foundation