

No. 3451

(Received in London Office,



TESTS OF BOILER STEEL.

Tests of 50 Steel Bars manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 346.D to be constructed by The North Eastern Railway Co. of Sunderland for

Date first visit July 16th 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 6 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	Round Bar 1 1/2" Dia	N812		22	1.51	1.79	1.79	50.12	27.9	32.0	
2	" " " "	N816		9	"	"	"	51.60	28.8	34.0	
3	" " " "	"		11	"	"	"	51.62	28.8	31.0	
4	" " " "	"		14	"	"	"	51.60	28.8	32.0	
5	" " " "	"		17	"	"	"	51.78	28.9	33.0	
6	" " " "	"		20	"	"	"	49.2	27.4	31.0	

pm 5/8/86

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by



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 H.M. Dove
 Surveyor, Lloyd's Register,
 Glasgow
 30.7.86

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