

(Received in London Office,



# TESTS OF BOILER STEEL.

Tests of 9 Steel Plate manufactured by Messrs J. M. Beardmore of Parkhead, Glasgow  
for Boiler No. 163 to be constructed by Messrs. Wigham Richardson of Newcastle  
for Messrs J. & W. Smith's S.S. No. 88

Date first visit 20/8/83 last visit 13/9/83 No. of Visits 3

The Plate specified in the accompanying copy of Advice Notes were rolled from  
charges. The tensile test has been applied to 2 samples as set forth below,  
and the temper and bending tests to a shearing from 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.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
	<u>7' 10" x 4 1/2" x 3/8"</u>	<u>X243</u>		<u>1835</u>	<u>.42</u>	<u>1.48</u>	<u>.621</u>	<u>16.6</u>	<u>26.7</u>	<u>27</u>	
	<u>5' 8 1/2" x 28 1/2" x 1/2"</u>	<u>X214</u>		<u>1204</u>	<u>.53</u>	<u>1.47</u>	<u>.779</u>	<u>22.35</u>	<u>28.6</u>	<u>23.5</u>	

D. J.  
19/9/83

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Fee ..... £ : :

Expenses £ : :

£ : :

M. M. Andrew  
Surveyor, Lloyd's Register,

To be paid by Messrs J. M. Beardmore

NWC790-0184

Glasgow  
18/9/83