

No. 8333

(Received at London Office,

15 AUG 88

TESTS OF BOILER STEEL.

Tests of 23 Steel plates manufactured by the Steel Co. of Scotland of Glasgow
for Boiler No. to be constructed by James Gourlay & Co. of Dundee
for the S/S. "Plover"

Date first visit 2/8/88 last visit 13/8/88 No. of visits

The specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to 10 samples as set forth below,
and the temper and bending tests to a shearing off 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.	Briht.	Area.	Total	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	Straps	7/8 J.238		219	.88	1.13	.994	29.6	29.7	22	
2	Shell	1 1/32 J.269		248	1.19	1.31	1.539	45.6	29.2	23	
3	"	F.238		300	1.19	1.19	1.416	39.15	27.6	26	
4	"	J.240		305	1.17	"	1.392	40.1	28.8	26.5	Cross piece
5	Strap	7/8 J.243		397	.905	1.15	1.04	29.3	28.1	23.5	
6	ms. Fuelbox top	5/8 A.241		95	.66	1.1	.726	21.4	29.4	21	
7	C. " Bk	7/8 B.249		114	.9	1.47	1.323	39.4	29.7	23.5	
8	" " Front.	5/8 H.261		122	.64	1.16	.742	22.3	30.0	21.5	
9	" " Sides	9/16 J.237		336.3	.59	"	.684	18.5	27.0	27.5	
10	BK. Tube plate	3/4		155	.795	"	.922	24.6	26.6	27	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.