

No. 6214

(Received at London Office)



TESTS OF BOILER STEEL.

Tests of 86 Steel bars manufactured by The Steel Co<sup>y</sup> of Scotland of Newton  
 for Boiler No. 256/7 to be constructed by M<sup>r</sup> Swain Lewis & Co<sup>y</sup> of Belfast  
 for Messrs Harland & Wolffs No 212 St.

Date first visit 29-12-87 last visit 10-1-88 No. of visits ✓

The \_\_\_\_\_ specified in the accompanying copy of Advice Notes were rolled from \_\_\_\_\_ charges. The tensile test has been applied to 12 samples as set forth below, and the temper and bending tests applied to sample from each bar 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>Rounds 3/4 dia</u>	<u>B485</u>		<u>412</u>	<u>1.19 dia</u>	<u>1.112</u>	<u>31.8</u>	<u>28.6</u>	<u>34</u>		
	"	"		<u>416</u>	<u>1.19</u>	<u>1.112</u>	<u>31.7</u>	<u>28.5</u>	<u>29.5</u>		
	"	"		<u>424</u>	<u>1.19</u>	<u>1.112</u>	<u>31.6</u>	<u>28.4</u>	<u>29</u>		
	"	"		<u>428</u>	<u>1.19</u>	<u>1.112</u>	<u>31.8</u>	<u>28.6</u>	<u>34</u>		
	<u>2</u>	<u>D229</u>		<u>252</u>	<u>1.19</u>	<u>1.112</u>	<u>31.9</u>	<u>28.6</u>	<u>33</u>		
	"	"		<u>255</u>	<u>1.19</u>	<u>1.112</u>	<u>31.7</u>	<u>28.5</u>	<u>33</u>		
	"	"		<u>218</u>	<u>1.19</u>	<u>1.112</u>	<u>31.6</u>	<u>28.4</u>	<u>29</u>		
	"	"		<u>230</u>	<u>1.19</u>	<u>1.112</u>	<u>31.9</u>	<u>28.6</u>	<u>31</u>		
	<u>1/4</u>	<u>B325</u>		<u>284</u>	<u>1.26</u>	<u>1.247</u>	<u>32.8</u>	<u>26.3</u>	<u>32</u>		
	"	"		<u>292</u>	<u>1.25</u>	<u>1.227</u>	<u>34</u>	<u>27.7</u>	<u>28.5</u>		
	"	"		<u>300</u>	<u>1.25</u>	<u>1.227</u>	<u>34.6</u>	<u>28.2</u>	<u>33</u>		
	"	"		<u>308</u>	<u>1.26</u>	<u>1.247</u>	<u>34.7</u>	<u>27.8</u>	<u>30</u>		

*AS*  
18.1.88

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

To be paid by

© 2019  
  
 M. Sibson  
 Surveyor, Lloyd's Register.  
 Glasgow  
 13-1-88

BESS-0077

