

No. 3876.

(Received in London Office)

13 SEP. 80

TESTS OF BOILER STEEL.

Tests of 28 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 120 to be constructed by Messrs J. Thomson of Glasgow for S.S. *Shah of Victoria*. Ref. 3304

Date first visit *Sept 3<sup>rd</sup> 1886* last visit No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 7 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.		
1	20.3 x 7 1/8 x 1 3/16	K863		64	H9	1.15	1.368	39.50	28.8	27.5	
2	" " " "	K860		134	1.21	1.23	1.488	42.86	28.8	25.5	
3	20.0 x " " "	L929		8182	1.24	1.27	1.574	45.78	29.0	23.0	
4	20.3 x " " "	K854		29	1.27	1.15	1.460	42.50	29.1	24.0	
5	6.0 x 18 7/8 x 1"	Stock		7898	1.0	1.27	1.270	36.65	28.7	23.5	
6	14.3 x 6 3/4 x 5/16	K839		19	.91	1.28	1.164	35.07	30.1	27.0	
7	4.3 x 40 x 4.0 x 4.0 x 5/8	C48		8080	.63	1.65	1.039	29.16	28.0	25.5	

D.P.  
13/9/86

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

To be paid by

Surveyor, Lloyd's Register,

Glasgow

10.9.86