

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. No. 22. Building by Messrs. Pearce & Co.

23 Date first visit last visit No. of Visits

The 28 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.

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.		
	42" 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		3318	.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 of Glasgow