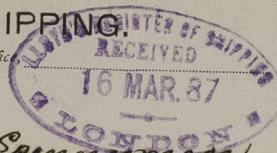


No. 543

(Received at London Office)



## TESTS OF BOILER STEEL.

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

Date first visit 23.87 last visit \_\_\_\_\_ No. of visits \_\_\_\_\_

The Bar specified in the accompanying copy of Advice Notes were rolled from 1 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.]		
	<u>2 1/4" R<sup>2</sup> Strip</u>	<u>2449</u>		<u>2449</u>	<u>1.69</u>	<u>4.00</u>	<u>2.24</u>	<u>61.60</u>	<u>27.5</u>	<u>27</u>	
	<u>2 1/4" "</u>	<u>"</u>		<u>3</u>	<u>1.75</u>	<u>"</u>	<u>2.40</u>	<u>73.90</u>	<u>30.8</u>	<u>24</u>	
	<u>"</u>	<u>"</u>		<u>5</u>	<u>1.81</u>	<u>"</u>	<u>2.57</u>	<u>76.78</u>	<u>29.8</u>	<u>26</u>	<u>Retest</u>

*D.P.*  
16/3/87

Fee ..... £ : :  
 Expenses £ : :  
 £ : :

To be paid by

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