

No. 5649

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 40 Steel plates manufactured by The Steel Co. of Scotland of Lochlainn
for Boilers No. 241 to be constructed by Messrs J. & G. Thomson of Glasgow
for the S. S. No. 241 building by the same firm.

Date first visit 21/10/87 last visit 27/10/87 No. of visits 2

The specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to 8 samples as set forth below,
and the temper and bending tests to a shearing of each plate, 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 plate or bats 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.	
1	Shell	F.301		8985	1.22	1.18	1.44	40.4	28.0	23	Cross piece
2	—	—		"	1.31	"	1.54	43.7	28.2	22	
3	Girders	F.301		8986	1.35	1.14	1.53	44.0	28.6	27.5	
4	Shell Straps	F.302		8987	.94	"	1.07	30.6	28.5	22.5	
5	W. Washers	"		8988	"	"	"	31.85	29.7	27	
6	"	G.305		9019	"	"	"	30.2	28.1	25	
7	Shell	D.281		9020	1.29	"	1.47	42.65	28.9	24	
8	—	—		"	1.28	"	1.45	41.6	28.5	22.5	
Cut from 6 plates											
31.10.87											

Cut from 6 plates

31.10.87

Fee £ : :

Expenses £ : :

£ : :

To be paid by