

No.

(Received in London Office,

13/4/86.

TESTS OF BOILER STEEL.

Tests of ^{50 plates} ~~86 bars~~ Steel manufactured by J. Brown & Co. of Sheffield
for Boiler No. Charles 300 to be constructed by Earle & B. of Hull
for Charles 300

Date first visit 6.4.86 last visit 7.4.86 No. of visits 2

The plates & bars specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 19 samples as set forth below, and the temper and bending tests to each plate & bar

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>boilers</u>	<u>485</u>		<u>47</u>	<u>.54</u>	<u>.95</u>	<u>.507</u>	<u>29600</u>	<u>26.1</u>	<u>26</u>	
	<u>plates</u>	<u>478</u>		<u>8</u>	<u>.86</u>	<u>"</u>	<u>.808</u>	<u>50000</u>	<u>27.6</u>	<u>26</u>	
		<u>"</u>		<u>9</u>	<u>.87</u>	<u>"</u>	<u>.819</u>	<u>49700</u>	<u>27.1</u>	<u>28</u>	
		<u>"</u>	<u>50</u>	<u>.86</u>	<u>1.01</u>	<u>.868</u>	<u>54000</u>	<u>27.7</u>	<u>25</u>		
		<u>484</u>		<u>1</u>	<u>.94</u>	<u>1.17</u>	<u>1.1</u>	<u>67000</u>	<u>27.2</u>	<u>28</u>	
		<u>"</u>		<u>2</u>	<u>1.16</u>	<u>"</u>	<u>1.09</u>	<u>67100</u>	<u>27.4</u>	<u>23</u>	
		<u>"</u>		<u>3</u>	<u>"</u>	<u>1.09</u>	<u>1.26</u>	<u>71400</u>	<u>25.2</u>	<u>19</u>	
		<u>478</u>		<u>4</u>	<u>"</u>	<u>.94</u>	<u>1.09</u>	<u>64300</u>	<u>26.2</u>	<u>22</u>	
		<u>"</u>		<u>5</u>	<u>.75</u>	<u>"</u>	<u>.705</u>	<u>42500</u>	<u>26.9</u>	<u>28</u>	
		<u>477</u>		<u>6</u>	<u>1.14</u>	<u>1.09</u>	<u>1.24</u>	<u>77200</u>	<u>27.2</u>	<u>27</u>	
		<u>475</u>		<u>7</u>	<u>1.15</u>	<u>.94</u>	<u>1.08</u>	<u>67300</u>	<u>27.8</u>	<u>25</u>	
		<u>486</u>		<u>8</u>	<u>.87</u>	<u>1.09</u>	<u>.948</u>	<u>58800</u>	<u>27.7</u>	<u>23</u>	
	<u>Bars</u>	<u>485</u>	<u>59</u>	<u>.875</u>	<u>"</u>	<u>.953</u>	<u>57000</u>	<u>26.7</u>	<u>25</u>		
		<u>641</u>	<u>7</u>	<u>1" diam.</u>	<u>.785</u>	<u>47800</u>	<u>27.2</u>	<u>28</u>			
		<u>"</u>	<u>8</u>	<u>.995</u>	<u>777</u>	<u>46600</u>	<u>26.5</u>	<u>27</u>			
		<u>"</u>	<u>35</u>	<u>1.128</u>	<u>1.</u>	<u>4900</u>	<u>27.6</u>	<u>28</u>			
		<u>636</u>	<u>49</u>	<u>"</u>	<u>"</u>	<u>62300</u>	<u>27.8</u>	<u>28</u>			
		<u>"</u>	<u>56</u>	<u>"</u>	<u>"</u>	<u>62500</u>	<u>27.9</u>	<u>29</u>			
		<u>"</u>	<u>59</u>	<u>"</u>	<u>"</u>	<u>62000</u>	<u>27.7</u>	<u>23</u>			

Fee £ : :

Expenses £ : :

£ : :

To be paid by

© 2019 David Jones.
Surveyor, Lloyd's Register,
Lloyd's Register
Foundation