

15 269 Dr Recd 13/10/75

Steam ship "Sagunto"

Diameter of Boiler 13' 6".

Thickness of shell plates 1".

Description of riveting. Longitudinal seams Treble Circumfer^l double

Pitch of rivets 4" 4"

Dia^r of rivets 1 1/8" 1"

Lap of Plating 7 1/2" 5 1/4"

Number of Furnaces in Boiler 3.

Length of do 7' - 10"

Diameter of do 3' - 1"

Thickness of Furnace plates 5/8" & 9/16"

Joints of Furnace plates. lapped and single riveted.

Whether furnaces are strengthened with rings. plates flanged on top.

Length of Tie bars 5' 6".

Back uptake plates 1/2" thick, screw stayed 7 1/2" x 7 1/4" & 1 1/4" dia^r = 3166 lbs

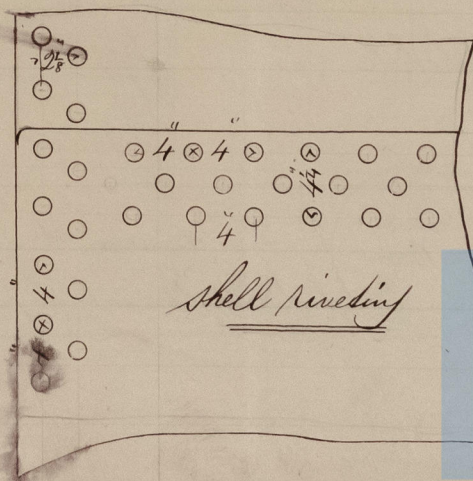
End plates 1/2" thick bolt stayed 17" x 14" & 2 1/4" dia^r = 4271 "

Flat plates where screw stayed = 118 lbs working pressure. Ends = 70 lbs with washers

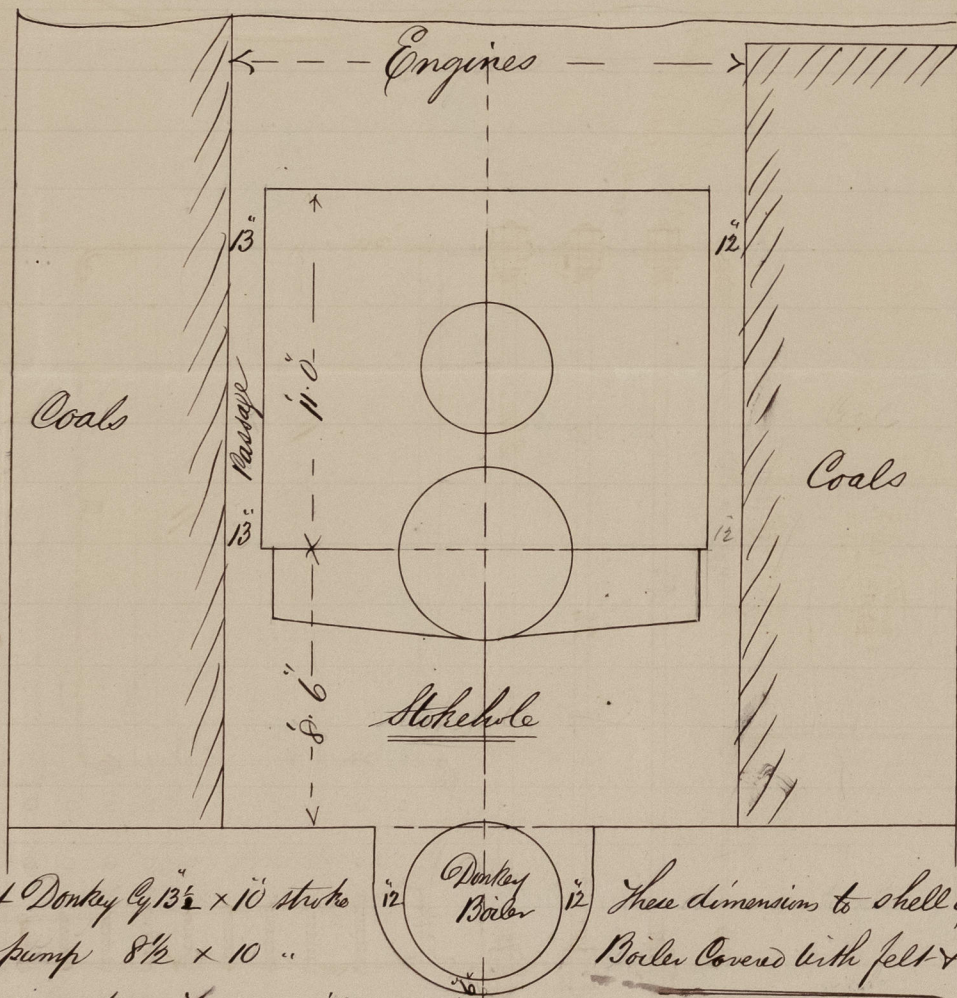
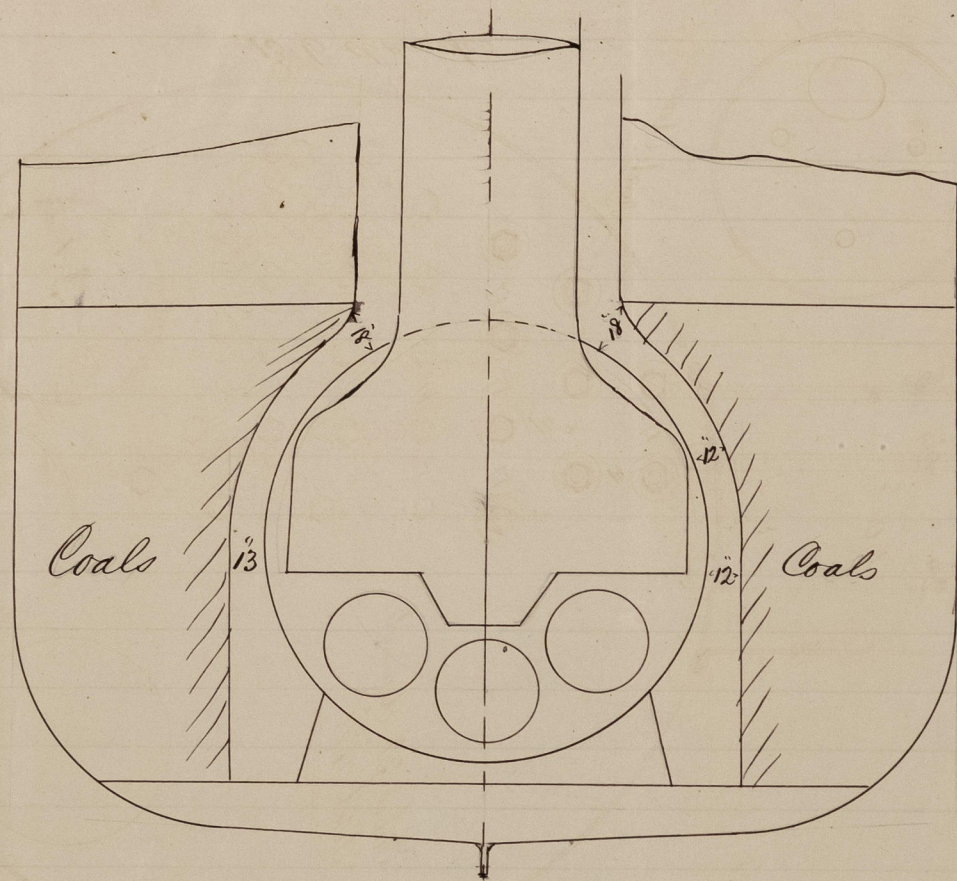
Tube plates stayed with stay tubes screwed into back tube plates, with nuts in flame box. but none inside. Nuts on each side of Front tube plate.

$$\text{Shells} = \frac{51520 \times 2 \times 72}{160 \times 6.5} = 71 \text{ lbs working pressure.}$$

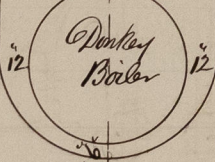
$$\text{Furnaces} = \frac{89600 \times \frac{9}{16}}{\frac{7}{16} \times 37} = 97 \text{ " " "}$$



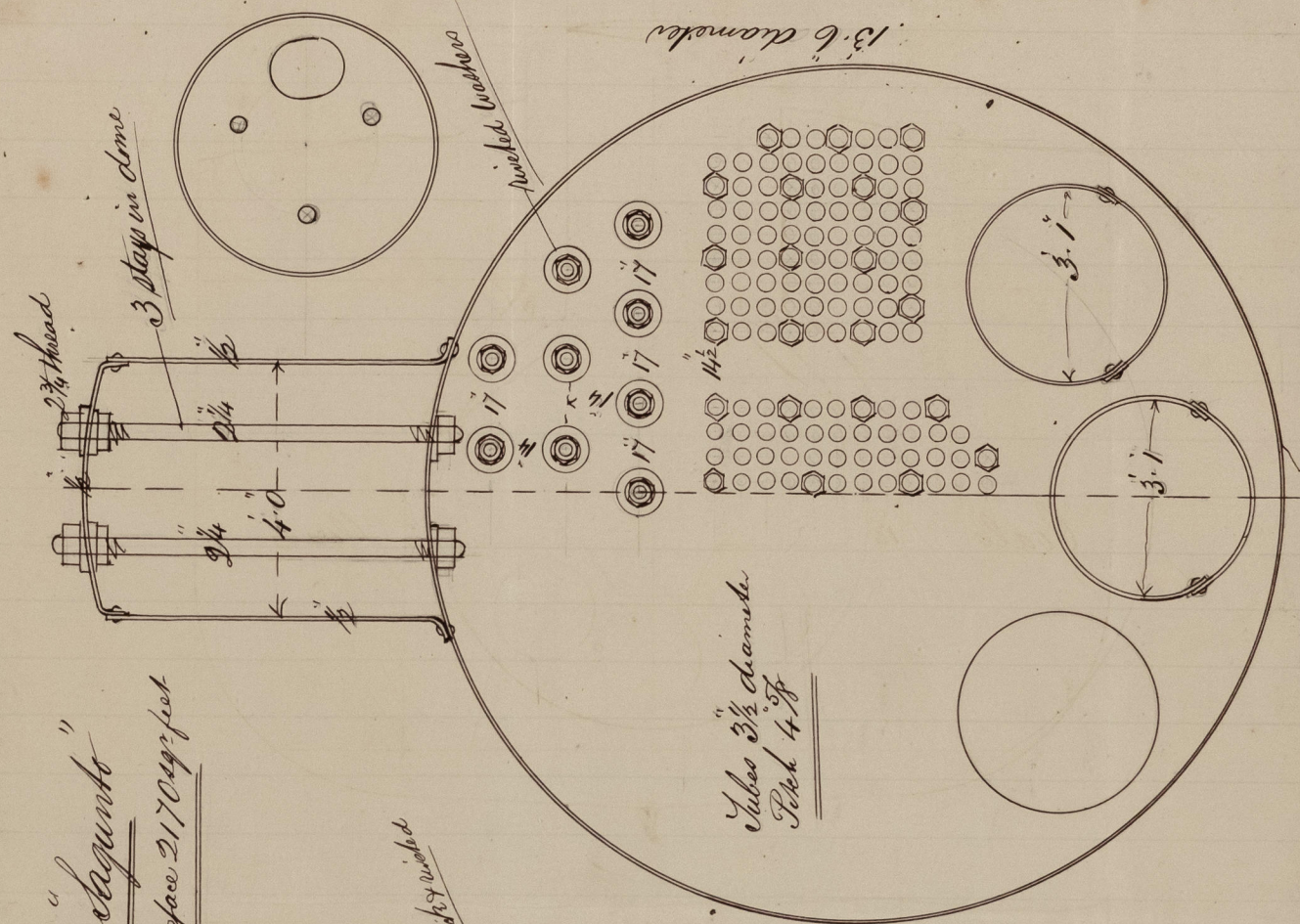
William Allison
Engineer Surveyor.
Oct. 11th 1875



Water Ballast Donkey Cy 13 1/2 x 10 stroke
double acting pump 8 1/2 x 10 "
This pump draws from Tanks & Pipes.



These dimensions to shell of Boiler.
Boiler Covered with felt & lagging.



Steamship "Argento"
Reading surface 2170 sq feet

