

(Received at London Office)
LLOYD'S REGISTER OF SHIPPING
RECEIVED
21 JUN 88
LONDON

TESTS OF BOILER STEEL.

Tests of 43 Steel Plates manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 87 to be constructed by Messrs Dunsinville & Jackson of Glasgow for Messrs Workman Clark & Co. S.S. No. 60.

Date first visit June 12th 1888 last visit June 18th 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

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.	Brlth.	Area.	Total	Sq. Inch		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
1	6.0 x 34 x $\frac{9}{16}$	N373		2459	.54	1.29	.696	19.60	28.1	22.0	
2	4.2 x 17 $\frac{1}{2}$ x 37 $\frac{1}{8}$ x 16.3 $\frac{1}{8}$ x 17 $\frac{1}{8}$ x 18	S827		2555	.91	1.28	1.164	31.22	26.8	22.0	
3	5.8 $\frac{1}{2}$ Rad x 4 $\frac{1}{2}$ x $\frac{21}{32}$	S871		2721	.69	1.31	.903	25.70	28.4	17.0	Rejected 1 plate
4	6.7 $\frac{1}{4}$ R x 6.9 x $\frac{1}{4}$	"		2729	.74	.97	.717	21.07	29.3	16.0	" 1 "
5	" x " x "	"		2733	.74	1.34	.991	28.88	29.1	21.0	
6	5.8 $\frac{1}{2}$ R x 4 $\frac{1}{2}$ x $\frac{23}{32}$	"		2723	.70	1.64	1.148	32.62	28.5	21.0	
7	Under Stays	D80		2600	1.14	1.31	1.493	45.41	30.4	17.5	Rejected 20 pieces
8	Back Tube Plate	N374		2819	.94	1.37	1.287	37.70	29.2	17.0	" 2 "
9	End " "	D63		2987	.80	1.35	1.080	32.92	30.4	20.0	" 2 "
10	Top of Firebox	A373		3041	.58	1.61	.933	27.91	29.9	25.0	
11	Top End plate	N374		2807	.81	1.58	1.279	37.50	29.3	21.0	

Fee £ : :
Expenses £ : :
£ : :

To be paid by



H. M. Dove.
Surveyor, Lloyd's Register.
Glasgow
19.6.88
Foundation