

TESTS OF BOILER STEEL

Tests of 2 1/2 Steel plates manufactured by The Steel Co. of Scotland of Glasgow
 for Boiler No. 283 to be constructed by James Cairley of Dundee
 for the SS "Haverley" (No. 132) building by the same firm
 Date first visit 9/5 last visit 31/5 No. of visits 4

The specifications specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to 7 samples as set forth below,
 and the temper and bending tests 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.		
	<u>Straps</u>	<u>D.112</u>		<u>3553</u>	<u>.505</u>	<u>1.17</u>	<u>.591</u>	<u>18.0</u>	<u>30.4</u>	<u>19</u>	<u>Rejected</u>
	<u>8-3 1/2 x 38 1/2 x 1/16</u>	<u>D.111</u>		<u>3609</u>	<u>.43</u>	<u>1.16</u>	<u>.499</u>	<u>14.7</u>	<u>29.4</u>	<u>23</u>	
	<u>3-9 x 21 x 3/4</u>	<u>H.151</u>		<u>3659</u>	<u>.76</u>	<u>1.17</u>	<u>.889</u>	<u>24.2</u>	<u>27.2</u>	<u>22</u>	<u>cross piece</u>
	<u>1-11 1/2 x 18 3/4 x "</u>	<u>Nil</u>		<u>3698</u>	<u>.75</u>	<u>1.29</u>	<u>.968</u>	<u>28.6</u>	<u>29.5</u>	<u>23</u>	<u>do</u>
	<u>Shell Strap</u>	<u>Nil</u>		<u>3773</u>	<u>No test (stock plate)</u>						<u>Rejected</u>
	<u>Straps</u>	<u>G.150</u>		<u>4600</u>	<u>.5</u>	<u>1.17</u>	<u>.585</u>	<u>16.8</u>	<u>28.7</u>	<u>24</u>	
	<u>Shell Strap</u>	<u>A.123</u>		<u>8899</u>	<u>1.08</u>	<u>1.14</u>	<u>1.231</u>	<u>34.3</u>	<u>27.8</u>	<u>25.5</u>	
	<u>Doubling plate</u>	<u>L.116</u>		<u>8800</u>	<u>1.03</u>	<u>1.16</u>	<u>1.195</u>	<u>32.87</u>	<u>27.5</u>	<u>29</u>	

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by



Surveyor, Lloyd's Register.

Glasgow
3/6/87

D.F.
14/6/87

Messrs Lowrey Bros.
No. 283 B.
For S.S. "Waverley"



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Foundation