

No. 102

(Received in London Office,



TESTS OF BOILER STEEL.

Tests of 14 Steel Plates manufactured by The Mandat Iron Co of Amsterdam
for Boiler No. 289 to be constructed by Wm. Gales & Co (Linn) of Edin.
for

Date first visit June 26th last visit June 29th No. of Visits Two

The Plates 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 samples cut from each plate,
with satisfactory results.

When a second test is required 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>13' 2 1/2" x 4' 4" x 3/8"</u>	<u>659</u>	<u>✓</u>	<u>659</u>	<u>.86</u>	<u>1.53</u>	<u>1.315</u>	<u>39.95</u>	<u>30.3</u>	<u>20.75</u>	
	<u>14' 1" x 4' 4" x 3/8"</u>	<u>663</u>	<u>✓</u>	<u>663</u>	<u>B.88</u>	<u>1.51</u>	<u>1.328</u>	<u>35.71</u>	<u>26.8</u>	<u>21.75</u>	
	<u>3.7 x 2.0 x 3/4"</u>	<u>654</u>	<u>✓</u>	<u>654</u>	<u>B.75</u>	<u>1.51</u>	<u>1.132</u>	<u>32.81</u>	<u>28.9</u>	<u>29</u>	

Fee £ : :

Expenses £ : :

£ : :

To be paid by Manufacturers.

James Lambey
Surveyor, Lloyd's Register,
London

D. G.
1/1/85