

No. 3 459

(Received at London Office,

TESTS OF BOILER STEEL

Tests of 44 Steel plate manufactured by The Steel Co. of Scotland of Glasgow for Boilers No. 241 to be constructed by Messrs J. & C. Thomson of Glasgow for the S.S. No. 241 building by the same firm

Date first visit 4/11/87 last visit 10/11/87 No. of visits 4

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 6 samples as set forth below, and the temper and bending tests to a shearing of each plate, 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.	%	
1	Girders Stays	Stock		8507	1.34	1.1	1.474	43.2	29.3	28	Annealed
2	W. Washers	G.310		9345	.92	1.32	1.214	33.55	27.6	26.5	cross piece
3	Shell (D.B.)	0.292		8642	.85	1.34	1.139	31.3	27.4	24.5	
4	Girders Stays	J.326		8647	1.35	1.13	1.526	44.6	29.2	24.5	
5	"	"		8648	"	"	"	43.15	28.2	22.5	
6	"	F.318		8646	"	"	"	44.8	29.3	22	

cut from 6 plates

Adf
16.11.87

Fee £ : :

Expenses £ : :

£ : :

To be paid by