

No. 8440

(Received at London Office,

25 SEP 88

TESTS OF BOILER STEEL.

Tests of *S-7* Steel plates manufactured by *The Steel Co of Scotland of Blocharn* for Boiler No. *AH* to be constructed by *S. Holt & Son* of *Liverpool* for a *St building by Harvey & Co of Hayle (Cornwall)*

Date first visit *18/9/88* last visit *22/9/88* 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 *to a shearing off each plate 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	Brlth.	Area.	Total	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	F.T.P. <i>13/16</i>	<i>0.239</i>		<i>5249</i>	<i>.84</i>	<i>1.52</i>	<i>1277</i>	<i>38.2</i>	<i>29.9</i>	<i>23</i>	
2	Gusset Stays <i>5/8</i>	<i>H315</i>		<i>6146</i>	<i>.65</i>	<i>1.3</i>	<i>845</i>	<i>24.4</i>	<i>28.8</i>	<i>26.5</i>	<i>Cross piece</i>
3	F.T.P. <i>13/16</i>	<i>H315</i>		<i>665</i>	<i>.84</i>	<i>1.15</i>	<i>966</i>	<i>26.0</i>	<i>26.9</i>	<i>24.5</i>	
4	End plate <i>7/8</i>	<i>G276</i>		<i>670</i>	<i>.9</i>	<i>1.18</i>	<i>1062</i>	<i>31.4</i>	<i>29.5</i>	<i>23</i>	
5	Straps <i>15/16</i>	<i>F280</i>		<i>687</i>	<i>.995</i>	<i>"</i>	<i>1174</i>	<i>34.9</i>	<i>29.7</i>	<i>21.5</i>	
6	End plate <i>7/8</i>	<i>H316</i>		<i>701</i>	<i>.925</i>	<i>"</i>	<i>1092</i>	<i>30.85</i>	<i>28.2</i>	<i>22</i>	
7	<i>5-4 x 58 x 3/4</i>	<i>B301</i>		<i>6704</i>	<i>.79</i>	<i>1.36</i>	<i>1074</i>	<i>29.75</i>	<i>27.7</i>	<i>26</i>	<i>Cross piece</i>
8	<i>5-11 x 4 1/2 x "</i>	<i>A293</i>		<i>6770</i>	<i>.77</i>	<i>"</i>	<i>1047</i>	<i>28.6</i>	<i>27.3</i>	<i>23</i>	<i>- do</i>
9	<i>7-5 x 25 x 5/8</i>	<i>B302</i>		<i>6821</i>	<i>.635</i>	<i>1.18</i>	<i>.749</i>	<i>20.1</i>	<i>26.8</i>	<i>27.5</i>	
10	<i>5-4 x 58 x 3/4</i>	<i>B303</i>		<i>6964</i>	<i>.76</i>	<i>1.15</i>	<i>.874</i>	<i>23.5</i>	<i>26.8</i>	<i>26</i>	
11	<i>3-7 x 27 x 5/8</i>	<i>A295</i>		<i>6984</i>	<i>.65</i>	<i>1.35</i>	<i>.878</i>	<i>24.0</i>	<i>27.3</i>	<i>27</i>	
12	<i>8-8 x 58 1/2 x "</i>	<i>D295</i>		<i>7074</i>	<i>.62</i>	<i>1.3</i>	<i>.806</i>	<i>21.6</i>	<i>26.7</i>	<i>27.5</i>	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.

Glasford

22/9/88