

No. 4256

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 12 Steel Plates manufactured by Messrs D. Colville & Son of Motherwell for Boiler No. 280 to be constructed by Messrs Gourlay Bros of Dundee for

Date first visit 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 samples as set forth below, and the temper and bending tests

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	To Tracing	1/16 M994		4736	.55	2.00	1.10	29.97	27.2	27.0	Tests applied
2	.	1/4 H193		4790	.76	2.00	1.52	43.05	28.3	27.5	to Duplicate
3	.	1/8 A86		4792	.77	2.00	1.54	45.77	29.7	24.0	samples retained
4	.	1/16 K945		4786	.58	2.00	1.16	34.00	29.3	27.0	at Steel Works
5	.	1/4 C724		4808	.77	2.00	1.54	46.00	29.8	27.0	
6	.	1/8 A86		4810	.77	2.18	1.678	49.37	29.4	24.0	
7	.	1/16 C752		4884	.58	1.16	.672	19.73	29.3	23.0	
8	.	1/8 2386		4862	.57	2.00	1.140	30.3	26.5	29.0	
<div>mm 24.1.57</div>											
1		M994		No other test from this charge							
2		H193		4732	.85	1.95	1.667	44.80	27.0	28.0	Tests applied
3		A86		4754	.76	1.89	1.426	43.10	30.0	24.5	to other plates
4		K945		4938	1.17	1.34	1.567	45.60	29.1	23.0	rolled from
5		C724		1817	1.29	1.30	1.677	49.20	29.3	27.0	the same Charge
6		C752		5012	1.50	1.38	.690	20.70	30.0	20.0	
7		2386		4662	.51	1.08	.550	14.82	26.9	25.0	
<div>mm 24.1.57</div>											

Fee £ : :

Expenses £ : :

£ : :

To be paid by

H. M. Dove

Surveyor, Lloyd's Register.

21.1.87

Glasgow