

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.

SLD953-0064

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 1/2" Dia	N812		22	1.51	1.791	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	" " " "	"		26	"	"	49.2	27.4	31.0	m 5/8/86	

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by



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