

# STEEL BOILERS

All plates, rivets, stays & girders of steel.

## Tubes of Wrought Iron

SCALE - ONE INCH = ONE FOOT

R.W.P.

ENG

## DATE FURNACES

7653 OFF

766 3 OFF

Intended for Messrs Bartram & Sons Ltd. 5/229

768 30TH

### Heating Surface in 3

Boilers = 64834

STAYS

Diam	Inches Per Inch	Eff Dia	Eff Area	TELETYPE SIZE INCHES PER INCH	SIZE PER INCH
1 1/2	a	1.357	1.45	26	40-8
1 3/4	a	1.6078	2.031	20	40-8
2	a	1.8577	2.69	30	47-2
2 1/4	b	2.036	3.25	27	42-5
3 3/8	b	3.1616	7.85	30	47-2

Stay Tubes  $\frac{5}{16}$ -7.94" thick. Screwed 10 threads per inch. Eff. area 2.2433"

$3\frac{5}{8}$   $3\frac{5}{8}$   $207\frac{1}{2}$   $207\frac{1}{2}$   $\frac{\text{Circumferential Seams}}{16}$   $5' - 33\frac{3}{4}''$  Rivet Holes.

Straps  $1\frac{1}{8}$ " - 28 b<sup>m</sup> thick      Rivet Holes  $1\frac{5}{16}$ " - 33.34<sup>m</sup> diam      Scale  $1\frac{1}{2}$ " = 1 foot

Tensile strength of shell plates, butt straps and manhole stiffening rings 28.5

to 32 tons per square inch - 44.0 to 50.4 kilops per square millimetre

**RIVETING** Tensile strength of rivets 26 to 30 tons per square inch—40.8 to 47.2 Kilos per sq.

Front & back seams double riveted. 118.50 cm rivet holes. 52.88 cm plch. 53.50 cm  
Arm Cham. batt. longitudinal seams double riveted. 15.23.82 " " 32.50 cm plch. 4.10.67 cm

3m Chambers furnace, seams single riveted  $\frac{15}{16}$  - 23.8 mm " : 2 $\frac{1}{2}$  - 63.5 mm 2 $\frac{1}{2}$  - 63.5

Com Number	Turntable Seams Single Raveled	18 258 m	22 255 m	22 255
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MANHOLE 16" x 12" - 4064' x 304.8'

Stiffening Ring  $8\frac{5}{8} \times 1\frac{3}{16}$  32 - 213  $\times$  30.95

Rivet Holes /  $\frac{5}{16}$  - 33.34 %



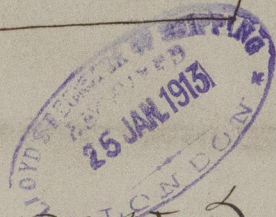
J. DICKINSON & S. L<sup>D</sup>

C. N<sup>o</sup> 766.

MAIN BOILERS.

3. OFF.

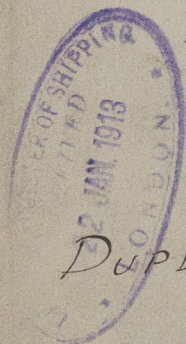
No  
LLOYD'S TEST.  
360 LBS.



BARTRAM & SONS L<sup>D</sup>

N<sup>o</sup> 229  $\frac{5}{8}$ .

S.S. "Merionethshire"



Sld Rpt No 25876

DUPLICATE OF 765  $\frac{9}{16}$ .

RETAIN



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Lloyd's Register  
Foundation

W853-0168