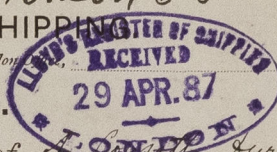


No. 4

(Received in London)



TESTS OF BOILER STEEL.

Tests of 30 Steel plates manufactured by The Cornett Iron Co of Glasgow for Boiler No. 904 to be constructed by Black, Hawthorn & Co of Newcastle for Messrs C. S. Swan & Hunter's S.S. No. 107

Date first visit 22/4/87 last visit 26/4/87 No. of visits —

The plates specified in the accompanying copy of Advice Notes were rolled from 2 charges. The tensile test has been applied to 9 samples as set forth below, and the temper and bending tests Satisfactory.

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.	%	
	Boiler plates	a656	3030		.795	1.575	1.204	34.63	28.7	22.0	
		- " -	3021		.805	1.91	1.537	43.58	28.3	22.5	
		- " -	3020		.795	1.91	1.517	42.95	28.3	22.0	
		a653	2703		.43	1.91	.822	22.3	27.1	25.5	
		- " -	2698		.435	1.91	.831	21.84	26.3	28.5	
		a656	3494		.415	2.0312	.843	23.34	28.8	26.0	
		- " -	3488		.5	2.0312	1.015	29.18	28.7	26.0	
		- " -	3485		.62	- "	1.259	35.16	27.9	28.5	
		- " -	3468		.545	- "	1.107	30.1	27.2	26.5	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register,

Newcastle-on-Tyne