

(Received at London Office)

TESTS OF BOILER STEEL.

Tests of 35 Steel plates manufactured by The Steel Co. of Scotland of Glasgow for Boiler No. 241 to be constructed by Messrs. J. & C. Thomson of Glasgow for the S.S. No. 241 building by the same firm

Date first visit 30/8 last visit 15/9/87 No. of visits 5

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 12 samples as set forth below, and the temper and bending tests to a shearing taken from each plate with satisfactory results.

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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 | Main Washers | G.242 | | 1068 | .955 | 1.24 | 1.184 | 31.8 | 26.8 | 25.5 | |
| 2 | Firebox | H.208 | | 375 | .535 | 1.24 | .663 | 18.9 | 28.5 | 22.5 | |
| 3 | | J.255 | | 378 | .525 | 1.23 | .646 | 17.4 | 28.4 | 23.5 | |
| 4 | Girders Stays | D.228 | | 381 | 1.37 | 1.22 | 1.671 | 48.3 | 28.9 | 15 | Rejected |
| 5 | Firebox Wings | H.283 | | 1397 | .52 | 1.31 | .681 | 17.9 | 26.2 | 30.5 | Cross piece |
| 6 | Straps | F.205 | | 8637 | .96 | 1.12 | 1.075 | 32.1 | 29.8 | 22 | do |
| 7 | " | " | | 8692 | .94 | 1.13 | 1.062 | 29.05 | 27.3 | 25 | |
| 8 | " | G.262 | | 1619 | .94 | 1.12 | 1.053 | 30.6 | 29.0 | 21 | |
| 9 | " | G.250 | | 1624 | .96 | " | 1.075 | 31.9 | 29.6 | 23 | |
| 10 | Furnace Front | G.262 | | 1626 | .77 | " | .862 | 23.9 | 27.7 | 27 | |
| 11 | | | | " | .77 | 1.27 | .978 | 27.1 | 27.7 | 25.5 | Cross piece |
| 12 | Straps | H.219 | | 1643 | .94 | 1.26 | 1.184 | 33.3 | 28.1 | 23 | |

20.9.87

Fee £ : :

Expenses £ : :

£ : :

To be paid by

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Lloyd's Register
Surveyor, Lloyd's Register.
Glasgow
13/9/87

Map J. H. Thomson's
No. 241 Br



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