



No. 4344

## TESTS OF BOILER STEEL.

Tests of 280 Steel Bars manufactured by Messrs D. Colville & Sons of Motherwell  
for Boiler No. to be constructed by Messrs The Central Marine Eng Co of Hartlepool  
for Messrs W. Gray & Co's S.S. No. 322. Rivets to be made by Arthur Gladstone Eng. Stockton.  
Date first visit Dec 31st 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 5 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.		Extens. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	Rivet Bar 1" dia	D627		1	1.0	Dia	.785	22.5	28.6	29.5	
2	" " " "	"		3	"	"	"	22.1	28.1	31.5	
3	" " " "	"		9	"	"	"	22.9	29.1	26.0	
4	" " $\frac{29}{32}$ "	C733		27	.90	Dia	.636	16.92	26.6	30.0	
5	" " $\frac{21}{32}$ "	2389		30	.65	"	.331	9.7	29.3	27.0	
No 17.2.87											

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by



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H. N. Dove  
Surveyor, Lloyd's Register,  
10.2.87