

TESTS OF BOILER STEEL.

Tests of 136 Steel bars manufactured by Messrs Wm. Beardmore & Co. of Parkhead for Boiler No. 331 to be constructed by The Fairfield & S. & Ld of Glasgow for

Date first visit Sept. 13<sup>th</sup> last visit Do No. of visits One

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to eight samples as set forth below, and the temper and bending tests to a sample from each bar rolled.

The 136 bars were cut from 71 bars rolled.

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.	%	
	2 3/8 dia	M 158		56	Dia	1.01	.801	23.8	29.7	29	
	" "	"		60	"	"	"	22.45	28.	29	
	" "	"		72	"	"	"	23.	28.7	31	
	" "	D 158		80	"	"	"	22.85	28.5	30	
	1/2 "	"		64	"	"	"	23.2	28.9	28	
	1 7/8 "	"		40	"	"	"	22.6	28.2	31	
	" "	"		48	"	.99	.769	21.6	28.	32	
	2 "	D 119		30	"	1.01	.801	22.76	28.4	29	

Ref 17987

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.

Fee ..... £ : :  
Expenses £ : :  
£ : :

To be paid by

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Walter E. Robson  
Surveyor, Lloyd's Register  
Glasgow  
15/9/87