

**TESTS OF BOILER STEEL.**

Tests of 39 Steel plates manufactured by Messrs J. Brown & Co L<sup>d</sup> of Sheffield  
for Boiler No. \_\_\_\_\_ to be constructed by Messrs V. Cook of Belfast  
for  $\frac{2}{16} + \frac{2}{17}$

Date first visit 14<sup>th</sup> Sep<sup>r</sup> last visit 16<sup>th</sup> Sep<sup>r</sup> B. No. of Visits three

The plates specified in the accompanying copy of Advice Notes were rolled from  
11 charges. The tensile test has been applied to 8 samples as set forth below,  
and the temper and bending tests to every 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.		
1	Boilers	316	16	3709	.48	1.28	.61	18.25	29.7	25	8.7" x 2.11" x $\frac{1}{2}$ "
2		316	16	3756	.5	1.89	.945	28.25	29.8	27	" " "
3		252	12	3759	.55	1.62	.89	25.5	28.6	26	3.5" x 2.8" x $\frac{9}{16}$ "
4		327	8	3719	.74	1.25	.925	26.5	28.6	24	5.3" x 5.9" x $\frac{3}{4}$ "
5		262	2	3694	.87	1.06	.922	27	29.2	21	15.8" x 5.11" x $\frac{7}{8}$ "
6		327	8	3726	.75	1.26	.945	28	29.7	26	5.9" x 5.3" x $\frac{3}{4}$ "
7		257	5	3785	.71	1.37	.972	26	26.7	27	6.6" x 4.0" x $\frac{3}{4}$ "
8		252	12	3770	1.17	.79	.824	24	29.1	26	2.10" x 2.3" x 1.8"

Fee ..... £ 1 : 8 : 0  
Expenses £ 1 : 14 : 0  
£ 3 : 2 : 0 To be paid by

