

No. 1137

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office)

TESTS OF BOILER STEEL.

Tests of 91 Steel Plate manufactured by Messrs. J. & W. Beardmore of Parkhead, Glasgow for Boiler No. 163 to be constructed by Messrs. Wigham Richardson & Co. of Tyne Dock for Messrs. J. & W. Smiths P.S. No. 88

Date first visit 2/7/83 last visit 10/8/83 No. of Visits 5

The Plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 12 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.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.		
1	Flame box, back	K207	2	1322	.5	1.44	.72	20.41	28.3	25	
2	Top of back	K209	1	1356	.75	1.2	.9	25.2	28.	23	
3	Butt straps	A186	8	2344	.39	1.48	.577	16.3	28.2	28	
4	Shell plate	K178	1	1434	.73	1.09	.795	21.84	27.4	32	
5	Back tube plate	F36	2	1396	.61	1.25	.762	20.9	27.4	30	
6	Bottom of back	B25	1	1438	.65	1.29	.838	25.61	30.5	25	
					.65	1.28	.832	22.43	26.9	28	
7	Furnace top	F18	1	1427	.54	1.5	.81	27.48	33.9	26	Duplicate
8	--	B22	1	1384	.51	1.48	.754	21.	27.8	32	Rejected 1 plate
9	--	A178	2	1380	.51	1.4	.714	20.88	29.2	26	
10	Flame box, side	F321	2	1447	.49	1.37	.671	19.49	29.	25	
11	Wings of back	B188	1	1255	.63	1.21	.762	21.98	28.8	29	
12	Shell plate	D234	1	1040	.78	1.27	.99	28.34	28.6	25	

Fee £ : :
 Expenses £ : :
 £ : :

To be paid by Messrs. J. & W. Beardmore

Surveyor, Lloyd's Register,

Glasgow 25/8/83

L & W Smith & S
S.S. "Nonpareil"
NWC. Report No. 17586



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Foundation