

No. 4854

(Received at London Office, 16 JUN 88)

TESTS OF BOILER STEEL.

Tests of 11 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 378 to be constructed by Messrs The North Eastern M.E. Co. of Sunderland for Messrs Robert Thompson & Sons S.S. 150.

Date first visit June 7th 1888 last visit June 13th 1888 No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 2 samples as set forth below, and the temper and bending tests to a shearing from each plate with satisfactory results

No.	Purpose.	Charge Mark.	No. of plate 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	21-11 $\frac{1}{4}$ x 56 x $\frac{13}{16}$	G614		1211	.80	2.00	1.600	44.46	27.7	23.0	
2	66 Rad x 41, 65 $\frac{1}{2}$ R x 40 x $\frac{7}{8}$	K381		1259	.74	1.09	.806	24.11	29.9	25.0	

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

Surveyor, Lloyd's Register.

13.6.88