

No. 3221

(Received at London Office,

13 JAN. 86

## TESTS OF BOILER STEEL.

Tests of 9 Steel *pl.* manufactured by *Steel Co. Scotland* of *Glasgow*  
for Boiler No. *784* to be constructed by *Riley Bros* of *Stakton*  
for *Miss McMillan's Sailing Ship No 268*.

Date first visit \_\_\_\_\_ last visit \_\_\_\_\_ No. of visits \_\_\_\_\_

The *9 plates* specified in the accompanying copy of Advice Notes were rolled from  
\_\_\_\_\_ charges. The tensile test has been applied to *2* samples as set forth below,  
and the temper and bending tests *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<br>Mark. | No. of plates<br>or bars in<br>same charge. | Mark on<br>plate and<br>test piece. | Dimensions. |            |            | Ultimate Stress. |             | Exten.<br>in<br>8 ins.<br>% | Remarks. |
|-----|--------------------------------|-----------------|---|-------------------------------------|-------------|------------|------------|------------------|-------------|-----------------------------|----------|
|     |                                |                 |   |                                     | Thickn.     | Brth.      | Area.      | Total.           | Sq. Inch    |                             |          |
|     |                                |                 |   |                                     | Ins.        | Ins.       | Ins.       | Tons.            | Tons.       |                             |          |
|     | <i>12'9 1/2" x 59" x 5/16"</i> | <i>A 533</i>    |   | <i>184</i>                          | <i>3 15</i> | <i>117</i> | <i>369</i> | <i>10.65</i>     | <i>28.8</i> | <i>20.</i>                  |          |
|     | <i>4'8" dia. x 3/8"</i>        | <i>A 576</i>    |   | <i>812</i>                          | <i>4 25</i> | <i>117</i> | <i>497</i> | <i>13.</i>       | <i>26.1</i> | <i>20.</i>                  |          |

*Mc 13/1/86*

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by



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*John Sanderson*

Surveyor, Lloyd's Register.

*Glasgow*  
*13/1/86*