

Glasgow Report No. 6612

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office)

No. 1774

TESTS OF BOILER STEEL.

Tests of 93. Steel plates manufactured by David Colville & Sons of Motherwell for Boiler No. 51645 to be constructed by Hutson & Corbett of Glasgow. for S.S. No. 139 building by Messrs C. Connell & Co.

Date first visit 21.2.84 last visit 31.3.84. No. of Visits 9.

The steel plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 11 samples as set forth below, and the temper and bending tests to a sample taken from each of the plates advised, all of which proved satisfactory.

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 | 4.1 d ₂ x 11/16 | M52 | — | 4738 | .69 | 1.71 | 1.18 | 35.07 | 29.7 | 25.0 | For Boiler No 51645. 87 plates. |
| 2 | 6.6 x 6 x 3/8 | M51 | — | 6363 | .38 | 1.38 | .524 | 14.5 | 27.6 | 26.5 | |
| 3 | 5.10 1/8 x 70 x 7/16 | Q257 | — | 4531 | .42 | 1.56 | .655 | 18.65 | 28.4 | 27.5 | |
| 4 | 11.0 1/2 x 39 1/2 x 1/16 | L51 | — | 4617 | .65 | 1.37 | .89 | 25.5 | 28.6 | 24.5 | |
| 5 | 17.2 3/16 x 51 x 19/32 | Y618 | — | 5625 | .63 | .97 | .611 | 17.72 | 29.0 | 26.0 | |
| 6 | 4.2 x 15 x 1/2 | M59 | — | 6497 | .57 | 1.71 | .872 | 25.77 | 29.5 | 25.0 | |
| 7 | 17.2 3/16 x 51 x 19/32 | X79 | — | 4047 | .582 | 1.235 | .718 | 19.77 | 27.5 | 22.5 | |
| 8 | 6.10 1/4 x 82 x 1/2 | T3102 | — | 3382 | .502 | 1.723 | .865 | 25.85 | 29.8 | 24.0 | |
| 9 | SR x 1/2 | M92 | — | 6021 | .549 | 1.423 | .697 | 19.53 | 28.0 | 25.5 | |
| 10 | 4.0 x 31 3/4 x 3/8 | M48 | — | 4889 | .38 | 1.18 | .448 | 12.53 | 27.9 | 24.5 | For Boiler No 5166. 6 plates |
| 11 | 4.7 x 42 x 3/8 | K54 | — | 6119 | .378 | 1.35 | .51 | 14.39 | 28.2 | 25.5 | |

JM 2/4/84

Fee £ : :

Expenses £ : :

£ : :

To be paid by D. Colville & Sons.

Surveyor, Lloyd's Register,

Cl Burnley

Glasgow, 17/4/84

Council No
139



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Foundation