

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

Office. **TESTS OF BOILER STEEL.**

Steel plates manufactured by *Messrs J. W. Beardsmore & Co. of Glasgow*
Boiler No. 808 to be constructed by *J. & J. Young* of *Glasgow*

Keelson & Maxwell
Date first visit *May 18th* last visit *June 1st / 85* No. of visits *16*

The plates bars specified in the accompanying copy of Advice Notes were rolled from
the Bessemer test has been applied to *16* plates below,

Manufacturers of Steel Plates & Bars, *Siemens Process* & *Iron Plates & Bars for*
Ships, Boilers, &c. & Marine Engine Forgings of all descriptions.

Iron & Steel Plates flanged for Boiler Fronts &c.

Purpose.	Mark.	Size of hole in plate.	Material of plate.	Thickness.	Bulb.	Area.	Total.	Sq. Inch.	Stress.	%
				Ins.	Ins.	Ins.	Tons.	Tons.		
Spk Seal Bars 1 1/16 dia x 10 6				16						
4 1/2 x 4 3/4 x 5/8 L 5 1/16				483	.64	61.40	832	21.3	28.8	33
4 1/2 x 4 2 1/2 x 5/8 M 36				463	.4	81.24	889	23.05	25.9	30
4 1/2 x 4 2 1/2 x 5/8 M 44				408	.4	16.3	91	24.4	26.8	28
8 1/2 x 3 1/2 x 3/4 K 125				418	.51	1.51	.44	20.45	26.9	29
4 1/2 x 5 8 x 3/4 L 5 1/16				442	.44	1.14	.843	24.5	29	24
4 1/2 x 5 8 x 3/4 L 39 1/2				840	.56	1.12	.64	24.9	26.9	29
4 1/2 x 5 8 x 3/4 D 330 for 5 1/2 x 10 6				830	.4	1.3	.52	23.04	28.1	28
4 1/2 x 5 8 x 3/4 F 230				966	.4	1.3	.52	14.88	28.6	31
4 1/2 x 5 8 x 3/4 D 44				842	.35	1.46	.511	14.22	24.8	29
4 1/2 x 6 1 x 5/8 K 2 1/4				861	.65	1.1	.415	19.8	24.6	25
5 7/8 dia x 4 1/6 A 52				610	.44	1.46	.642	18.19	28.3	29
3 3/4 x 5 8 K 110				326	.64	1.34	.854	24.52	28.6	21
1 1/2 x 6 1 1/4 x 5/8 D 41				494	.63	1.05	.661	14.42	26.8	24
0 2 x 4 8 x 3/2 F 91				482	.52	1.03	.535	15.33	28.6	20