

No. 641.

## TESTS OF BOILER STEEL.

Tests of 86 Steel Plate manufactured by Steel Co of Scotland at Kilmahair  
for Boiler No. 1911 to be constructed by R. W. Hawthorn of Newcastle  
for

Date first visit 14/11/82 last visit 4/12/82 No. of Visits 9

The Plates specified in the accompanying copy of Advice Notes were rolled from  
53 charges. The tensile test has been applied to 9 samples as set forth below,  
and the temper and bending tests to samples representative of every  
plate advised all of which proved 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.	%	
1	4' 2 1/2" dia x 9/16"	H. 81	1	8583	.595	1.3	.773	21.15	27.4	30	
2	5' 10" x 4' 0" x 11/16"	K. 89	1	2321	.695	1.3	.903	24.85	27.5	27	
3	11' 2" x 4' 3" x 1/2"	L. 80	2	2379	.485	1.3	.63	18.2	28.8	22	
4	9' 1" x 2' 3" x 15/32"	M. 48	1	2604	.47	1.3	.611	17.2	28.1	27.5	
5	8' 1 1/2" x 5' 8 1/4" x 13/16"	L. 113	3	2657	.84	1.3	1.092	31.4	28.7	24.5	
6	16' 10" x 5' 4 1/8" x 29/32"	M. 104	1	3453	.92	1.28	1.177	34.25	29	28	
7	11' 9 1/4" x 5' 6" x 1/2" x 1/4"	S. 129	1	3065	.55	1.17	.643	17.74	27.5	27	
8	11' 9 1/4" x 5' 0" x 1/2" x 1/4"	S. 126	3	3770	.64	1.18	.755	21.45	28.4	25	
9	9' 4" x 5' 2" x 1/2"	J. 124	2	2858	.53	1.18	.625	18.2	29.1	25	

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by Steel Co of Scotland Glasgow



Sutton & Hunter V

S.S. "bardigano hire"

Nwc. Report No. 16936



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