



No. 2431.

TESTS OF BOILER STEEL.

Tests of 28 Steel Plates manufactured by Messrs. D. Colville & Sons of Dalryell, Motherwell for Boiler No. 102 to be constructed by Messrs. Shank & Sons of Arbroath for P.P. W. ~~22~~ Building by Messrs. Pearce & Co.

Date first visit 23 last visit No. of Visits

The 28 steel plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 4 samples as set forth below, and the temper and bending tests 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.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.		
	22.6 x 43 x 7/16	8547		1916	.95	1.16	1.102	32.46	29.4	25.0	
	" " "	"		2794	.98	1.56	1.528	45.56	29.8	28.0	
	9.7 1/2 x 53 1/2 x 9/16	10389		5318	.56	1.38	.772	22.96	29.8	27.5	
	17.0 x 30 x 7/16	2407		8072	.56	1.13	.632	18.38	29.0	26.0	

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by Messrs. D. Colville & Sons Glasgow

Wm Andrews
 Surveyor, Lloyd's Register

W.P.
 30/3/85