



**TESTS OF BOILER STEEL.**

Tests of *10* Steel Plates manufactured by Messrs *D. Colville & Sons* of *Motherwell*  
 for a <sup>*Donkey*</sup> Boiler No. *305* to be constructed by Messrs *A. Stephen & Sons* of *Glasgow*.  
 for \_\_\_\_\_

Date first visit *March 11<sup>th</sup> 1887* last visit *March 24<sup>th</sup> 1887* No. of visits \_\_\_\_\_

The \_\_\_\_\_ specified in the accompanying copy of Advice Notes were rolled from \_\_\_\_\_ charges. The tensile test has been applied to \_\_\_\_\_ samples as set forth below, and the temper and bending tests *to a shearing from each plate*

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.		
<i>1</i>	<i>6.6 x 79 x 67 x 1/2</i>	<i>H274</i>		<i>2256</i>	<i>.57</i>	<i>2.24</i>	<i>1.142</i>	<i>33.20</i>	<i>29.0</i>	<i>23.5</i>	
<i>2</i>	<i>14.8 1/2 x 81 1/2 x 78</i>	<i>H259</i>		<i>2622</i>	<i>.86</i>	<i>1.95</i>	<i>1.677</i>	<i>49.37</i>	<i>29.4</i>	<i>25.5</i>	
<i>3</i>	<i>11.3 x 86 1/2 x 32</i>	<i>H278</i>		<i>3068</i>	<i>.47</i>	<i>1.51</i>	<i>.709</i>	<i>21.42</i>	<i>30.2</i>	<i>26.0</i>	
<i>4</i>	<i>11.3 x 86 1/2 x 32</i>	<i>H266</i>		<i>4254</i>	<i>.49</i>	<i>1.19</i>	<i>.583</i>	<i>17.37</i>	<i>29.7</i>	<i>22.0</i>	

*BP 11/4/87*

Fee ..... £ : :  
 Expenses £ : :  
 £ : :

To be paid by \_\_\_\_\_

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*H.M. Dove*  
 Surveyor, Lloyd's Register,  
 Glasgow  
*30.3.87*