

TESTS OF BOILER STEEL.

Tests of 59 Steel plates manufactured by The Steel Co. of Scotland of Glasgow for Boilers No. 241 to be constructed by Messrs J. & W. Thomson of Glasgow for the S.S. No. 241 building by the same firm

Date first visit 23/9 last visit 29/9/84 No. of visits 3

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 16 samples as set forth below, and the temper and bending tests to a shearing of each plate, also cold bends (additional) for shell plates. Results satisfactory

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.		Extens. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch		
					Inch.	Inch.	Inch.	Tons.	Tons.	%	
1	Shell	J.257		8944	1.29	1.14	1.471	45.3	30.7	22	Defective Sample Cross piece
2	—	—		"	1.26	1.18	1.487	44.8	30.1	17	
3	—	—		"	1.27	1.31	1.664	47.85	28.7	28.5	
4	—	—		"	"	"	"	47.3	28.4	29.5	Duplicates Cross piece
5	Girders Stays	B.249		9158	1.41	1.12	1.579	45.5	28.8	21.5	— do
6	Shell Straps	C.265		9181	.95	1.29	1.226	33.9	27.6	23	
7	"	B.239		9193	.95	"	"	35.9	29.2	22.5	
8	"	L.221		9194	.97	1.28	1.242	34.5	27.7	26.5	
9	Top End	K.301		9203	.95	1.16	1.102	31.0	28.1	26	Cross piece
10	—	—		"	.94	"	1.09	30.25	27.7	24.5	
11	Top End	C.266		9204	.95	"	1.102	31.2	28.3	25	
12	—	—		"	.95	"	"	31.7	28.7	23	Cross piece
13	Girders Stays	H.234		9218	1.38	1.15	1.587	45.1	28.4	21.5	
14	Furnace Front	C.268		9266	.795	1.33	1.057	34.2	32.3	22.5	Rejected 2 Cross piece
15	—	—		"	.785	"	1.044	34.15	32.7	20	
16	Girders Stays	F.276		9269	1.34	1.15	1.541	45.75	29.6	14	Rejected 16

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by