



TESTS OF BOILER STEEL.

Tests of 32 Steel Stay manufactured by Weardale Iron & Coal Co. of Spennymoor for Boiler No. 1970 to be constructed by Blair & Co. of Stockton for

Date first visit Dec. 22<sup>d</sup>. 87 last visit Jan'y 9<sup>th</sup>. 88 No. of visits Two

The Stay specified in the accompanying copy of Advice Notes were rolled from one charge. The tensile test has been applied to 5 samples as set forth below, and the temper and bending tests have proved 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>Stay</u> <u>3 7/8</u>	<u>4654</u>		<u>6</u>	<u>1.75</u>	<u>---</u>	<u>2.40</u>	<u>65.41</u>	<u>27.20</u>	<u>23.00</u>	
	<u>"</u> <u>"</u>	<u>4658</u>		<u>3</u>	<u>1.74</u>	<u>---</u>	<u>2.37</u>	<u>62.50</u>	<u>26.30</u>	<u>28.00</u>	
	<u>"</u> <u>3 3/4</u>	<u>4642</u>		<u>24</u>	<u>1.75</u>	<u>---</u>	<u>2.40</u>	<u>64.96</u>	<u>27.00</u>	<u>26.00</u>	
	<u>"</u> <u>3 1/2</u>	<u>---</u>		<u>41</u>	<u>1.79</u>	<u>---</u>	<u>2.51</u>	<u>64.28</u>	<u>25.60</u>	<u>10.00</u>	<u>one Bar rejected</u>
	<u>"</u> <u>3 1/2</u>	<u>4642</u>		<u>1</u>	<u>1.75</u>	<u>---</u>	<u>2.40</u>	<u>66.66</u>	<u>27.50</u>	<u>27.00</u>	<u>to replace no. 41</u>

*Alf*  
21.1.88

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

© 2021  
*Henri Wilkinson*  
Surveyor, Lloyd's Register  
Foundry West, Hartlepool