

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

No. 593.

(Received in London Office) RECEIVED 4th NOV. 82.

TESTS OF BOILER STEEL.

Tests of 28 Steel plates manufactured by the Steel Co. of Scotland at Glasgow, Glasgow, for Boiler No. 851 to be constructed by Messrs Blair & Co. of Stockton on Tees for steam vessel No. 88 building by Messrs Turnbull & Sons.

Date first visit 30th Sept/82 last visit 18th Oct/82 No. of Visits 6

The steel plates specified in the accompanying copy of Advice Notes were rolled from 19 charges. The tensile test has been applied to 3 samples as set forth below, and the temper and bending tests to samples representative of every plate advised. They were all 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   | Furnace Crown   | U81          | 1                                    | 2594                          | .55         | 1.15   | .632  | 18.5             | 29.2      | 25.              |          |
| 2   | Comb. C. Side   | C72          | 1                                    | 1282                          | .5          | 1.01   | .505  | 14.5             | 28.7      | 21.              |          |
| 3   | Back Tube Plate | 7823         | 2                                    | 1005                          | .8          | 1.17   | .936  | 25.05            | 26.7      | 24.              |          |
| N.B. The samples used for tensile tests & all the plates were annealed. |                 |              |                                      |                               |             |        |       |                  |           |                  |          |
| In 4/11/82  |                 |              |                                      |                               |             |        |       |                  |           |                  |          |

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by the Steel Co. Ltd. of Glasgow 11/11/82



Warrlepool



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Foundation