

The drawing consists of two parts: a cross-section on the left and a top view on the right.

Cross-section (Left): Shows a circular object with a central hole. The outer diameter is labeled $16\frac{1}{2}''$. The inner hole has a diameter of $16''$. The wall thickness is indicated as $1/2''$. The total height of the object is $1/3''$. The bottom flange has a thickness of $1/2''$ and a diameter of $16''$.

Top View (Right): Shows a circular object with a central hole. The outer diameter is $16\frac{1}{2}''$. The inner hole has a diameter of $16''$. The wall thickness is $1/2''$. The bottom flange has a diameter of $16''$ and a thickness of $1/2''$. The top view also shows concentric circles with diameters of $19''$ and $20\frac{1}{2}''$.

ALL PLATES & STAYS OF SIEMENS -
MARTIN STEEL
LONGITUDINAL SEAMS TREBLE
RIVETED WITH DOUBLE BUTT STRAPS
CIRCUMF. SEAMS DOUBLE RIVETED
LAP JOINT.
WORKING PRESSURE = 180 LBS. ^{IN}
TEST " 360 " -
ALL HOLES DRILLED IN PLATE THEN
PLATES TAKEN APART AND BURS
REMOVED.
HYDRAULIC RIVETING WHERE PRACTICABLE

THICKNESSES	
SHELL PLATES	$\frac{1}{4}$ "
INNER BUTT STRAPS	$\frac{1}{8}$ "
OUTER " " "	$\frac{1}{16}$ "
TOP ENDS	$\frac{1}{8}$ "
BACK BOTTOM	$\frac{13}{16}$ "
FRONT TUBE PLATE	$\frac{15}{16}$ "
BACK " "	$\frac{1}{16}$ "
G.C. BACKS - CENTRE	$\frac{1}{32}$ "
" " - WINGS	$\frac{5}{8}$ "
G.C. TOP & SIDES	$\frac{3}{8}$ "
G.C. BOTTOM	$\frac{3}{4}$ "
G.C. RIGIDERS	$\frac{3}{4}$ "
MANHOLE GONG RING	$\frac{1}{4}$ "
FURNACES	$\frac{1}{32}$ "

TENSILE STRENGTHS	
SHELL PLATES 28-32 TONS"	—"
BUTT STRAPS	—"
GIRDOR PLATES	—"
SOLID STEEL STAYS	—"
MANHOLE COMP. RING	—"
ALL OTHER PLATES 26-30 TONS"	
FURNACES	—"
SCREWED STAYS	—"
RIPET BARS	—"

HEATING & GRATE SURFACE #

HEATING SURFACE IN 358 TUBES	2214'
H.S. IN CHIMNEY & BACK TUB PLATES	306.3'
H.S. IN FURNACES	169.5'
TOTAL H.S. IN ONE BOILER	2690'
— " — 3 BOILERS	8070' #

FIREBRICK 6'-9" LONG IN ONE LENGTH

GRATE SURFACE — ONE BOILER	66 3/4' #
— " — 3 BOILERS	198 3/4' #

RATIO: G.S. : H.S. — 1 : 40.7

27 1/2" DIA. SAFETY VALVES EACH BOILER


BOILERS
— ENG N° 433 —
Ans.
27.9.15
3 - OFF.
15'-9" MEAN DIA⁸ X 12'-0" MEAN LENGTH
TO PASS LLOYDS REQUIREMENTS FOR 180 LBS. ^{sq} WORKING PRESSURE
SCALE:- 1" = 1'-0"
SEPT. 23RD 1915.

Mr Lloyd's Surveyors

Amended Plan

Lincaids No 483

Russells No 883

W. P. 180 lbs

1.0 "Oswego"

Grk 17085.



RETAIN

W817-0181



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Lloyd's Register
Foundation

Imp^d Lloyd's Surveyors

Amended Plan

Kineaid No 483

Russell No^{ss} 883

W. P. 180 lbs

S. O. Oswego

Grk 17035.