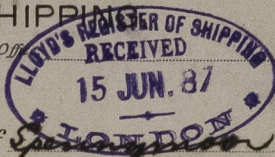


No. 712

TESTS OF BOILER STEEL.



Tests of Steel Plates manufactured by Heardale Iron Works of Spalding
 for Boiler No. 840 to be constructed by T. Richardson & Sons of Hartlepool
 for

Date first visit 3rd June '87 Last visit _____ No. of visits 1

The Plates specified in the accompanying copy of Advice Notes were rolled from
S charges. The tensile test has been applied to 10 samples as set forth below,
 and the temper and bending tests were 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.

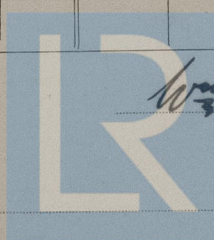
No.	Purpose.	Charge Mark.	No. of plates or bars in same charge.	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 8 ins. %	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.		
	<u>Furnace crown</u>		<u>3472</u>	<u>G</u>	<u>.64</u>	<u>1.49</u>	<u>.983</u>	<u>26.78</u>	<u>28.1</u>	<u>30</u>	
	<u>" bottoms</u>		<u>3451</u>	<u>G</u>	<u>.62</u>	<u>"</u>	<u>.923</u>	<u>26.88</u>	<u>28.5</u>	<u>23</u>	
	<u>" "</u>		<u>"</u>	<u>"</u>	<u>.62</u>	<u>"</u>	<u>.923</u>	<u>26.56</u>	<u>28.7</u>	<u>25</u>	
	<u>" Straps</u>		<u>3472</u>	<u>G</u>	<u>.49</u>	<u>"</u>	<u>.730</u>	<u>20.53</u>	<u>28.1</u>	<u>26</u>	
	<u>" "</u>		<u>"</u>	<u>"</u>	<u>.48</u>	<u>"</u>	<u>.715</u>	<u>20.08</u>	<u>28.0</u>	<u>24</u>	
	<u>Back Tube</u>		<u>3652</u>	<u>G</u>	<u>.81</u>	<u>"</u>	<u>1.206</u>	<u>34.37</u>	<u>28.4</u>	<u>23</u>	
	<u>Front "</u>		<u>"</u>	<u>S</u>	<u>.74</u>	<u>"</u>	<u>1.102</u>	<u>31.28</u>	<u>28.3</u>	<u>26</u>	
	<u>" top</u>		<u>3498</u>	<u>"</u>	<u>1.00</u>	<u>"</u>	<u>1.490</u>	<u>42.81</u>	<u>28.7</u>	<u>24</u>	
	<u>Shell straps</u>		<u>3499</u>	<u>"</u>	<u>.90</u>	<u>"</u>	<u>1.341</u>	<u>39.28</u>	<u>29.2</u>	<u>27</u>	
	<u>Furnace front</u>		<u>"</u>	<u>G</u>	<u>.78</u>	<u>"</u>	<u>1.417</u>	<u>32.14</u>	<u>28.7</u>	<u>27</u>	

Fee £ : :

Expenses £ : :

£ : :

To be paid by



Wm R. Austin

Surveyor, Lloyd's Register.

West Hartlepool

D.P.
16/6/87