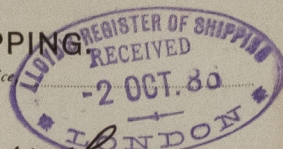


No. 3909

(Received in London Office)



## TESTS OF BOILER STEEL.

Tests of 156 Steel Bars manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 9404C186 to be constructed by Messrs Blair & Co of Stockton on Tees for the S.S. "Vina" & Messrs W. & Co S.S. No. 142

Date first visit Sept. 29<sup>th</sup> 1886 last visit No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 8 samples as set forth below, and the temper and bending tests to a piece from each bar.

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	Rivet-Bars 7/8" Dia H/138			10	.87	Dia	.594	16.60	27.9	27.0	Rolled in double length
2	" " " " "			11	"	"	"	16.35	27.5	30.0	
3	" " " " "			12	"	"	"	16.72	28.1	26.5	
4	" " " " "			13	"	"	"	17.10	28.7	25.0	
5	" " " " "			14	"	"	"	16.50	27.7	28.5	
6	" " " " "			15	"	"	"	16.70	28.1	31.0	
7	" " " " "			16	"	"	"	16.47	27.7	29.5	
8	" " " " "			17	"	"	"	16.45	27.6	28.5	

D.P. 4/10/86

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by



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H. M. Dove  
Surveyor, Lloyd's Register,  
Glasgow  
30.9.86  
Foundation