

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

3260.

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 35 Steel plates manufactured by *Clydesdale Iron & Steel Co. of Motherwell*
for Boiler No. *180* to be constructed by *D. J. Dunlop & Co. of Port Glasgow*
for *S.S. building by D. J. Dunlop & Co.*

Date first visit *28th Dec. 1885* last visit *15th Jan. 1886* No. of visits *4*

The *plates* specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to *8* samples as set forth below,
and the temper and bending tests *to samples representative of each*
plate advised all of which proved satisfactory

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.		
1	<i>12-4 1/2 x 60 1/2 x 1 1/8</i>	<i>A 16</i>	✓	<i>1040</i>	<i>1.04</i>	<i>1.235</i>	<i>1.284</i>	<i>36.2</i>	<i>28.1</i>	<i>24</i>	
2	<i>4-6 x 60 1/2 x 1 1/8</i>	<i>D 456</i>	✓	<i>1249</i>	<i>.79</i>	<i>1.24</i>	<i>.999</i>	<i>25.9</i>	<i>26.4</i>	<i>26</i>	
3	<i>4-2 x 34 x 1 1/8</i>	<i>A 11</i>	✓	<i>1250</i>	<i>.525</i>	<i>1.24</i>	<i>.651</i>	<i>14.95</i>	<i>24.5</i>	<i>25</i>	
4	<i>3-2 x 34 x 1 1/8</i>	<i>D 454</i>	✓	<i>1102</i>	<i>1.12</i>	<i>1.235</i>	<i>1.383</i>	<i>34.35</i>	<i>24</i>	<i>24</i>	
5	<i>Boiler Back 29/32</i>	<i>A 10</i>	✓	<i>1516</i>	<i>.9</i>	<i>1.29</i>	<i>1.161</i>	<i>33.2</i>	<i>28.5</i>	<i>24</i>	
6	<i>Side Fire Box Back</i>	<i>D 454</i>	✓	<i>1642</i>	<i>.485</i>	<i>1.29</i>	<i>.625</i>	<i>18.4</i>	<i>29.4</i>	<i>26</i>	
7	<i>13-2 x 54 x 1 1/8</i>	<i>B 346</i>	✓	<i>1485</i>	<i>.89</i>	<i>1.285</i>	<i>1.143</i>	<i>31.5</i>	<i>27.5</i>	<i>23.5</i>	
8	<i>5-3 x 4-4 x 48 1/2 x 1 1/8</i>	<i>B 383</i>	✓	<i>2124</i>	<i>.495</i>	<i>1.315</i>	<i>1.045</i>	<i>28.5</i>	<i>27.2</i>	<i>22</i>	<i>22/1/86</i>

Fee £ : :

Expenses £ : :

£ : :

To be paid by *Manufacturers*

Surveyor, Lloyd's Register.

*Glasgow*Foundation *21/1/86*

WRH305 02W

Males. Consett. Anglo Steel Co. Glasgow