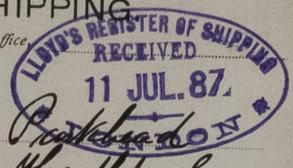


No. 5164

(Received at London Office)



TESTS OF BOILER STEEL.

Tests of **330 Steel** *bars* manufactured by *Messrs Wm Beardmore & Co* of *Glasgow*
 for Boiler No. *840* to be constructed by *Messrs J Richardson & Co* of *Hawthorn*
 for *S.S. No 228* building by *Messrs J L Thompson & Sons*.
 Date first visit *July 4th* Last visit *Do* No. of visits *One*

The *specimens* specified in the accompanying copy of Advice Notes were rolled from *charges*. The tensile test has been applied to *nine* samples as set forth below, and the temper and bending tests *to a sample from each bar rolled*.
The 295 bars for rivets were cut from 67 bars rolled.
" 35 " " stay " " 12 " "

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>Rivet bar 13/16</i>	<i>D 111</i>		<i>12</i>	<i>Dia</i>	<i>.81</i>	<i>.515</i>	<i>15.</i>	<i>29.1</i>	<i>29.</i>	
	<i>" " "</i>	<i>"</i>		<i>24</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>14.75</i>	<i>28.6</i>	<i>32</i>	
	<i>" " 7/8</i>	<i>"</i>		<i>32</i>	<i>"</i>	<i>.87</i>	<i>.594</i>	<i>16.7</i>	<i>28.1</i>	<i>33</i>	
	<i>" " 1</i>	<i>"</i>		<i>78</i>	<i>"</i>	<i>1.</i>	<i>.785</i>	<i>22.2</i>	<i>28.2</i>	<i>29</i>	
	<i>" " 1 1/8</i>	<i>"</i>		<i>57</i>	<i>"</i>	<i>1.11</i>	<i>.667</i>	<i>27.2</i>	<i>28.1</i>	<i>31</i>	
	<i>" " "</i>	<i>"</i>		<i>66</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>27.1</i>	<i>28.</i>	<i>32.</i>	
	<i>Stay bar 1 1/2</i>	<i>"</i>		<i>36</i>	<i>"</i>	<i>1.02</i>	<i>.817</i>	<i>23.95</i>	<i>29.3</i>	<i>28</i>	
	<i>" " "</i>	<i>"</i>		<i>44</i>	<i>"</i>	<i>1.01</i>	<i>.801</i>	<i>23.86</i>	<i>29.7</i>	<i>28.</i>	

D.P. 11/7/87

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by

Walter Robson
 Surveyor, Lloyd's Register
 Glasgow
 9/7/87