

No. 6848

TESTS OF BOILER STEEL.

Tests of ³⁵⁷76 Steel ^{4 Bars} Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 567 to be constructed by Messrs The North Eastern M.E. Co. of Sunderland for Messrs J. Blumer & Co. S.S. No.

Date first visit March 3rd 1888 last visit March 12th 1888. No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to samples as set forth below, and the temper and bending tests to a shearing from each plate & 5 pieces from three of the bars with satisfactory results.

The number of plates or bars included in a rejection must be clearly stated.

When a second test is applied, the result should be recorded immediately below the record of the original test.

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	Stay Bar 1 1/2 Dia	H586		333	1.51	Dia	1.791	49.50	27.5	32.5	
2	" " " "	H586		336	1.51	"	1.791	50.22	28.0	30.0	
3	" " 1 3/4 "	N282		917	1.37	"	1.474	39.30	26.6	25.5	
4	8.0 x 20, 5.6 x 20 x 7/16	L379		457	.57	1.11	.632	17.68	27.9	24.0	
5	8.6 x 20 x 23/32	8767		1396	.72	1.35	.972	26.50	27.2	24.5	
6	9 1/2 x 9 1/2 x 1/2	A490		641	.50	1.82	.910	26.62	29.2	24.5	
7	15.0 1/2 x 5 9/2 x 3/4	H335		679	.77	1.36	1.047	30.42	29.0	17.5	
					.77	1.24	.954	27.32	28.6	15.0	Rejected 1 plate
8	7.6 1/4 Rad 6 9/16, 2.9 x 11 3/4	H335		677	.74	1.36	1.006	28.98	28.8	19.5	
					.73	1.74	1.270	37.88	29.7	20.5	
9	6.7 1/2 x 5 9/2 x 3/4	9579		1593	.75	1.10	.803	23.00	28.7	22.5	
10	5.5 3/4 x 14, 4 1/2 x 14, 4 1/2 x 14, 4 1/2 x 14	9520		1862	1.00	1.50	1.500	44.61	29.7	20.5	

DP 14/3/88

Fee £ : :

Expenses £ : :

£ : :

To be paid by

A. M. Dove.
Surveyor, Lloyd's Register,
Glasgow.
12.3.88