

Steam Ship "Medusa."

Diameter of Boiler 13' 5".

Thickness of shell plates 1".

Description of riveting. Longitudinal seams treble. Circumf. double

Pitch of rivets " " 4 3/4. " 3 5/8.

Lap of plating " " 12" broad " 5 3/4.

Diameter of rivets " " 1 1/4. " 1 1/8.

Number of furnaces 3.

Diameter of furnaces 3' 0".

Length of furnaces 7' 3".

Thickness of furnace plates 1/2" & 9/16".

Joints of furnace plates double butt strapped and single riveted.

Length of fire bars 5' 6".

Furnaces if strengthened with rings. none.

Back uptake plates 1/2" thick screw stayed 8" x 7 1/2" x 1 1/8" = 4242 lbs.

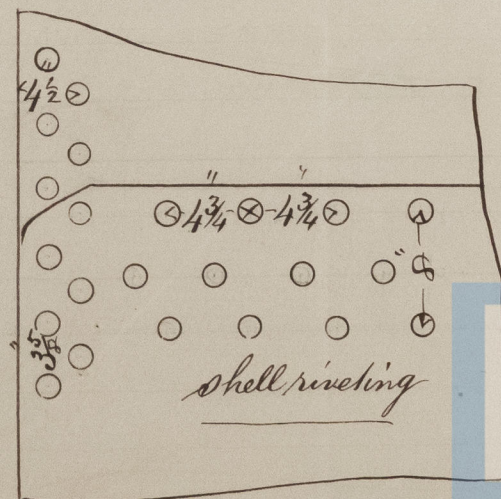
End plates 1/6" thick bolt stayed 13" x 13" x 1 3/4" = 4929 "

Flat plates where screw stayed = 106 lbs working pressure. Ends = 71 lbs

Tube plates stayed with stay tubes, screwed into both tube plates, but no nuts on either plates.

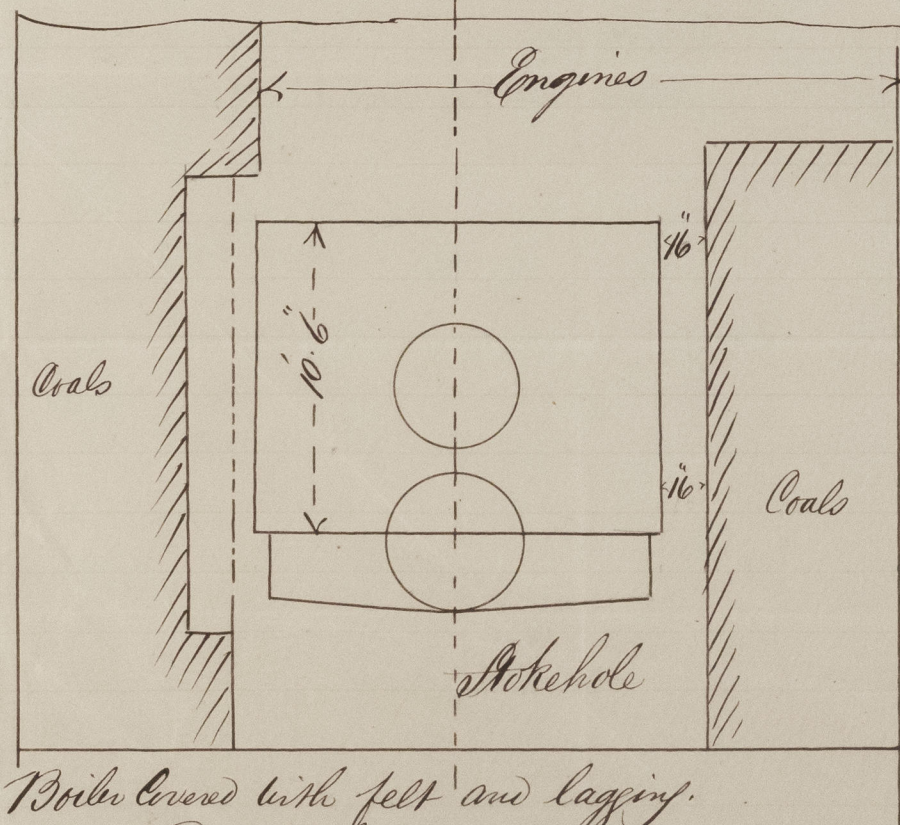
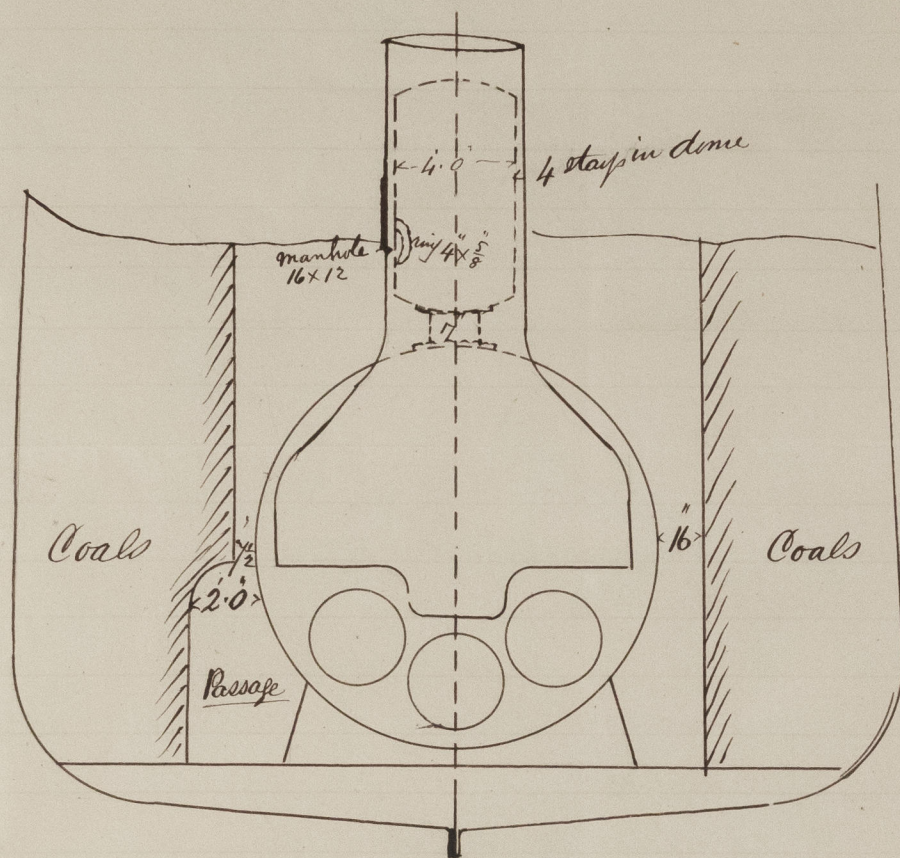
Shell - $\frac{51520 \times 2 \times 73}{159 \times 6.5} = 75$ lbs working pressure.

Furnaces - $\frac{89600 \times 1/2^2}{7/4 \times 36} = 85$ " " "



William Allison,
Engineer Surveyor,
Feb 8th 1876.

London Register
Foundation



Boiler covered with felt and lagging.
Donkey boiler on Main deck.



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