



**TESTS OF BOILER STEEL.**

Tests of 546 Steel Bars manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 331 to be constructed by Messrs The Fairfield Ship & Chm Co Glasgow for their S.S. No 331 Rivets to be made by Messrs Jas Miller & Co Glasgow

Date first visit Sept-30<sup>th</sup> 1887 last visit Oct-3<sup>rd</sup> 1887 No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to samples as set forth below, and the temper and bending tests to a piece from each bar 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	Brlth.	Area.	Total	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.		
1	Rivet Bars 27/32 Dia C3			25	.84	Dia .534	16.07	29.0	26.5		
2	" " 31/32 "			33	"	"	14.60	26.3	28.5		
3	" " 31/32 " G358			5	.97	" .739	20.70	28.0	32.0		
4	" " " "			15	"	"	21.48	29.0	29.0		
5	" " " "			24	"	"	20.60	27.8	33.0		
6	" " 1 1/16 " P195			40	1.05	Dia .866	24.30	25.0	31.0		
7	" " " "			50	"	"	23.15	26.8	33.0		
8	" " " "			60	"	"	26.0	30.0	30.5		
9	" " " "			68	"	"	23.85	27.5	32.0		
10	" " " "			73	"	"	23.10	26.6	32.0		

6.10.87

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

To be paid by

H. M. Dove  
 Surveyor, Lloyd's Register  
 Glasgow  
 4.10.87