

No. 4065

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received at London Office)

TESTS OF BOILER STEEL.

Tests of 26 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 538 to be constructed by Messrs John Fernihough & Sons of Stalybridge for the S.S. "Pioneer"

Date first visit March 12th 1888 last visit March 28th 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 with satisfactory results.

No.	Purpose.	Charge Mark.	No. of plates or bars in same charge	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Extens. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	Bottom of Furnace	H595		2464	45	1.98	891	24.80	27.8	28.0	
2	Shell Plate	P325		2538	43	1.82	782	22.95	29.3	21.0	
3	End Plate + Dome End Stock			1625	56	1.93	1080	33.75	31.2	21.5	Repeated 2 plates " 1 " " 4 "
4	End Plate	"		1689	60	2.04	1224	37.70	30.8	22.0	
5	Man Hole + Hand Hole	"		1715	55	2.11	1160	35.36	30.4	27.0	
6	Dome end	"		1735	58	1.89	1096	30.65	27.9	27.0	
7	Comb. Cham. Side	B309		2984	52	2.15	1118	31.85	28.4	25.5	
8	End Plate + Dome End	H605		4072	56	1.27	711	20.42	28.7	23.0	
9	End Plate, Doubt Plate M.H.	D987		6138	59	1.88	1109	31.20	28.1	29.0	

MA 6.4.98

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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.

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register,

30.3.88