



No. 4239

TESTS OF BOILER STEEL.

Tests of 166 Steel ~~bars~~ manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 941 to be constructed by Messrs Blair & Co of Stockton-on-Tees for Messrs Turnbull & Sons S.S. No 100

Date first visit Dec 17th 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 9 samples as set forth below, and the temper and bending tests 5 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 1 1/2 dia	M988		63	1.51	Dia	1.791	52.5	29.3	26.5	
2	"	"		89	"	"	"	52.4	29.2	26.0	
3	"	"		100	"	"	"	53.4	29.8	24.0	
4	"	"		114	"	"	"	50.94	28.6	28.0	
5	"	"		136	"	"	"	49.42	27.5	29.0	
6	Stay Bars 2 3/8 dia	A92		26	78	2.17	1.692	48.4	29.7	25.5	
7	"	"		27	75	2.17	1.627	46.5	28.5	26.0	
8	"	"		28	76	2.17	1.649	48.1	29.1	28.0	
9	"	2 3/8		45	75	2.17	1.627	44.9	27.5	30.0	

D.S.
17/1/87

Fee £ : :

Expenses £ : :

£ : :

To be paid by



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H. M. Duncanson

Surveyor, Lloyd's Register,

12-1-87