

T. H.

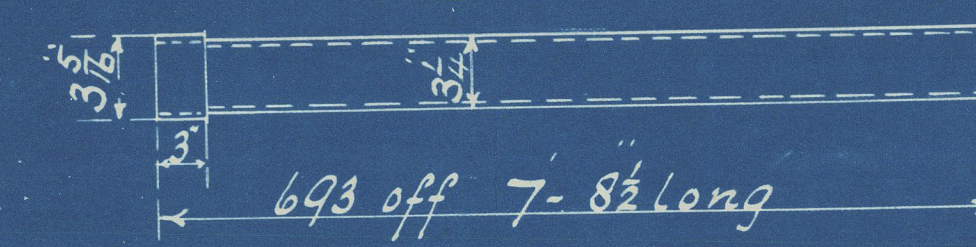


### Heating Surface in 3

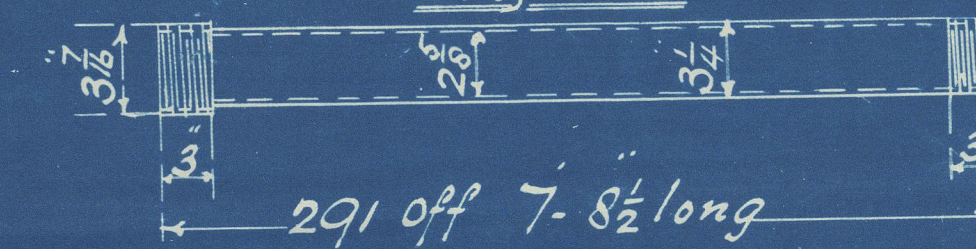
Boilers = 7575 #

| Stays            |                     |            |             |
|------------------|---------------------|------------|-------------|
| Dia              | Threads<br>per inch | Eff<br>Dia | Eff<br>Area |
| $\frac{3}{16}$ " | 9                   | 1.607      | 2.03        |
| $\frac{7}{16}$ " | 9                   | 1.73       | 2.33        |
| 2"               | 9                   | 1.957      | 2.6         |
| $2\frac{1}{2}$ " | 6                   | 2.286      | 4.13        |
| $3\frac{1}{8}$ " | 6                   | 2.92       | 6.7         |

Plain Tubes No 8 WG



## Stay Tubes



Stay Tubes  $\frac{5}{16}$ " Thick Screwed 10 Threads per inch Eff area 2.255  $\square$

## ENGINE

DATE Furnaces.

7153ae

Intended for Mess<sup>rs</sup>. J. Thompson & Sons SSN<sup>o</sup> 486

6 JUNE 2-11 <sup>nd</sup>

Brighton's

775

1. 4. 1 day <sup>rs</sup> 11 Thompson & Sons SS N° 187

7 JUNE 2-11

heights

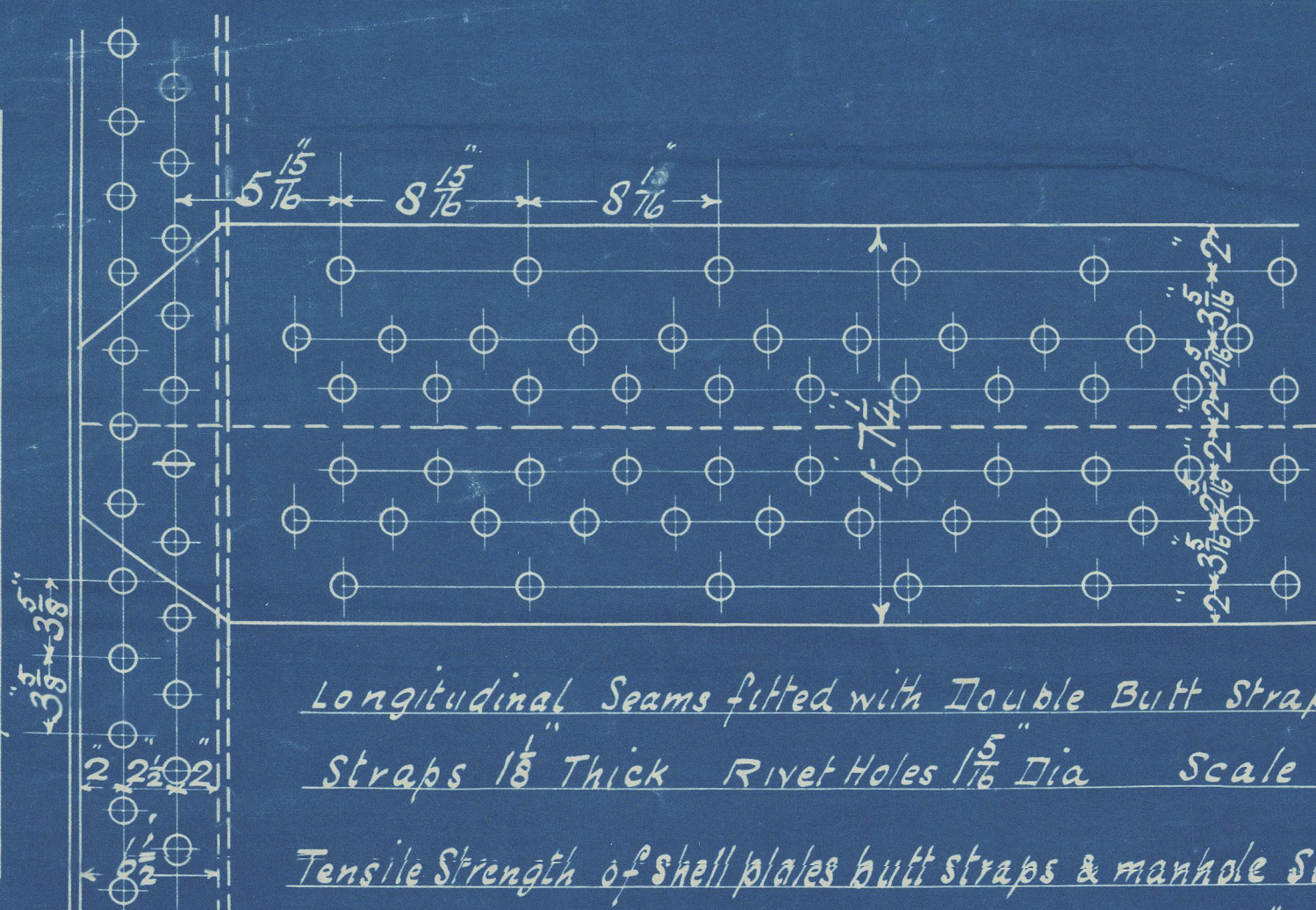
763 30-

Intended for less J.L. Thompson & Sons 3374-78

6 330810

[illegible]

Circumferential Seams 176 Rivet Holes



### Longitudinal Seams fitted with Double Butt Straps

Straps  $1\frac{1}{8}$ " Thick Rivet Holes  $1\frac{5}{16}$ " Dia Scale  $1\frac{1}{2}$ " = 1 foot

Tensile Strength of Shell plates butt straps & manhole stiffening Rings 284 to 32 Tons per sq"

Tensile Strength of girders 28 to 32 Tons per sq"

## Riveting

Front & Back Seams Double Riveted  $\frac{3}{16}$ " Rivet Holes  $3\frac{1}{2}$ " Pitch  $5\frac{3}{4}$ " Lap  
Comb Chr Long " " "  $\frac{15}{16}$ " " "  $2\frac{5}{8}$ " " 4"

|   |   |                   |   |                 |   |   |                |   |                  |
|---|---|-------------------|---|-----------------|---|---|----------------|---|------------------|
| " | " | & Furnaces Single | " | $\frac{15}{16}$ | " | " | $2\frac{1}{2}$ | " | $2\frac{1}{2}$ " |
|---|---|-------------------|---|-----------------|---|---|----------------|---|------------------|

MANHOLE 16x12

Stiffening Ring  $8\frac{5}{8}'' \times 1\frac{3}{16} \frac{3}{32}$

Rivet Holes  $1\frac{1}{2}$  dia

Riveted Washer 1-6 Dia  $\frac{7}{8}$  Thick  
1  $\frac{3}{16}$  Rivet Holes 1-2  $\frac{3}{8}$  Pitch Circle

### - Steel Screwed Stays (Nytted)

$1\frac{3}{4}$  Stays Marked Thus

— " — "

100



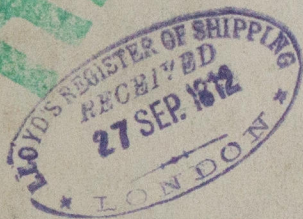
SUNDERLAND.

J. Dickinson Sons

3 Main Boilers ~~771~~ ~~763~~  
100lb.

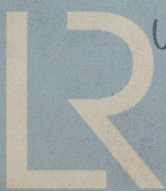
for  
J. L. Thompson & Sons  
of No. ~~498~~ 500

No. 3157  
Test 360lb  
15.10.13. J.T.F.



Gen of Enrie

Sld. Rpt. No. 25918



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Lloyd's Register  
Foundation