

## LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office,

## TESTS OF BOILER STEEL.

of 44 Steel plates <sup>44 bars</sup> manufactured by Messrs. A. W. Beardmore of Parkhead  
Boiler No. 808 to be constructed by J. & T. Young of Ayr  
the S.S. 92 " " Murdoch & Murray, Port Glasgow

Date first visit May 18<sup>th</sup> last visit June 9<sup>th</sup> / 85 No. of visits 6

The plates & bars specified in the accompanying copy of Advice Notes were rolled from  
charges. The tensile test has been applied to 14 samples as set forth below,  
and the temper and bending tests all proved satisfactory

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 14" 4" x 4 3/4" x 5/8"	L51	483	.64	1.3	.832	24	28.8	33		
2 13" 10 3/8" x 4 3/4" x 1/2"	M36	463	.4	1.24	.889	23.05	25.9	30		
3 13" 11 1/2" x 4 3/4" x 1/2"	M44	408	.4	1.3	.91	24.4	26.8	28		
4 11" 8" x 3 1/4" x 1/2"	K125	418	.51	1.51	.44	20.45	26.9	29		
5 4" 1 1/4" R x 58 x 3/4"	L54	442	.44	1.14	.843	24.5	29	24		
6 1" 2" x 4 3/4" x 1/2"	L39	840	.56	1.12	.624	16.89	26.9	29		
7 4" 1 1/4" R x 49 x 5/8"	D330	964	.64	1.28	.819	23.04	28.1	28		
8 6" 8 3/4" x 5 3/4" x 3/8"	F230	966	.4	1.3	.52	14.88	28.6	31		
9 4" 9" x 28 1/2" x 3/8"	D44	842	.35	1.46	.511	14.22	24.8	29		
10 14" 4" x 61 x 5/8"	K244	861	.65	1.1	.415	19.8	24.6	25		
11 5 7/8" dia x 7/16"	A82	610	.44	1.46	.642	18.19	28.3	29		
12 39" x 5/8"	K110	326	.64	1.34	.857	24.52	28.6	21		
13 7" 1 1/4" R x 61 1/4" x 5/8"	D41	494	.63	1.05	.661	14.42	26.8	24		
14 9" 0 1/2" x 48 x 1/2"	F91	482	.52	1.03	.535	15.33	28.6	20		
1 1 5/8" dia	F30	8	.99	dia	.469	21.36	24.4	30		
2 1 3/8" "	"	4	.99	"	.469	22.15	28.8	28		
3 1 1/8" "	"	6	1.	"	.485	21.92	24.9	30		
4 1 1/4" "	"	3	.99	"	.469	21.54	28	25		

Fee ..... £ : :

Expenses £ : :

£ : :

To be paid by Messrs. A. W. Beardmore Glasgow

G. L. Hindmarsh  
Surveyor, Lloyd's Register

11/6/85

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