

with letter of 7 Sept. 82

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office,

No.

TESTS OF BOILER STEEL.

Tests of 138 Steel plates manufactured by John Brown & Co. of Sheffield for Boiler No. to be constructed by Earle Shipbuilders Hull

for 257, 260, 261 & 262

Date first visit last visit 31st Aug 82 No. of Visits one

The plates specified in the accompanying copy of Advice Notes were rolled from 18 charges. The tensile test has been applied to 23 samples as set forth below, and the temper and bending tests to every 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	Main Work of boilers	300	3	3587	.74	1.25	.92	26.5	28.6	28	13.7 1/4 x 4.4 x 3/4
2		240	11	3589	.74	1.25	.92	26.5	28.6	23	4.2 x 8 1/4 x 3/4
3		295	3	3597	.72	1.26	.91	27	26.6	25	3.11 x 9 3/4 x 3/4
4		223	4	3629	.72	1.26	.91	26	28.5	21	13.7 1/4 x 4.4 x 3/4
5		223	4	3582	.74	1.25	.92	27.5	29.9	23	13.6 x 4.4 x 3/4
6		295	3	3602	.73	1.25	.91	26	28.5	29	" " "
7		301	2	3645	.75	1.22	.92	27	29.5	25	13.6 x 4.4 x 3/4
8		295	1	3648	.74	1.22	.90	26	28.8	25	" " "
9		279	6	3594	.63	1.51	.95	27.5	28.9	23	3.10 x 8 1/4 x 5/8
10		283	8	3618	.61	1.51	.92	27	29.3	26	3.11 x 9 1/4 x 5/8
11		296	12	3654	.63	1.51	.95	27.5	28.9	27	2.10 x 10 x 5/8
12		273	5	3600	.6	1.51	.91	26	28.5	25	5.2 x 3/8
13		240	11	3609	.6	1.5	.9	25.5	28.3	25	6.10 x 4.6 x 19/32
14		229	15	3670	.55	1.65	.91	25.5	28.1	29	16.9 x 4.6 x 19/32
15		296	12	3651	.56	1.65	.924	26	28.1	29	4.4 x 9 3/4 x 9/16
16		273	5	3661	.54	1.63	.88	24	27.3	29	4.4 x 9 3/4 x 9/16
17		265	15	3623	.49	1.9	.93	25.5	27.4	28	5.3 x 3.6 x 1/2
18		283	12	3589	Main Work of boilers, plate rejected						6.6 x 5.2 x 1/2
19	D. Work 257	165	12	3642	.49	1.88	.921	26	28.2	27	4.6 x 2.0 x 1/2
20		296	12	3579	.48	1.9	.912	26	28.5	25	4.11 x 2.1 x 1/2
21		228	1	3596	.37	2.05	.758	21.5	27	22	5.6 x 5 1/2 x 1/2
22		228	1	3580	.44	2.3	1.01	27	26.6	31	13.6 x 4.3 1/2 x 3/8
23		177	1	3576	.47	2.3	1.08	30	27.7	25	5.1 x 4.9 x 7/16

Fee £ 1 : 1 : 0

Expenses £ 2 : 8 : 10

£ 3 : 9 : 10 To be paid by