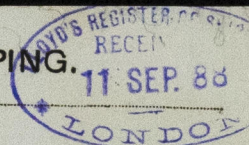


No. 8549

(Received at London Office,



# TESTS OF BOILER STEEL.

Tests of *Steel plate* manufactured by *The Steel Co. of Scotland* of *Glasgow*  
for Boiler No. *43* to be constructed by *S. Rolfe & Sons* of *Liverpool*  
for *C. J. Biffen's S/S No. 12*

Date first visit *21/8/88* last visit *7/9/88* No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 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.	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.	Brth.	Area.	Total	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	<i>Botm Front</i>	<i>13/16 G.242</i>		<i>892</i>	<i>.86</i>	<i>1.23</i>	<i>1.058</i>	<i>30.5</i>	<i>28.8</i>	<i>23.5</i>	<i>Cross piece</i>
2	<i>F.T.P</i>	<i>7/8 E.236</i>		<i>901</i>	<i>.91</i>	<i>1.2</i>	<i>1.092</i>	<i>31.75</i>	<i>29.0</i>	<i>23.5</i>	
3	<i>Straps</i>	<i>1 C.243</i>		<i>997</i>	<i>1.01</i>	<i>1.38</i>	<i>1.394</i>	<i>39.0</i>	<i>27.9</i>	<i>27.5</i>	
4	<i>Firebox</i>	<i>9/16 G.248</i>		<i>9033</i>	<i>.58</i>	<i>1.42</i>	<i>.824</i>	<i>22.4</i>	<i>27.1</i>	<i>22.5</i>	

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

To be paid by

*J. H. Roberts*  
Surveyor, Lloyd's Register.  
*Glasgow*  
*8/9/88*