

## TESTS OF BOILER STEEL.

Tests of 8 1/2 Steel Plate manufactured by Messrs D. Colville & Sons of Motherwell  
for Boiler No. 198/9 to be constructed by Messrs Hutson & Corbett of Glasgow  
for Messrs A. McMillan & Co. S.S. No. 271/3. 240 & 2

Date first visit Feb. 1<sup>st</sup> 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 to a shearing from each plate.

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	Shell plate	1593		3712	1.14	1.34	1.527	45.72	29.9	24.0	
2	Firebox sides & top	1269		3620	.52	1.67	.869	24.49	28.1	27.5	
3	bottom	11737		3692	.72	1.46	1.057	31.46	29.9	24.0	
4	Top end plate	9825		3704	.87	1.46	1.270	37.25	29.3	20.0	
5	Butt straps	6839		22	.83	1.61	1.336	37.43	28.0	32.0	
6	Shell plate	1593		52	1.12	1.35	1.572	41.80	27.6	28.0	
7	Front. tube plate	2110		476	.90	1.35	1.215	35.14	28.9	23.0	
8	Back " "	1232		544	.85	1.58	1.343	37.04	27.5	21.0	
9	Furnace front	1261		454	.76	1.01	.767	21.20	27.6	21.5	

Fee ..... £ : :  
Expenses £ : :  
£ : :

To be paid by