

## TESTS OF BOILER STEEL.

Tests of 49 Steel Bars manufactured by Messrs D Colville & Sons of Motherwell  
for Boiler No. 87 to be constructed by Messrs Dumin & Jackson of Glasgow  
for Messrs Workman Clark & Co. S.S. No. 60

Date first visit May 18<sup>th</sup> 1888 last visit May 31<sup>st</sup> 1888 No. of visits

The specified in the accompanying copy of Advice Notes were rolled from  
charges. The tensile test has been applied to 4 samples as set forth below,  
and the temper and bending tests to pieces of four of the bars with  
satisfactory results

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 2 3/4 Dia	7874		68	1.37	Dia	1.474	44.55	30.2	26.0	
2	" - 2 1/4 -	N 352		101	1.39	"	1.517	42.30	27.8	24.5	
3	" - 2 1/8 "	"		145	1.36	"	1.453	38.04	26.1	30.5	
4	" - 1 3/8 "	J 335		25	1.37	"	1.474	38.80	26.3	35.0	

29  
12/6/88

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register

56.88