

No. 2142

(Received at London Office,

21 AUG. 88

TESTS OF BOILER STEEL.

Tests of Steel Plates manufactured by Graysale Iron Works Co of Spennymoor
 for Boiler No. 91 to be constructed by Bailey, Heatham of Hull
 for

Date first visit 13th August last visit 16th August No. of visits

The Plates specified in the accompanying copy of Advice Notes were rolled from
4 charges. The tensile test has been applied to 11 samples as set forth below,
 and the temper and bending tests were good.

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.	T. ns.	Tons.		
	<i>End</i>		<i>6061</i>		<i>.71</i>	<i>1.48</i>	<i>1.05</i>	<i>29.24</i>	<i>27.8</i>	<i>26.</i>	
	<i>Combr. Cur</i>		<i>L</i>		<i>.50</i>	<i>"</i>	<i>.74</i>	<i>20.53</i>	<i>27.4</i>	<i>23</i>	
	<i>Back tube</i>		<i>6060 J</i>		<i>.70</i>	<i>"</i>	<i>1.036</i>	<i>29.46</i>	<i>28.4</i>	<i>26</i>	
	<i>End</i>		<i>6065 G</i>		<i>.75</i>	<i>"</i>	<i>1.11</i>	<i>31.46</i>	<i>28.3</i>	<i>27.</i>	
	<i>Furnace</i>		<i>B</i>		<i>.57</i>	<i>"</i>	<i>.843</i>	<i>23.66</i>	<i>28.0</i>	<i>29</i>	
	<i>Shell</i>		<i>E</i>		<i>.62</i>	<i>"</i>	<i>.917</i>	<i>26.78</i>	<i>29.2</i>	<i>29.</i>	
	<i>Combr. Plat</i>		<i>6077 F</i>		<i>.62</i>	<i>1.5</i>	<i>.93</i>	<i>26.78</i>	<i>28.7</i>	<i>25</i>	
	<i>"</i>		<i>L</i>		<i>.52</i>	<i>"</i>	<i>.78</i>	<i>22.09</i>	<i>28.3</i>	<i>30</i>	
	<i>Furnace</i>		<i>6066 C</i>		<i>.57</i>	<i>"</i>	<i>.765</i>	<i>21.84</i>	<i>28.5</i>	<i>28</i>	<i>Lam. Repeated.</i>
	<i>Butt strap</i>		<i>6043 C</i>		<i>.48</i>	<i>"</i>	<i>.720</i>	<i>20.31</i>	<i>28.2</i>	<i>27.</i>	
	<i>"</i>		<i>2067 D</i>		<i>.48</i>	<i>"</i>	<i>.720</i>	<i>21.42</i>	<i>29.4</i>	<i>26</i>	

MD
21.8.88

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by

Wm. Austin
 Surveyor, Lloyd's Register
West Hartlepool