

No. 2085

(Received at London Office)

TESTS OF BOILER STEEL.

LLOYD'S REGISTER OF SHIPPING
RECEIVED
-9 AUG. 88

Tests of Steel *Bar* manufactured by *Heardale Iron Works Ltd of Pennycuik*
for Boiler No. *868* to be constructed by *J. Richardson & Sons of Hartlepool*
for

Date first visit *1 August 88* last visitNo. of visits *1*

The *Baro* specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to *17* samples as set forth below,
and the temper and bending tests *were good*.

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>29 1/2" R-Rivets</i>		<i>6</i>	<i>884</i>	<i>.89</i>	<i>dia</i>	<i>.622</i>	<i>17.41</i>	<i>27.9</i>	<i>30</i>	
	"	"	<i>2</i>	<i>"</i>	<i>.88</i>	<i>"</i>	<i>.608</i>	<i>15.84</i>	<i>26.0</i>	<i>29</i>	
	"	"	<i>2</i>	<i>"</i>	<i>.89</i>	<i>"</i>	<i>.622</i>	<i>17.63</i>	<i>28.3</i>	<i>31</i>	
	"	"	<i>1</i>	<i>"</i>	<i>.90</i>	<i>"</i>	<i>.636</i>	<i>16.74</i>	<i>26.3</i>	<i>27</i>	
	"	"	<i>9</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>16.51</i>	<i>27.8</i>	<i>29</i>	
	"	"	<i>"</i>	<i>"</i>	<i>.88</i>	<i>"</i>	<i>.608</i>	<i>15.62</i>	<i>25.7</i>	<i>28</i>	
	<i>4/8</i>	"	<i>8</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>17.18</i>	<i>28.9</i>	<i>28</i>	
	"	"	<i>18</i>	<i>"</i>	<i>.88</i>	<i>"</i>	<i>.608</i>	<i>16.29</i>	<i>26.7</i>	<i>32</i>	
	"	"	<i>14</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>16.07</i>	<i>27.0</i>	<i>30</i>	
	"	"	<i>15</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>16.74</i>	<i>28.1</i>	<i>32</i>	
	"	"	<i>2</i>	<i>"</i>	<i>.88</i>	<i>"</i>	<i>.608</i>	<i>16.29</i>	<i>26.7</i>	<i>32</i>	
	"	"	<i>16</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>16.29</i>	<i>27.4</i>	<i>30</i>	
	"	"	<i>"</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>16.29</i>	<i>27.4</i>	<i>33</i>	
	"	"	<i>2</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>16.07</i>	<i>27.0</i>	<i>30</i>	
	"	"	<i>10</i>	<i>"</i>	<i>.88</i>	<i>"</i>	<i>.608</i>	<i>17.63</i>	<i>28.9</i>	<i>28</i>	
	"	"	<i>12</i>	<i>"</i>	<i>.87</i>	<i>"</i>	<i>.594</i>	<i>16.29</i>	<i>27.4</i>	<i>31</i>	
	"	"	<i>1</i>	<i>"</i>	<i>.90</i>	<i>"</i>	<i>.636</i>	<i>17.18</i>	<i>27.0</i>	<i>32</i>	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.