

No. 1430

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office,

TESTS OF BOILER STEEL.

Tests of 57 Steel plate manufactured by Messrs. J. & W. Beardmore of Parkhead, Glasgow for Boiler No. 452 to be constructed by Messrs. Palmer & Co. of Jarrow for Messrs. Palmer & Co. S.S. No. 558

Date first visit 29/2/84 last visit 24/3/84 No. of Visits 3

The plate specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 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 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.     |                  |          |
|     | 40" ~ 5" x 7/16      | B22          | 2902                                 | 45                            | 1.5         | 675    | 18.8  | 27.8             | 30        |                  |          |
|     | 310 x 38 x 1/2       | B22          | 186                                  | 51                            | 1.4         | 714    | 19.6  | 27.4             | 25        |                  |          |
|     | 7.1 x 76 x 7/8 x 1/2 | A16          | 36                                   | 55                            | 1.33        | 731    | 20.3  | 27.7             | 30        |                  |          |
|     | 128 x 52 1/4 x 7/8   | B22          | 927                                  | 88                            | 1.06        | 932    | 27.55 | 29.2             | 28        |                  |          |
|     | 40 1/2 dia 2" x 3/4  | F10          | 911                                  | 75                            | 1.24        | 930    | 26    | 27.9             | 30        |                  |          |
|     | 7.1 x 76 x 7/8 x 1/2 | F7           | 233                                  | 55                            | 1.43        | 786    | 21.8  | 27.7             | 29.5      |                  |          |
|     | 6.2 1/2 x 46 x 1/2   | B22          | 401                                  | 47                            | 1.44        | 676    | 18.2  | 26.9             | 24        |                  |          |

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by Messrs. J. & W. Beardmore

Surveyor, Lloyd's Register,



Palms- S- 538

S.S. "Elderslie"  
Proc. Report No. 17675

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LISTS OF BOILER STEEL.



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