

TESTS OF BOILER STEEL.

Tests of 74 Steel plate manufactured by The Steel Co. of Scotland of Blochairn 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 3/10/87 last visit 14/10/87 No. of visits 4

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 14 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 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	Front Tube plate	E. 242		9414	.84	1.13	.949	25.8	27.1	29.5	Cross piece	
2				"	.835	1.26	1.052	29.3	27.8	29		
3	Shell Straps	J. 291		8652	.97	1.3	1.261	37.0	29.3	25		
4	Furnace Front	B. 270		8667	} Tested by Steel Co.							
5				"								
6	"	B. 270		8668	.76	1.11	.844	24.95	29.5	25.5	Cross piece	
7				"	.77	1.12	.862	24.95	28.9	30		
8	Front Tube plate	K. 318		8619	.84	1.11	.932	27.05	29.0	26		
9				"	.83	1.3	1.079	32.2	29.8	24	Cross piece	
10	"	"	K. 318	8620	"	"	"	31.45	29.1	25		
11				"	.82	1.31	1.074	30.1	28.0	20		
12	Girders Stays	Stock		8682	1.36	1.12	1.523	42.55	27.9	28	do	
13	Cm. Cr. Girders	H. 247		570	.815	1.28	1.043	29.1	27.9	24		
14	"	"	"	572	.83	"	1.062	28.75	27.0	24		
15	Manhole Rings	M. 291		8560	.9	1.13	1.017	29.2	28.7	27	Donkey Brs	
16	W. Washers	H. 250		8577	.77	1.11	.855	25.0	29.2	28		

D.P.  
18/10/87

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Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by