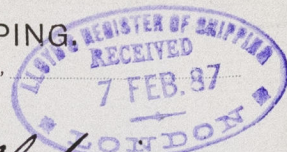


No. 4322

(Received in London Office,



TESTS OF BOILER STEEL.

Tests of 115 Steel *pl.* manufactured by *The Steel Co Scotland* of *Blackburn*
for Boiler No. *201* to be constructed by *Harland & Wolff* of *Belfast*
for *Pro Liner "Oceana"* *Bel. Rep. No. 3402*

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

The _____ specified in the accompanying copy of Advice Notes were rolled from
_____ charges. The tensile test has been applied to *18* samples as set forth below,
and the temper and bending tests *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>Shell</i>	<i>G421</i>	<i>9211</i>		<i>1.24</i>	<i>1.27</i>	<i>1575</i>	<i>44.6</i>	<i>28.3</i>	<i>26.</i>	
	<i>do</i>	<i>G427</i>	<i>9215</i>		<i>1.24</i>	<i>1.27</i>	<i>1575</i>	<i>47.6</i>	<i>30.0</i>	<i>27</i>	
	<i>do strap</i>	<i>B352</i>	<i>9196</i>		<i>.95</i>	<i>128</i>	<i>1216</i>	<i>36.54</i>	<i>30.0</i>	<i>22.5</i>	
	<i>End plate</i>	<i>G420</i>	<i>9230</i>		<i>.795</i>	<i>127</i>	<i>101</i>	<i>28.2</i>	<i>27.9</i>	<i>25</i>	
	<i>Back tube</i>	<i>G422</i>	<i>3839</i>		<i>.72</i>	<i>128</i>	<i>922</i>	<i>26.58</i>	<i>28.9</i>	<i>23.5</i>	
	<i>Butt strap</i>	<i>B349</i>	<i>9182</i>		<i>.46</i>	<i>127</i>	<i>1219</i>	<i>36.0</i>	<i>29.5</i>	<i>23.5</i>	
	<i>Back tube</i>	<i>B353</i>	<i>3817</i>		<i>.73</i>	<i>127</i>	<i>927</i>	<i>25.6</i>	<i>27.6</i>	<i>24</i>	
	<i>do</i>	<i>B380</i>	<i>3801</i>		<i>.73</i>	<i>127</i>	<i>927</i>	<i>28.8</i>	<i>26.7</i>	<i>23.5</i>	
	<i>C. Churn</i>	<i>A409</i>	<i>4450</i>		<i>.57</i>	<i>125</i>	<i>712</i>	<i>20.45</i>	<i>28.5</i>	<i>27</i>	
	<i>Shell</i>	<i>L2</i>	<i>8564</i>		<i>1.25</i>	<i>129</i>	<i>1612</i>	<i>45.9</i>	<i>28.4</i>	<i>25.5</i>	
	<i>Front tube</i>	<i>F7</i>	<i>961</i>		<i>.82</i>	<i>1.3</i>	<i>1066</i>	<i>31.05</i>	<i>29.1</i>	<i>28</i>	
	<i>Shell</i>	<i>A3</i>	<i>8580</i>		<i>1.25</i>	<i>117</i>	<i>1462</i>	<i>40.2</i>	<i>27.5</i>	<i>28</i>	
	<i>Strap</i>	<i>B3</i>	<i>8594</i>		<i>.96</i>	<i>14</i>	<i>1344</i>	<i>37.7</i>	<i>28.0</i>	<i>28.5</i>	
	<i>End plate</i>	<i>K5</i>	<i>8604</i>		<i>.895</i>	<i>13</i>	<i>1163</i>	<i>32.1</i>	<i>27.6</i>	<i>25</i>	
	<i>Back tube</i>	<i>L8</i>	<i>970</i>		<i>.74</i>	<i>13</i>	<i>962</i>	<i>25.45</i>	<i>26.4</i>	<i>24</i>	
	<i>C. Churn</i>	<i>B6</i>	<i>686</i>		<i>.63</i>	<i>14</i>	<i>882</i>	<i>25.35</i>	<i>28.7</i>	<i>25.5</i>	
	<i>do</i>	<i>A5</i>	<i>696</i>		<i>.55</i>	<i>13</i>	<i>715</i>	<i>19.4</i>	<i>27.1</i>	<i>27</i>	
	<i>do</i>	<i>G9</i>	<i>689</i>		<i>.54</i>	<i>13</i>	<i>702</i>	<i>19.1</i>	<i>27.2</i>	<i>23.5</i>	

VR
17-2-87

Fee £ : :

Expenses £ : :

£ : :

To be paid by _____

John Sanderson

Surveyor, Lloyd's Register,

Glasgow.