

*J. S. Southgate, W. Rpl. Report No. 5201.*

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

No. **593.**

(Received in London Office) RECEIVED 4th NOV. 82

**TESTS OF BOILER STEEL.**

Tests of **28** Steel plates manufactured by *the Steel Co. of Scotland at Blochairn, Glasgow.*  
 for Boiler No. **851** to be constructed by *Messrs Blair & Co. of Stockton on Tees*  
 for steam vessel **No 88** building by *Messrs Turnbull & Sons.*  
 Date first visit *30th Sept/82* last visit *18th Oct/82* No. of Visits **6**

The ~~test~~ plates specified in the accompanying copy of Advice Notes were rolled from **19** charges. The tensile test has been applied to **3** samples as set forth below, and the temper and bending tests ~~to~~ *to* samples representative of every plate advised. *They were all 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>1</i>	<i>Furnace Crown</i>	<i>181</i>	<i>1</i>	<i>2594</i>	<i>.55</i>	<i>1.15</i>	<i>.632</i>	<i>18.5</i>	<i>29.2</i>	<i>25.</i>	
<i>2</i>	<i>Comb. C. Side</i>	<i>072</i>	<i>1</i>	<i>1289</i>	<i>.5</i>	<i>1.01</i>	<i>.505</i>	<i>14.5</i>	<i>28.7</i>	<i>21.</i>	
<i>3</i>	<i>Back Tube plate</i>	<i>7823</i>	<i>2</i>	<i>1405</i>	<i>.8</i>	<i>1.17</i>	<i>.936</i>	<i>25.05</i>	<i>26.7</i>	<i>24.</i>	

*N.B. The samples used for tensile tests & all the plates were annealed.*

*Am 4/11/82*

Fee ..... £ : :  
 Expenses £ : :  
 £ : :

To be paid by *the Steel Co. L<sup>td</sup> of Glasgow*

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 William Kelso  
 Surveyor, Lloyd's Register  
 11/11/82

Warrlepool



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