

No. 2552

(Received in London Office,



TESTS OF BOILER STEEL.

Tests of 55 Steel Plate manufactured by Messrs. D. Colville & Sons of Motherwell for Boiler No. 194 to be constructed by Messrs. Wigham Richardson & Co. of Newcastle for their S. S. N^o. 194.

Date first visit April 24th 1885 last visit No. of Visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 6 samples as set forth below, and the temper and bending tests as required by Circular N^o. 438

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 | Shell Plate | H651 | | 6502 | 1.19 | 1.32 | 1.57 | 44.86 | 29.5 | 29.5 | |
| 2 | Centre Back - | L373 | | 6530 | .85 | 1.31 | 1.22 | 33.70 | 29.9 | 27.5 | |
| 3 | Flame box sides | H391 | | 6216 | .61 | 1.30 | .793 | 22.43 | 28.2 | 27.0 | |
| 4 | Bottom of Back | N391 | | 6104 | .74 | 1.43 | 1.058 | 29.46 | 27.8 | 28.0 | |
| 5 | Flame box back | H653 | | 6184 | .6 | 1.52 | .912 | 24.31 | 26.6 | 31.5 | |
| 6 | Furnace bottom | Stock | | 3425 | .63 | 1.69 | 1.064 | 32.15 | 30.2 | 26.5 | M 1/5/85 |

Fee..... £ : :
 Expenses £ : :
 £ : :

To be paid by

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 H. N. DOVE
 Surveyor, Lloyd's Register,
 Glasgow
 30.4.85