

# Glasgow Reports Nos 6650 & 6442

No. 1594

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office,



## TESTS OF BOILER STEEL.

Tests of 232 Steel Plates manufactured by Messrs. J. W. Beardmore of Parkhead, Glasgow for Boiler No. 203 to be constructed by Messrs. Dorman, Stewart & Co., Glasgow for Messrs. Burrell & Sons, P. P. No. 27 & 28.

Date first visit 19/11/83 last visit 3/12/83 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        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.		
	<u>11/4 x 61 x 9/16</u>	<u>A345</u>		<u>453</u>	<u>.56</u>	<u>1.05</u>	<u>.588</u>	<u>16.65</u>	<u>28.3</u>	<u>31</u>	
	<u>4 3/8 x 27 x 5/8</u>	<u>F188</u>		<u>454</u>	<u>.62</u>	<u>1.3</u>	<u>.806</u>	<u>23.04</u>	<u>28.5</u>	<u>28</u>	
	<u>11/4 x 63/4 x 9/16</u>	<u>F176</u>		<u>506</u>	<u>.59</u>	<u>1.11</u>	<u>.654</u>	<u>18.9</u>	<u>28.8</u>	<u>30</u>	
	<u>11/4 x 61 x 9/8</u>	<u>B282</u>		<u>552</u>	<u>.62</u>	<u>1.3</u>	<u>.806</u>	<u>22.75</u>	<u>28.2</u>	<u>26</u>	
	<u>4 0/2 dia. x 9/16</u>	<u>B189</u>		<u>557</u>	<u>.54</u>	<u>1.43</u>	<u>.772</u>	<u>21.28</u>	<u>27.5</u>	<u>30</u>	
	<u>6" x 33 x 3/4</u>	<u>B282</u>		<u>560</u>	<u>.76</u>	<u>1.2</u>	<u>.912</u>	<u>25.1</u>	<u>27.5</u>	<u>32</u>	
	<u>4 3/8 x 27 x 5/8</u>	<u>D324</u>		<u>452</u>	<u>.63</u>	<u>1.3</u>	<u>.819</u>	<u>22.95</u>	<u>28</u>	<u>28</u>	
	<u>6" x 33 x 3/4</u>	<u>D89</u>		<u>589</u>	<u>.72</u>	<u>1.3</u>	<u>.936</u>	<u>25.88</u>	<u>27.6</u>	<u>20</u>	
	<u>5 1/2 x 84 x 7/16</u>	<u>D28</u>		<u>575</u>	<u>.46</u>	<u>1.48</u>	<u>.68</u>	<u>19.37</u>	<u>28.4</u>	<u>30</u>	
	" " "	<u>A357</u>		<u>579</u>	<u>.46</u>	<u>1.48</u>	<u>.68</u>	<u>18.8</u>	<u>27.6</u>	<u>27</u>	
	<u>9.0 x 60 x 7/16</u>	<u>A332</u>		<u>736</u>	<u>.46</u>	<u>1.3</u>	<u>.598</u>	<u>16.53</u>	<u>27.6</u>	<u>26</u>	
	" " "	<u>F355</u>		<u>696</u>	<u>.46</u>	<u>1.3</u>	<u>.598</u>	<u>16.44</u>	<u>27.4</u>	<u>28</u>	
	<u>8.9 1/2 x 60 x 7/16</u>	<u>F355</u>		<u>704</u>	<u>.47</u>	<u>1.3</u>	<u>.611</u>	<u>16.85</u>	<u>27.5</u>	<u>26</u>	
	" " "	<u>F355</u>		<u>705</u>	<u>.47</u>	<u>1.3</u>	<u>.611</u>	<u>16.86</u>	<u>27.5</u>	<u>21</u>	
	" " "	<u>A336</u>		<u>707</u>	<u>.47</u>	<u>1.3</u>	<u>.611</u>	<u>17.03</u>	<u>27.8</u>	<u>29</u>	
	" " "	<u>A335</u>		<u>703</u>	<u>.46</u>	<u>1.3</u>	<u>.598</u>	<u>16.73</u>	<u>27.9</u>	<u>26</u>	
	<u>11/4 x 56 x 9/8</u>	<u>K307</u>		<u>625</u>	<u>.66</u>	<u>1.3</u>	<u>.858</u>	<u>24.75</u>	<u>28.8</u>	<u>28</u>	
	<u>5 1/2 x 84 x 7/16</u>	<u>F326</u>		<u>619</u>	<u>.44</u>	<u>1.46</u>	<u>.642</u>	<u>18.35</u>	<u>28.5</u>	<u>26</u>	
	" " "	<u>F326</u>		<u>621</u>	<u>.46</u>	<u>1.44</u>	<u>.662</u>	<u>18.22</u>	<u>27.5</u>	<u>31</u>	
	<u>4 3/8 x 27 x 5/8</u>	<u>F350</u>		<u>1777</u>	<u>.61</u>	<u>1.3</u>	<u>.793</u>	<u>21.</u>	<u>26.4</u>	<u>28</u>	
	<u>6" x 33 x 3/4</u>	<u>A357</u>		<u>747</u>	<u>.73</u>	<u>1.3</u>	<u>.949</u>	<u>24.75</u>	<u>26.</u>	<u>29</u>	
	<u>6" x 33 x 3/4</u>	<u>F332</u>		<u>257</u>	<u>.75</u>	<u>1.01</u>	<u>.757</u>	<u>21.1</u>	<u>27.8</u>	<u>24</u>	
	<u>3.9 1/2 dia. x 9/16</u>	<u>A355</u>		<u>293</u>	<u>.58</u>	<u>1.26</u>	<u>.73</u>	<u>20.24</u>	<u>27.8</u>	<u>27</u>	
	<u>9.0 x 60 x 7/16</u>	<u>A391</u>		<u>341</u>	<u>.46</u>	<u>1.44</u>	<u>.662</u>	<u>19.2</u>	<u>29.</u>	<u>22</u>	

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10/1/84

Fee ..... £ : :  
Expenses £ : :  
£ : :

To be paid by Messrs. J. W. Beardmore Glasgow  
GLS200-0126 9/1/84

Mr Parker  
10/1/84

D. Stewart & Co  
SS 27/28



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LISTS OF BOILER SHEET

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING