

No. 244/4.

(Received in London Office,

# TESTS OF BOILER STEEL.

Tests of 4 Steel plates <sup>5 stay bars</sup> manufactured by Messrs. J. Colville & Sons of Dalrymple, Motherwell for Boiler No. 285 to be constructed by Messrs. The Elder, Ship & Engine Builders Hull. for S.S. No. 285 building by the same firm

Date first visit last visit No. of Visits

The 4 steel plates <sup>5 stay bars</sup> 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 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.	%	
	6.3 1/2 x 22 x 5 1/2 x 5/16	4941		2950	.95	1.32	1.254	37.68	30.0	28.5	
	12.9 x 5.9 x 3/4	8549		3790	.76	1.40	1.064	29.50	27.7	28.5	
	7.9 1/2 x 2.8 x 9/16	4634		8484	.57	1.11	.632	18.34	29.0	24.0	
	Stay bar 2 1/2 dia	B396		14	.93	1.59	1.478	44.11	29.8	25.5	

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by Messrs. J. Colville & Sons

Surveyor, Lloyd's Register,

HUL397-0261