

SCALE: ONE INCH = ONE FOOT

a.s.

ENGINE			DATE	FURNACES	
S60	3	OFF	Intended for Messrs J L Thompson & Sons $\frac{5}{15}$ 547	Dec 9 th 1920	Neighbors Section
S61	3	OFF	Intended for Messrs J L Thompson & Sons $\frac{5}{15}$ 548	Dec 9 th 1920	Neighbors Section

Total Heating Surface in 3 Boilers = 8265 #

STAYS					
TENSILE STRENGTH Tons/Sq. In.	DIAM. INCH	INSTR. DIAM.	EFF. AREA	EFF. STRENGTH BOILER	
26	1 1/8"	9	14.828	1.73	128
To	3/16"	9	1.6078	2.31	76
30	1 3/8"	9	1.7327	2.355	136
	2"	9	1.8577	2.69	6
28	2 1/2"	6	2.0366	3.25	6
To	2 3/8"	6	2.66	5.57	3
32	3 1/8"	6	2.922	6.70	14

[illegible]

Hand-drawn diagram of a roof structure. The diagram shows a cross-section of a roof with a central section labeled "24' OFF. 8'-6\"

Longitudinal Seams fitted with double butt straps

Inside Strap $\frac{1}{2}$ " thick	Rivet Holes $\frac{1}{2}$ " diam
Outside $\cdot \frac{1}{8} \cdot$	

SCALE: $1\frac{1}{2}$ INCHES = ONE FOOT.

TENSILE STRENGTH:

Plate	Tons per Sq. Inch
Shell Plates & Butt Straps	28½ to 32½
Manhole Stiffening Rings	28½ to 32½
Combustion Chamber Girders	28 to 32
All other plates	26 to 30

RIVETTING

Position	Riveting	Rivet Holes	Pitch	Lap
Front & Back Seams	Double	$\frac{13}{16}$	$3\frac{1}{2}$	$5\frac{3}{8}$
Comb. Chamber Longitudinal Seams	Single	$\frac{13}{16}$	$2\frac{1}{2}$	$2\frac{1}{2}$
Comb. Chamber & Furnace Seams	Single	$\frac{13}{16}$	$2\frac{1}{2}$	$2\frac{1}{2}$

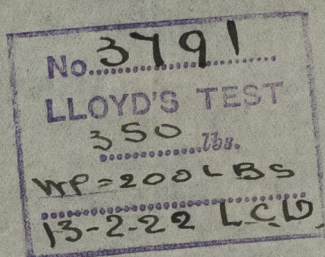
\$60 ~~\$61~~

SUNDERLAND

J. DICKINSON & SONS L^R
(3) BOILERS N^o 860

WP = 200 LBS

J. L. THOMPSON & SONS
S/S N^o 547



Back end bottom plate to be
increased to $\frac{29}{32}$ " inches
of fitting doubling plate

"British Lord" ★

SUNDERLAND. N^o 28450.

RETAIN



Lloyd's Register
Foundation

W1630-0063