

STEEL BOILER

Nº 5 2 6

Working Pressure 200 lbs (Lloyds)

Scale 1" = 1 Foot

DIMENSIONS

LENGTH OF FIRE BARS	5' 0"
AREA OF FIRE GRATE	44.37 sq
DIAM OF TUBES OUTSIDE	3 1/2"
LENGTH OF TUBES	6' 3 3/8"
Nº OF TUBES	180
AREA THROUGH TUBES	4.35 sq
SURFACE OF TUBES	941.25 sq
TOTAL HEATING SURFACE	1260 sq
WORKING PRESSURE	200 lbs.

Approved by Sam on 17.11.25
Lloyds 22.11.25 X-14.5.06

LLOYD'S REGISTER
OF SHIPPING
21 NOV 1925
HULL

Nº 5 2 6

W705 - 0014

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25.7.26.

Note. All plates, stays, and rivets to be of
Suenens Martin Steel. All rivet holes
throughout the boiler to be drilled in place
after the plates are bent. The screw stays are
1 1/8", 1 1/4", and 1 1/2" effective diam. screwed into
both plate and nutted at each end, screwed
10 threads per inch. The tubes are of iron, the
ordinary ones are 3 1/2" ext. dia. x N° 8 L.S. 3/16" thick, the stay
tubes are 3 1/2" int. dia. x 3/16" thick effect. Screwed at ends
to 3 1/2" and 3 1/4" diam. A manhole in shell 16" x 12" with
shots are longitudinally and a doubling plate
3 1/2 x 2 1/2 x 1 1/4" thick fitted round it.

Plan of Shell riveting
1 1/16" holes 7 1/16" pitch
Percentage of Plate = 84.55
Percentage of Rivets = 90.1

Doubling Plate
Round manhole
1 1/16" thick

All 1 1/16" rivet holes
inner row
countersunk and
flush riveted.

1 1/8" holes
3 1/2" pitch

Shell 1 1/4" thick
Outside Butt straps 1 1/2 x 3/16" thick
Inside " 1 1/2 x 1/16"
Tensile strength of shell plates and
butt straps not to be less
than 28 tons per sq. inch.

Washers
6" x 3/8"
(inside and outside)

1 1/4" Screw Stays
10 threads per inch

Steel stays 2 1/2" effective diam. 3" diam. on body
screwed at ends to 3 1/2" and 3" and capped
on at both ends 4 threads per inch
24-32 tons tensile

6" x 3/8" over tube plates
Ordinary Iron tubes 3 1/2" ext. dia. x N° 8 L.S. 3/16"
Supplied 1/6" at joint end
Iron stay tubes 3 1/2" ext. dia. x 3/16" apart 1/2" thick in body
screwed at ends to 3 1/2" and 3 1/4" diam 10 threads
per inch

1 1/2" Steel Screw
10 threads per inch

1 1/2" Steel Screw
10 threads per inch

1 1/2" Steel Screw
10 threads per inch

Furnaces
6 - 9 1/2"

Welded longitudinally
2 1/2" steel stays tapered into both ends

10' 6" Total length

28.11.26
24/7/26
24/7/26

6410.13
20.7.06
Lloyds

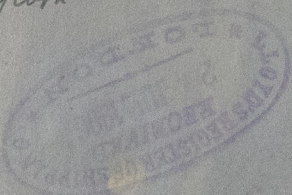
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Messrs
Earles S. B. 6⁰⁰.

N^o 526 Boilers
Sa. H. Venture

N^o 1530
Lloyds List
400 lbs
26. 11. 06
J.B.

Hull Report No. 18580



RETAIN

W705-0014



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Lloyd's Register
Foundation