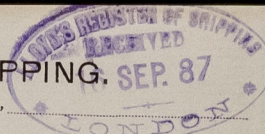


No. 5439

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received at London Office,



TESTS OF BOILER STEEL.

Tests of 457 Steel *bar* manufactured by *Messrs Beardmore & Co* of *Parkhead* for Boiler No. *844* to be constructed by *Messrs Richardson & Sons* of *Hartlepool* for *S S Garth Castle*

Date first visit *Sept 13th* last visit *Do* No. of visits *One*

The *specified* in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to *Four* samples as set forth below, and the temper and bending tests *to a sample from each bar rolled* The *457 bars* were cut from *112 bars* rolled.

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 bars 1 1/2"</i>	<i>D 120</i>		<i>8</i>	<i>Dia</i>	<i>1.04</i>	<i>.849</i>	<i>23.45</i>	<i>27.6</i>	<i>34</i>	
	<i>Do</i>	<i>"</i>		<i>6</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>24.2</i>	<i>28.5</i>	<i>35</i>	
	<i>" 1"</i>	<i>"</i>		<i>20</i>	<i>"</i>	<i>1.0</i>	<i>.785</i>	<i>22.2</i>	<i>28.2</i>	<i>35</i>	
	<i>"</i>	<i>"</i>		<i>28</i>	<i>"</i>	<i>.99</i>	<i>.769</i>	<i>21.6</i>	<i>28.</i>	<i>34</i>	
	<i>"</i>	<i>"</i>		<i>36</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>21.46</i>	<i>27.9</i>	<i>31</i>	
	<i>" 1 3/16"</i>	<i>"</i>		<i>44</i>	<i>"</i>	<i>.8</i>	<i>.502</i>	<i>13.87</i>	<i>27.6</i>	<i>32</i>	
	<i>"</i>	<i>"</i>		<i>52</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>14.1</i>	<i>28.</i>	<i>33</i>	
	<i>"</i>	<i>"</i>		<i>60</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>14.05</i>	<i>27.9</i>	<i>32</i>	
	<i>" 1 3/16"</i>	<i>D 113</i>		<i>80</i>	<i>"</i>	<i>1.18</i>	<i>1.093</i>	<i>30.85</i>	<i>28.2</i>	<i>36</i>	
	<i>"</i>	<i>"</i>		<i>88</i>	<i>"</i>	<i>1.17</i>	<i>1.075</i>	<i>29.9</i>	<i>27.8</i>	<i>33</i>	
	<i>"</i>	<i>"</i>		<i>100</i>	<i>"</i>	<i>1.18</i>	<i>1.093</i>	<i>30.7</i>	<i>28.</i>	<i>33</i>	
	<i>"</i>	<i>"</i>		<i>108</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>30.5</i>	<i>27.9</i>	<i>32</i>	
	<i>Stay Bars 1 1/2"</i>	<i>"</i>		<i>64</i>	<i>"</i>	<i>1.0</i>	<i>.785</i>	<i>22.3</i>	<i>28.4</i>	<i>28</i>	
	<i>"</i>	<i>"</i>		<i>72</i>	<i>"</i>	<i>1.01</i>	<i>.801</i>	<i>22.5</i>	<i>28</i>	<i>29.</i>	

Adf
17.9.87

Fee £ : :

Expenses £ : :

£ : :

To be paid by



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Walter E. Robson

Surveyor, Lloyd's Register.

Glasgow