

No. 4862

(Received in London Office, 13 MAY. 87.)

TESTS OF BOILER STEEL.

Tests of 88 Steel bars manufactured by Messrs Beardmore & Co of Parkhead for Boiler No. 283 to be constructed by Messrs Gourlay Bros of Dundee for Waverley

Date first visit May 6<sup>th</sup> last visit do No. of visits One

The specimens specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 5 samples as set forth below, and the temper and bending tests to a sample from each bar rolled.

The 88 bars were cut from 44



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.		
	1/8 inch	K28	44	Dia	1.12	.985	27.77	28.1	33		
	"	"	8	"	"	"	28.05	28.4	36		
	"	"	20	"	1.11	.967	28.35	29.2	32		
	"	"	32	"	1.1	.95	27.9	29.3	35		
	"	"	44	"	1.12	.985	27.6	28.	34		

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

*Walter R. Robson*

Surveyor, Lloyd's Register,

*W. Langman*  
12/5/87

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*W.R.*  
14/5/87