

No. 8423

(Received at London Office)



TESTS OF BOILER STEEL.

Tests of 10 Steel plates manufactured by *The Steel Co. of Scotland of Blochain* for Boiler No. *2116* to be constructed by *Hawthorn Leslie & Co. of Newcastle* for *their S/S No. 287*

Date first visit *12/9/88* last visit *20/9/88* 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 *to a shearing off each plate with satisfactory results.*

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. <i>Dimensions</i>	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.		
1	<i>13-6 x 57 7/8 x 1/16</i>	<i>B.288</i>		<i>328</i>	<i>1.1</i>	<i>1.29</i>	<i>1.419</i>	<i>41.4</i>	<i>29.1</i>	<i>24.5</i>	
2	<i>End plate 14</i>	<i>M.311</i>		<i>416</i>	<i>1.27</i>	<i>1.28</i>	<i>1.626</i>	<i>47.6</i>	<i>29.2</i>	<i>30</i>	
3	"	<i>H.306</i>		<i>418</i>	<i>1.28</i>	"	<i>1.638</i>	<i>47.75</i>	<i>29.1</i>	<i>25</i>	
4	"	<i>J.280</i>		<i>5610</i>	<i>.93</i>	<i>1.38</i>	<i>1.283</i>	<i>37.6</i>	<i>29.3</i>	<i>24.5</i>	
5	<i>2-6 x 26 1/4</i>	<i>E.254</i>		<i>5618</i>	<i>1.28</i>	<i>1.28</i>	<i>1.638</i>	<i>48.5</i>	<i>29.6</i>	<i>25</i>	
6	<i>End plate 7/8</i>	<i>Stock</i>		<i>5619</i>	<i>.88</i>	<i>1.2</i>	<i>1.056</i>	<i>30.85</i>	<i>29.2</i>	<i>23.5</i>	
7	"	<i>M.308</i>		<i>581</i>	<i>1.28</i>	"	<i>1.536</i>	<i>46.1</i>	<i>30.0</i>	<i>25</i>	

Fee £ : :
Expenses £ : :
£ : :

To be paid by



H. Roberts
Surveyor, Lloyd's Register.

Lloyd's Register
Foundation

20/9/88