

15188 ⁸ Lion

Steam Ship "Standard,"

Diameter of Boilers = 11' 9".

Thickness of shell plates $\frac{7}{8}$ ".

Description of riveting. double and double butt straps,

Pitch of rivets. Horizontal seams $4\frac{1}{4}$ ". Circumferential $3\frac{1}{4}$ ".

Lap of plating. butt straps 9" broad " " $5\frac{1}{4}$ ".

Diameter of rivets " " 1" " " 1".

Number of Furnaces in each Boiler 2.

Length of Furnaces 4' 0".

Diameter of Furnaces 3' 2".

Thickness of Furnace plates $\frac{1}{2}$ ".

Joints of Furnace plates lapped and double rivetted.

Whether furnaces are strengthened with rings. none.

Length of Fire bars 6' 0".

Back uptake plates $\frac{1}{2}$ " thick. screw stayed $7\frac{1}{2} \times 7\frac{1}{2} \times 18$ dia full = 3656 lbs.

End plates $\frac{1}{16}$ " thick. bolt stayed $15 \times 14 \times 2$ dia = 4347 lbs.

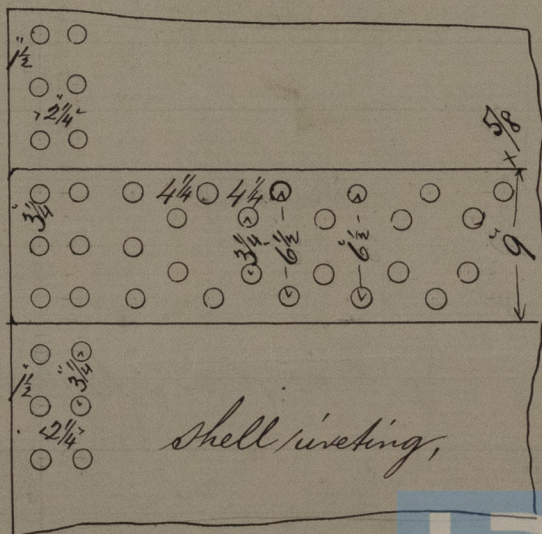
Flat plates where screw stayed = 113 lbs working pressure. Ends = 80 lbs.

Tube plates stayed with stay tubes. screwed into back tube plates.

Studs in flame box. None inside. Nuts on each side of front tube plates.

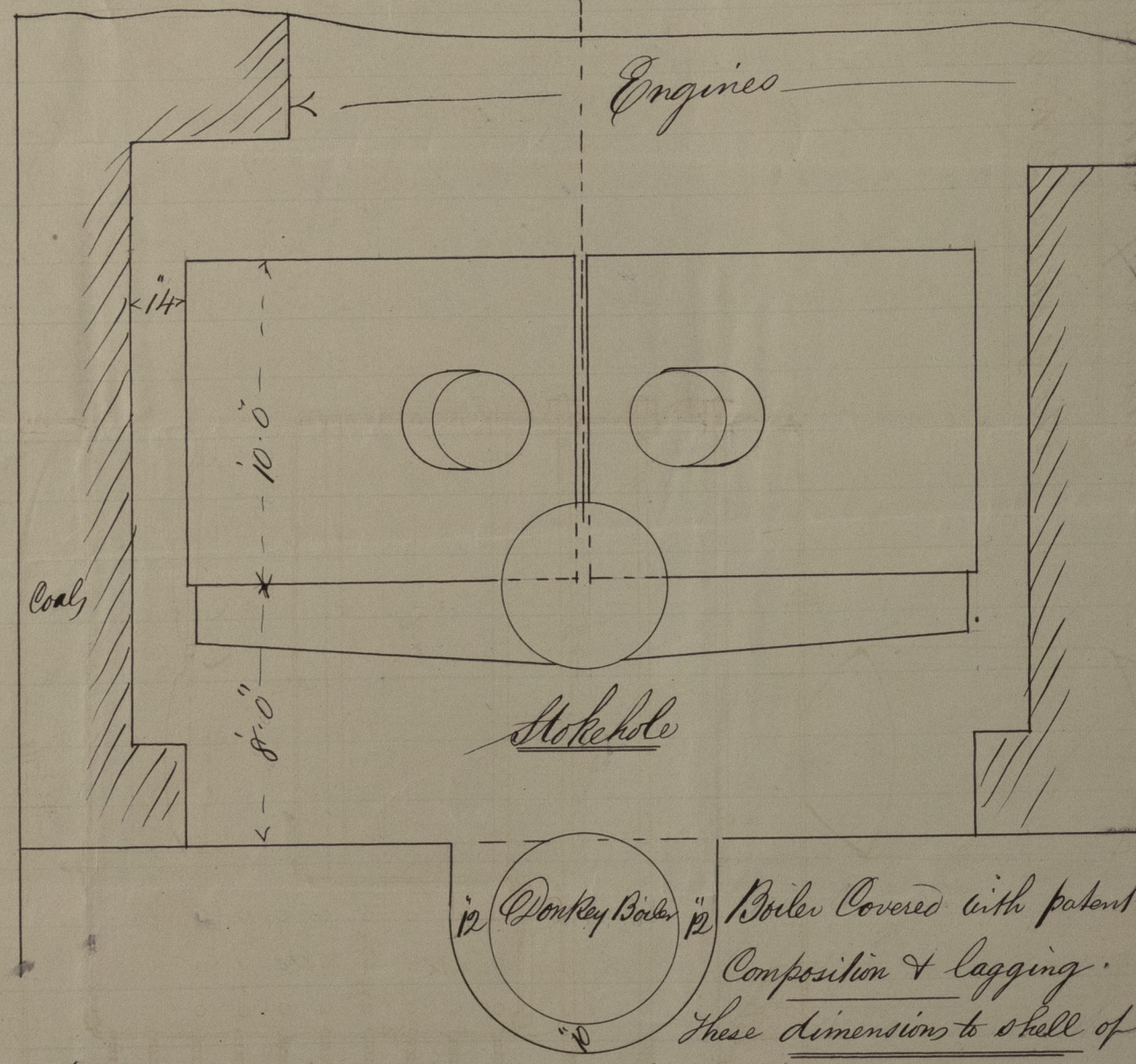
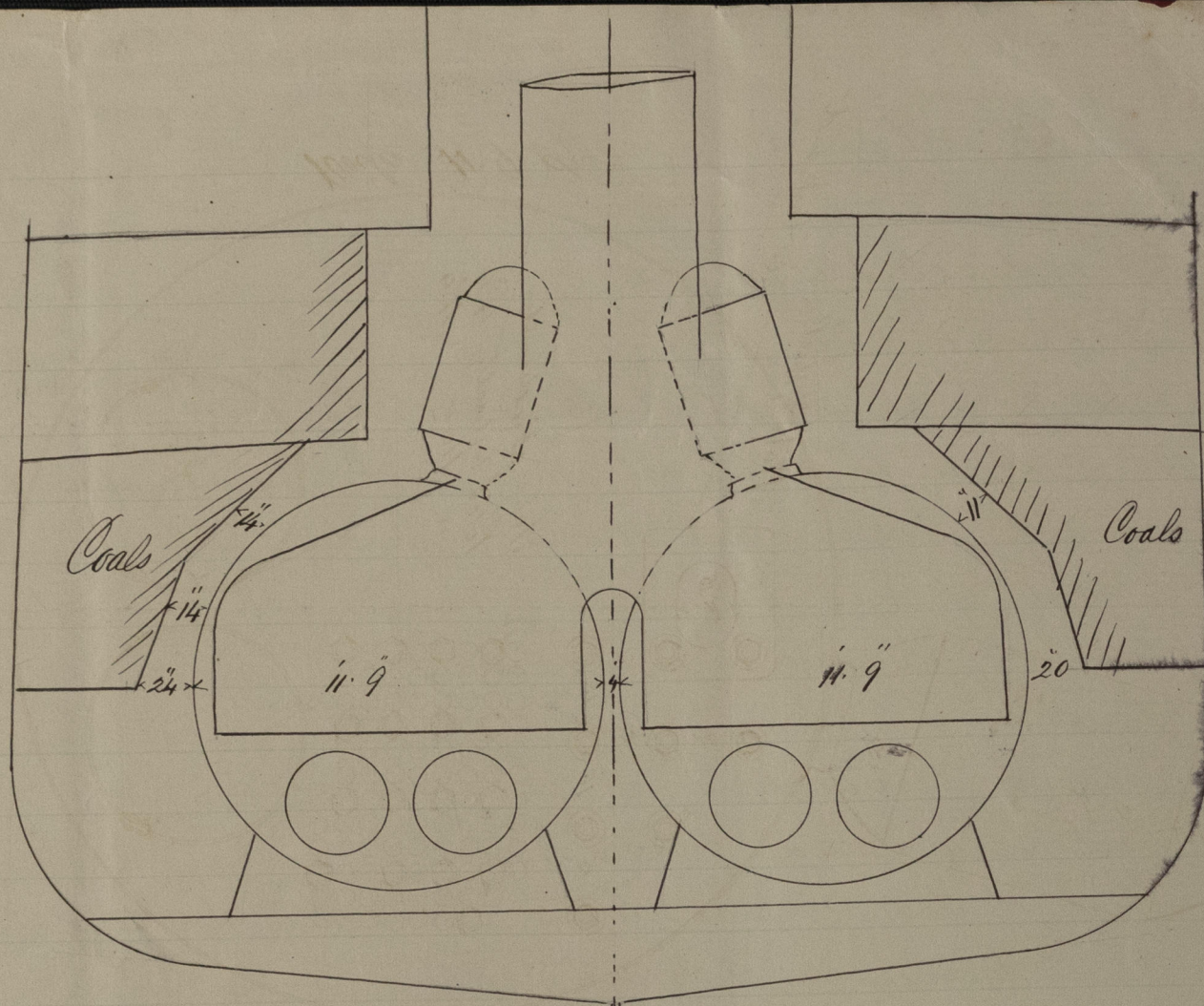
Shells = $\frac{51520 \times 1\frac{3}{4} \times 75}{139\frac{1}{4} \times 6.5} = 74$ lbs working pressure.

Furnaces $\frac{89600 \times \frac{1}{2}^2}{7 \times 38} = 84$ " " "



Shell riveting.

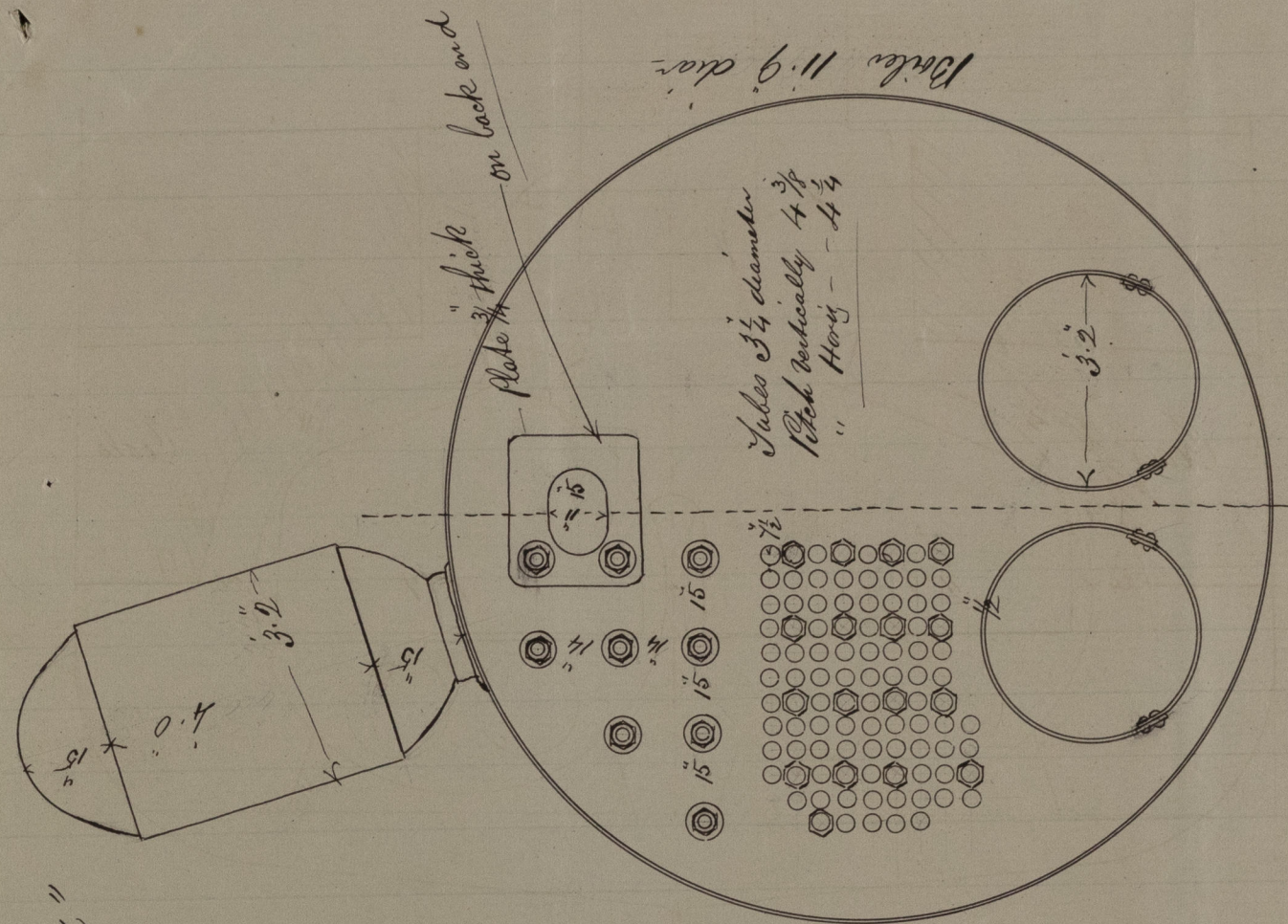
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Water Ballast Donkey. Cyl: 11" x 9" stroke

Pump 7 1/2" x 9" - double Acting. draws from Tanks & Pipes,

These dimensions to shell of Boilers



"Steam Ship Standard"

Working Surface 2815 sq ft

