



No. 3909

TESTS OF BOILER STEEL.

Tests of 156 Steel Bars manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 9407C186 to be constructed by Messrs Blair & Co of Stockton on Tees for the S.S. "Vina" & Messrs Withy & Co S.S. No. 142

Date first visit Sept. 29th 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.
					Thiickn.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	Rivet-Bars 7/8" Dia	A138		10	.87	Dia .594	16.60	27.9	27.0	Rolled in double lengths	
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. D. Dove
 Surveyor, Lloyd's Register,
 Glasgow
 30.9.86
 Foundation