

No. 3351.

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 29 Steel plates manufactured by Messrs J. W. Beardmore of Parkhead for Boiler No. 118 to be constructed by Messrs J. Thomson of Glasgow for S. S. "Cadiz"

Date first visit 5. 2. 86 last visit 9. 2. 86 No. of visits 3

The plates 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 proved satisfactory for each plate advised.

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	6.10 1/2 x 5.2 x 1/2	K24		196	.53	1.24	.657	17.1	26.0	28	
2	" " "	K24		194	.5	1.24	.62	17.64	28.4	29	
3	" " "	Q1		193	.5	1.24	.62	17.16	27.6	25	
4	4.10 x 5.2 x 5/8	A25		190	.64	1.24	.793	23.16	29.2	24	
5	" " "	A267		186	.64	1.24	.793	21.75	27.4	26	
6	6.9 1/2 R x 7.3 x 3/4	M14		2524	.75	1.24	.93	26.8	28.8	28	
7	" " "	B381		253	.75	1.24	.93	27.3	29.3	24	
8	5.8 1/2 x 6.6 x "	A24		224	.77	1.24	.954	25.55	26.7	28	
9	19.2 x 6.8 x 1 1/4	K29		291	1.02	1.1	1.122	31.1	27.9	25	
10	" " "	K28		292	1.02	1.09	1.111	30.74	27.6	21	
11	12.9 x 6.8 x 1 1/8	F17		286	.92	1.09	1.002	28.88	28.8	23	
12	13.6 x 5.7 x 1 1/8	M17		389	.91	1.09	.991	28.4	28.6	21	
13	3.1 x 3.6 x 9/16	A20		1037	.56	1.1	.616	17.37	28.1	26	

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

To be paid by The Manufacturers

Chas. Edwards  
 Surveyor, Lloyd's Register  
 Glasgow  
 10. 2. 86