

No. 4838

(Received at London Office,

## TESTS OF BOILER STEEL.

Tests of 5 Steel plates manufactured by The Steel Co. of Scotland of Glasgow  
for Boiler No. 214 to be constructed by James Harland & W. of Belfast  
for their S.S. No. 214 British Empire Bel Rep. No. 9550

Date first visit 8/6/88 last visit 13/6/88 No. of visits 2

The specifications 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 off 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	Shell $1\frac{3}{4}$	Stock		108	1.19	1.2	1.428	41.3	28.9	24.5	
2	Front tube pl. $7\frac{1}{8}$	C.162		174	.92	1.45	1.334	37.8	28.3	23	
3	" "	H.198		289	.9	1.37	1.233	37.6	30.4	22.5	Rejected. 1
4	Doubling pl. $\frac{3}{4}$	F.172		215	.775	1.21	.938	30.65	32.6	24	do. 1.
5	C. Cr. $1\frac{1}{32}$	B.181		3435	.6	1.21	.726	20.8	28.6	28.5	
6	BR. Tube pl. $\frac{3}{4}$	A.173		7275	.735	1.17	.86	24.35	28.3	25.5	

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register,

Glasgow  
13/6/88