

NOTE:

ALL PLATES & STAYS & RIVETS TO BE OF SIEMENS MARTIN STEEL.
ALL RIVET HOLES THROUGHOUT THE BOILER TO BE DRILLED IN PLACE AFTER THE PLATES ARE BENT. THE SCREW STAYS ARE $1\frac{3}{4}$ IN. EFFECTIVE DIAM. SCREWED INTO BOTH PLATES AND NOTED AT BOTH ENDS, ALL SCREWED 10 THREADS PER INCH. THE TUBES ARE OF IRON. THE ORDINARY TUBES ARE 3" EXT. DIAM. X NO. 8 L.S.G. THICK, THE STAY TUBES $2\frac{3}{8}$ INT. DIAM. X $\frac{1}{4}$ THICK EFFECTIVE SCREWED AT ENDS TO $3\frac{1}{4}$ IN. DIAM. 10 THREADS PER INCH. A MANHOLE IN SHELL WITH SHORTER AXIS LONGITUDINALLY AND A DOUBLING PLATE $2\frac{1}{2}$ IN. THICK

STEEL BOILERS NO. A 97

DIMENSIONS

LENGTH OF FIRE BARS	4-6
AREA OF FIRE GRATE	24.5
DIAM. OF TUBES OUTSIDE	3
LENGTH OF TUBES	6-6 $\frac{1}{2}$
NO. OF TUBES	142
AREA THROUGH TUBES	5.2
SURFACE OF TUBES	716
TOTAL HEATING SURFACE	900
WORKING PRESSURE	160 LBS

WORKING PRESSURE = 160 LBS. PER SQ. IN.

SCALE = 1" = 1 FOOT

PLAN OF SHELL RIVETING

$1\frac{1}{16}$ HOLES, $5\frac{3}{8}$ PITCH.

PERCENTAGE OF PLATE = 80.2%

RIVETS = 86.7% LLOYDS

$1\frac{1}{16}$ HOLES
 $3\frac{1}{4}$ PITCH
ON LAP

$1\frac{1}{16}$ HOLES
 $3\frac{1}{4}$ PITCH
ON LAP

DETAIL OF RIVETING
ON DRUM

1 HOLES
2 PITCH
1 HOLES
3 PITCH

OUTSIDE WASHERS
6" X $\frac{1}{2}$ "

DOUBLE STEEL BARS
 $7\frac{1}{2}$ X $\frac{3}{4}$ "
RIVETED TOGETHER

$1\frac{1}{2}$ STAYS SHOWN
THUS

$1\frac{1}{2}$ STEEL SCREW
STAYS SHOWN
THUS

ALL SCREWED
10 THREADS PER
INCH

INSIDE DOUBLING
PLATE $\frac{3}{4}$ THICK
RIVETED ON WITH
 $1\frac{1}{16}$ RIVET HOLES

LLOYD'S REGISTER
OF SHIPPING
15-2-07

NO. A 97

5521 B
17-5-05

16836 B
15-2-07

Lloyds

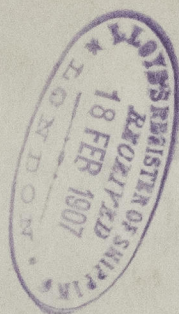
Lloyds Register
Foundation

W1605-0905

Messrs
Charles A & Y.

Boulder
Tregon

No 1559
Lloyds Test
320 lbs.
10. 5. 04
J. B.



s/s Tregon
Hull Report No. 19165

RETAIN



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Lloyd's Register
Foundation

W1605-0065