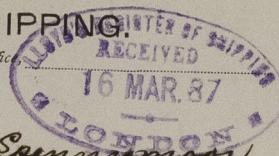


No. *543*

(Received at London Office)



TESTS OF BOILER STEEL.

Tests of *2 1/4* Steel *Bar* manufactured by *Heardale Iron Coal Coy* of *Spennymoor*
 for Boiler No. *16* to be constructed by *Central L. Eng. Coy* of *West Hartlepool*.
 for

Date first visit *2.3.87* last visit _____ No. of visits _____

The *Bar* specified in the accompanying copy of Advice Notes were rolled from
 / charges. The tensile test has been applied to *3* samples as set forth below,
 and the temper and bending tests *were 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.] | | |
| | <i>2 1/4" R² Stays</i> | <i>2449</i> | | <i>2449</i> | <i>1.69</i> | <i>4.00</i> | <i>2.24</i> | <i>61.60</i> | <i>27.5</i> | <i>27</i> | |
| | <i>2 1/4" "</i> | <i>"</i> | | <i>3</i> | <i>1.75</i> | <i>"</i> | <i>2.40</i> | <i>73.90</i> | <i>30.8</i> | <i>24</i> | |
| | <i>"</i> | <i>"</i> | | <i>5</i> | <i>1.81</i> | <i>"</i> | <i>2.57</i> | <i>76.78</i> | <i>29.8</i> | <i>26</i> | <i>Retest</i> |

D.F.
16/3/87

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by

Wm R. Austin
 Surveyor, Lloyd's Register.
West Hartlepool