

No. 6980

(Received in London Office,

## TESTS OF BOILER STEEL.

Tests of *P* Steel plate manufactured by *The Steel Co of Scotland of Blochairn*  
for Boiler No. *232* to be constructed by *Wm. Dutton Horbett of Glasgow*  
for the *S.S. N. 14* building by *S. W. Knight & Co. Glasgow*  
Date first visit *5/3/88* last visit *20/3/88* No. of visits

The specified in the accompanying copy of Advice Notes were rolled from  
charges. The tensile test has been applied to *3* samples as set forth below,  
and the temper and bending tests *to a shearing off each plate with*  
*Satisfactory results.*

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>End plate 3/4 B. 44</i>			<i>99</i>	<i>.78</i>	<i>1.4</i>	<i>1.092</i>	<i>31.5</i>	<i>28.8</i>	<i>23.5</i>	
<i>2</i>	<i>Firebox 1/2 G. 85</i>			<i>4541</i>	<i>.5</i>	<i>1.19</i>	<i>.595</i>	<i>17.15</i>	<i>28.8</i>	<i>24.5</i>	
<i>3</i>	<i>R.R. tube plate "</i>			<i>4533</i>	<i>.52</i>	<i>1.28</i>	<i>.666</i>	<i>18.7</i>	<i>28.0</i>	<i>26</i>	

*D.P.*  
*28/3/88*

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

*J. H. Roberts*  
Surveyor, Lloyd's Register,  
*Glasgow*  
*20/3/88*