

No. 4901

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 24 Steel plate manufactured by the Steel Co. of Scotland of Glasgow
for Boiler No. 214 to be constructed by Messrs. Harland and Wolff of Belfast
for ship S.S. No. 214 *British Empire* Bel. Reg. No. 8550.

Date first visit *8/6/88* last visit *18/6/88* No. of visits

The specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to 9 samples as set forth below,
and the temper and bending tests to a sample 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 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	Longitud. pl. 7/8	0.166		304	.895	1.12	1.002	29.9	29.8	21	
2	Shell 1 1/4	M. 104		387	1.2	1.2	1.44	43.0	29.8	17	} Rejected. 1.
3	dup.			"	"	"	"	42.75	29.6	17.5	
4	Shell 1 1/4	J. 189		395	1.22	1.31	1.598	47.0	29.4	23	
5	Straps 3/32	A. 180		400	1.00	1.43	1.43	41.4	28.9	30.5	
6	Shell 1 1/4	H. 202		418	1.22	1.24	1.513	44.7	29.5	22.5	Cross piece
7	"	J. 190		428	"	"	"	44.7	29.5	23	
8	Longitud. pl. 7/8	Stock		4084	.87	1.15	1.00	28.45	28.45	23.5	
9	Stdy. plate 3/4	"		4085	.75	1.13	.848	23.3	27.4	29.5	W.M.D.

Fee £ : :

Expenses £ : :

£ : :

To be paid by

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J. Robert
Surveyor, Lloyd's Register,
Glasgow
18/6/88