

No. 3386.

TESTS OF BOILER STEEL.

Tests of 113 Steel bars manufactured by *the Ince and S.L. Co.* of *Muncaster*
 for Boiler No. 8 to be constructed by *the Cent. M^{rs} Eng^{rs}* of *W. Hartlepool*
 for *S.P. no 314* building by *W. Gray & Co.*

Date first visit *-* last visit *20.2.86* No. of visits *Constant attendance*

The *bars* specified in the accompanying copy of Advice Notes were rolled from *-* charges. The tensile test has been applied to *9* samples as set forth below, and the temper and bending tests *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. <i>Dimensions.</i>	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.	Brlth.	Area.	Total.	Sq. Inch		
					Inch.	Inch.	Inch.	Tons.	Tons.		
1.	<i>2 3/8" dr.</i>	<i>D673</i>	<i>12</i>	<i>3</i>	<i>.99</i>	<i>dr.</i>	<i>.769</i>	<i>22.0</i>	<i>28.6</i>	<i>26.</i>	
2.	<i>2 1/4 "</i>	<i>"</i>	<i>28</i>	<i>8</i>	<i>1.0</i>	<i>"</i>	<i>.785</i>	<i>22.3</i>	<i>28.4</i>	<i>28.</i>	
3.	<i>"</i>	<i>"</i>		<i>16</i>	<i>1.0</i>	<i>"</i>	<i>.785</i>	<i>22.5</i>	<i>28.6</i>	<i>26.</i>	
4.	<i>1 5/8 "</i>	<i>F384</i>	<i>3</i>	<i>240</i>	<i>1.0</i>	<i>"</i>	<i>.785</i>	<i>22.3</i>	<i>28.4</i>	<i>24.</i>	
5.	<i>1 1/2 "</i>	<i>"</i>	<i>7</i>	<i>257</i>	<i>.99</i>	<i>"</i>	<i>.769</i>	<i>22.3</i>	<i>28.9</i>	<i>29.</i>	
6.	<i>1 3/8 "</i>	<i>"</i>	<i>23</i>	<i>242</i>	<i>1.0</i>	<i>"</i>	<i>.785</i>	<i>23.5</i>	<i>29.9</i>	<i>23.</i>	
7.	<i>"</i>	<i>"</i>		<i>253</i>	<i>1.0</i>	<i>"</i>	<i>.785</i>	<i>22.2</i>	<i>28.2</i>	<i>26.</i>	
8.	<i>3/4 "</i>	<i>H277</i>		<i>3</i>	<i>.72</i>	<i>"</i>	<i>.407</i>	<i>11.6</i>	<i>28.5</i>	<i>25.</i>	
9.	<i>"</i>	<i>"</i>	<i>40</i>	<i>12</i>	<i>.72</i>	<i>"</i>	<i>.407</i>	<i>11.5</i>	<i>28.2</i>	<i>23.</i>	

M 25.2.86

Fee £ : :

Expenses £ : :

£ : :

To be paid by

the Ince and S.L. Co.



Chas Burnley
 Surveyor, Lloyd's Register.
27/2/86
 Lloyd's Register
 Foundation