



No. 4099

TESTS OF BOILER STEEL.

Tests of 15 Steel *pl.* manufactured by *The Steel Co Scotland* of *Blochairs*
for Boiler No. *122* to be constructed by *J & F Thomson* of *Glasgow*
for *Workman Clark no 45.*

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 *7* 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>Front Tube</i>	<i>E320</i>	<i>8992</i>	<i>41</i>	<i>132</i>	<i>934</i>	<i>26.95</i>	<i>28.7</i>	<i>22.</i>		
	<i>C. Ch-back</i>	<i>I389</i>	<i>2590</i>	<i>51</i>	<i>132</i>	<i>673</i>	<i>19.0</i>	<i>28.2</i>	<i>20.</i>		
	<i>Fur. front</i>	<i>K390</i>	<i>9029</i>	<i>69</i>	<i>121</i>	<i>835</i>	<i>24.85</i>	<i>29.7</i>	<i>26.</i>		
	<i>Front top</i>	<i>E328</i>	<i>3264</i>	<i>83</i>	<i>13</i>	<i>1079</i>	<i>30.3</i>	<i>28.0</i>	<i>21.5</i>		
	<i>Fur. front</i>	<i>L389</i>	<i>3241</i>	<i>68</i>	<i>13</i>	<i>884</i>	<i>25.65</i>	<i>28.8</i>	<i>20.5</i>		
	<i>Furnace</i>	<i>G386</i>	<i>3250</i>	<i>505</i>	<i>114</i>	<i>575</i>	<i>16.69</i>	<i>29.0</i>	<i>21.0</i>		<i>11 plates cut from 6 plates</i>
	<i>Fur. strap</i>	<i>C332</i>	<i>3238</i>	<i>57</i>	<i>114</i>	<i>65</i>	<i>17.83</i>	<i>27.4</i>	<i>23.</i>		

D.P.
21/12/56

Fee £ : :

Expenses £ : :

£ : :

To be paid by _____

John Sanderford

Surveyor, Lloyd's Register,

Glasgow

11/12/86