

24.6.85.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

No.

(Received in London Office,

TESTS OF BOILER STEEL.

Tests of 98 Steel plate manufactured by Mess^{rs} John Brown & Co. of Sheffield for Boiler No. to be constructed by Mess^{rs} Harland & Wolffs Belfast for their S.S. No. 186 "Painit Lillans" Belfast report No. 3212.

Date first visit 9/6/83 last visit 10/6/83 No. of Visits 2

The plates specified in the accompanying copy of Advice Notes were rolled from 24 charges. The tensile test has been applied to 10 samples as set forth below, and the temper and bending tests to each plate with satisfactory results.

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 | Boilers | 215 B | 1 | 4839 | .89 | 1.135 | 1.010 | 30.25 | 29.88 | 21.0 | 11.9 1/2 x 6.8 x 1 1/8 |
| 2 | " | 191 A | 13 | 4867 | 1.08 | .88 | .950 | 26.00 | 27.36 | 22.6 | 13.8 x 4.5 1/2 x 7/8 |
| 3 | " | 142 A | 2 | 4889 | 1.67 | .555 | .986 | 25.00 | 26.99 | 28.1 | 6.7 x 3.2 1/2 x 9/16 |
| 4 | " | 192 A | 6 | 4893 | 1.24 | .775 | .961 | 26.50 | 27.57 | 27.3 | 4.9 x 4.3 3/4 x 25/32 |
| 5 | " | 193 A | 12 | 4901 | 1.00 | .94 | .940 | 25.00 | 26.59 | 29.0 | 11.3 x 1.8 3/4 x 15/16 |
| 6 | " | 243 B | 5 | 4916 | 1.57 | .61 | .921 | 24.5 | 26.60 | 27.3 | 4.9 x 3.3 1/2 x 5/8 |
| 7 | " | 246 B | 3 | 4884 | .86 | 1.14 | .980 | 28.25 | 28.82 | 23.4 | 14.7 1/2 x 5.10 1/8 x 1 1/8 |
| 8 | " | 179 A | 4 | 4882 | .90 | 1.115 | 1.003 | 26.75 | 26.66 | 21.0 | 11.9 1/2 x 6.8 x 1 1/8 |
| 9 | " | 122 A | 2 | 4874 | 1.22 | .825 | 1.006 | 27.50 | 27.33 | 20.4 | 13.4 1/2 x 6.2 x 13/16 |
| 10 | " | 198 A | 21 | 4925 | 1.26 | .75 | .945 | 25.00 | 26.45 | 25.7 | 5.8 x 0.10 3/4 x 3/4 |

Fee £ : :

Expenses £ : :

£ : :

To be paid by



© 2021

Surveyor, Lloyd's Register,

London.