

15868 Iron
Steam Ship "Ascupart"
 Rec 1/3/76

Diameter of Boilers 11' 3".

Thickness of shell plates $\frac{1}{16}$ ".

Description of riveting, longitudinal seams, treble. Circumf. double

Pitch of rivets " " $4\frac{1}{2}$ " " 3".

Lap of plating " " $6\frac{1}{2}$ " " $5\frac{1}{4}$ ".

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

Number of furnaces in each boiler. 2.

Diameter of furnaces. 3' 0".

Length of furnaces. 7' 0 $\frac{1}{2}$ ".

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

Joint of furnace plates. double butt stripped & single riveted.

Length of fire bars 6' 3".

Furnaces if strengthened with rings, none.

Back uptake plates $\frac{1}{2}$ " thick screw stayed $9 \times 9 \times 1\frac{3}{8}$ = 3283 lbs.

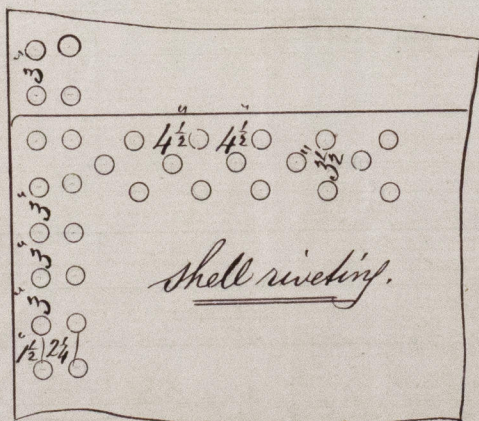
End plates $\frac{5}{8}$ " thick, bolt stayed $16\frac{1}{2} \times 16\frac{1}{2} \times 2$ square = 4083 lbs.

Flat plates where screw stayed = 79 lbs working pressure. Ends = 65 lbs.

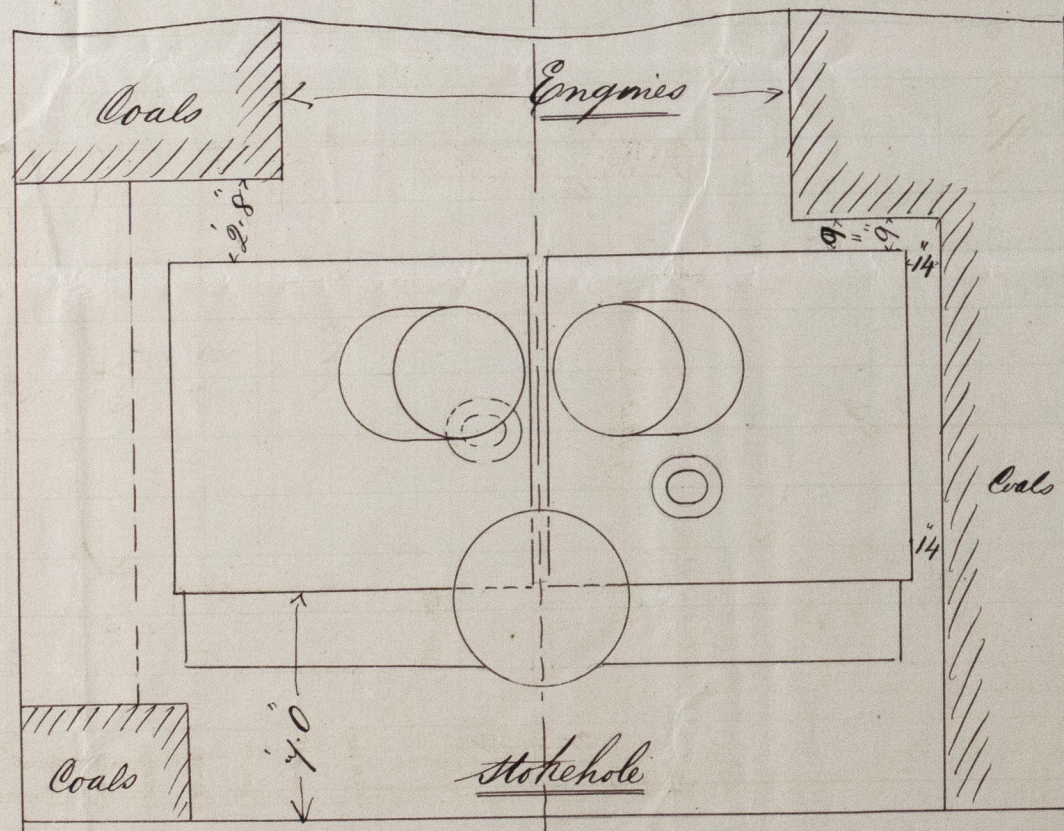
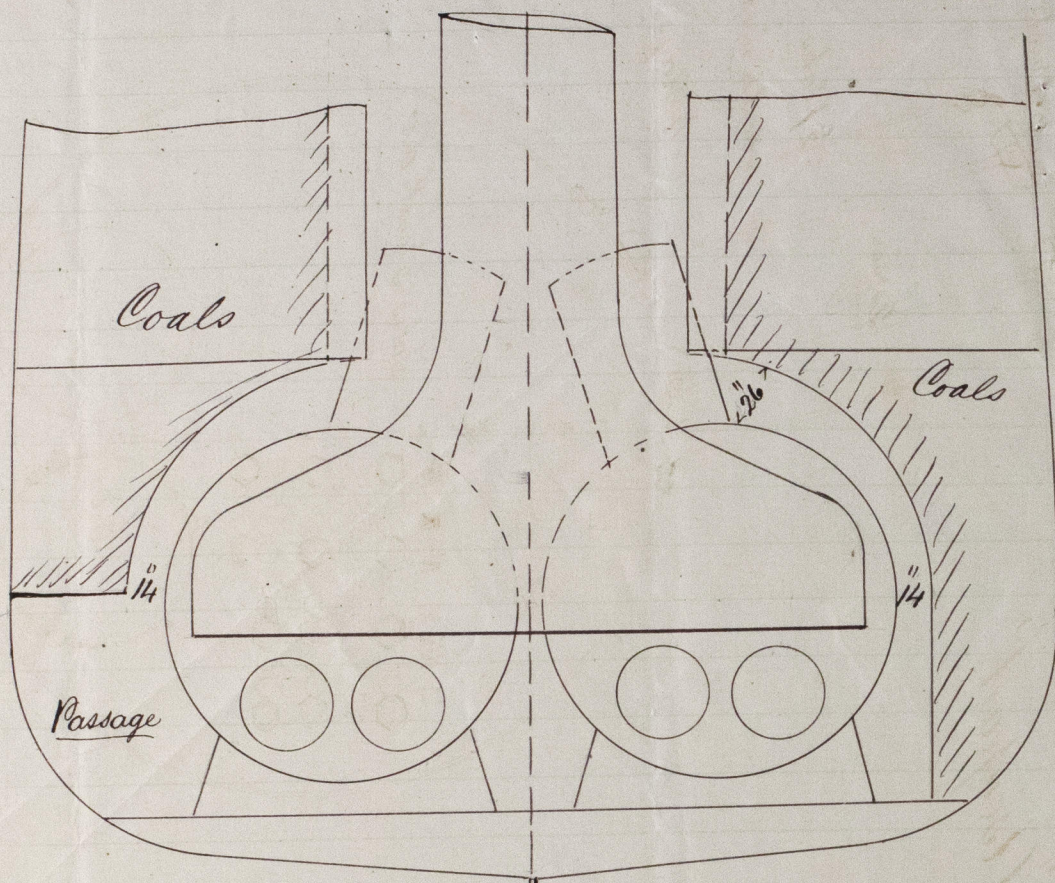
Tube plates stayed with stay tubes screwed into back tube plates with nuts inside. Nuts on each side of front tube plate.

$$\text{Shells} = \frac{51520 \times 1\frac{3}{8} \times 76}{133\frac{1}{2} \times 6.5} = 61 \text{ lbs working pressure.}$$

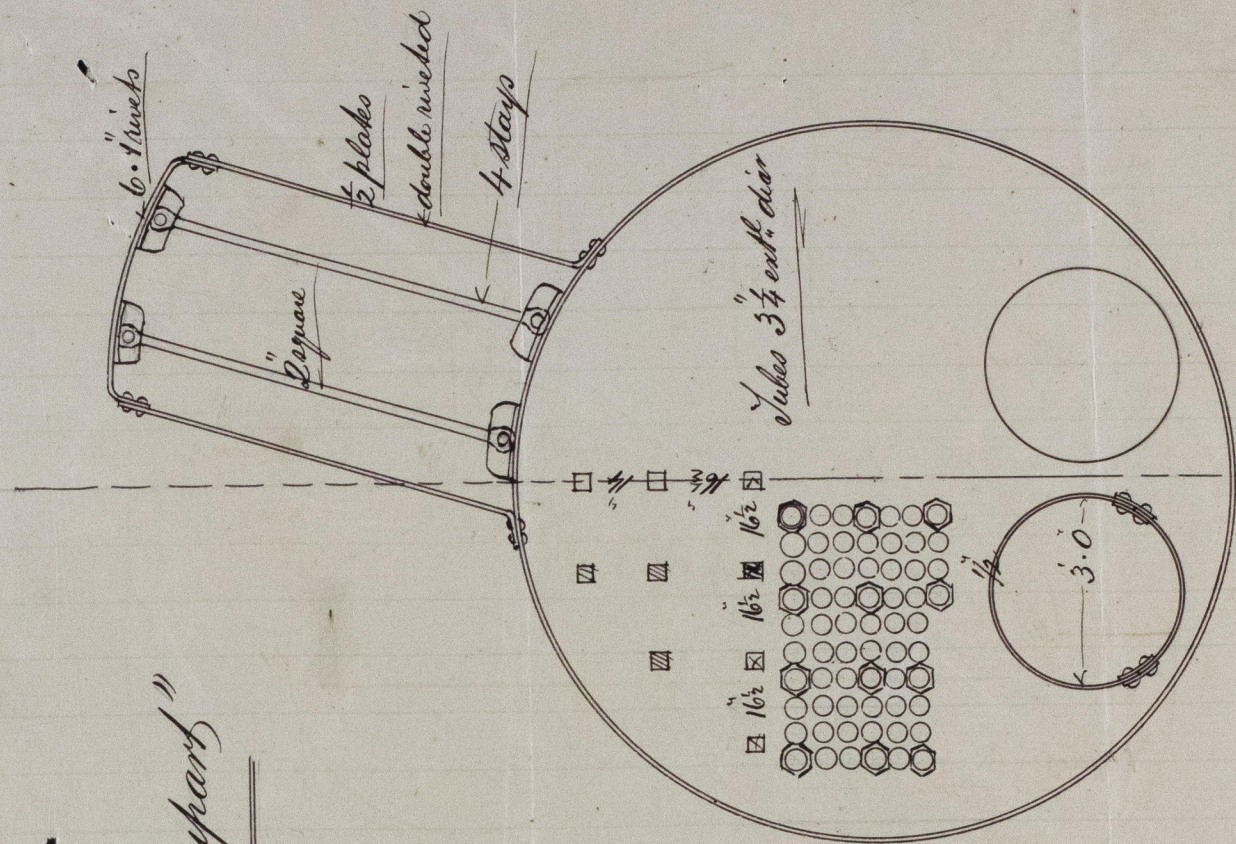
$$\text{Furnaces} = \frac{89600 \times \frac{1}{2}}{7\frac{1}{4} \times 36} = 88 \text{ " " "}$$



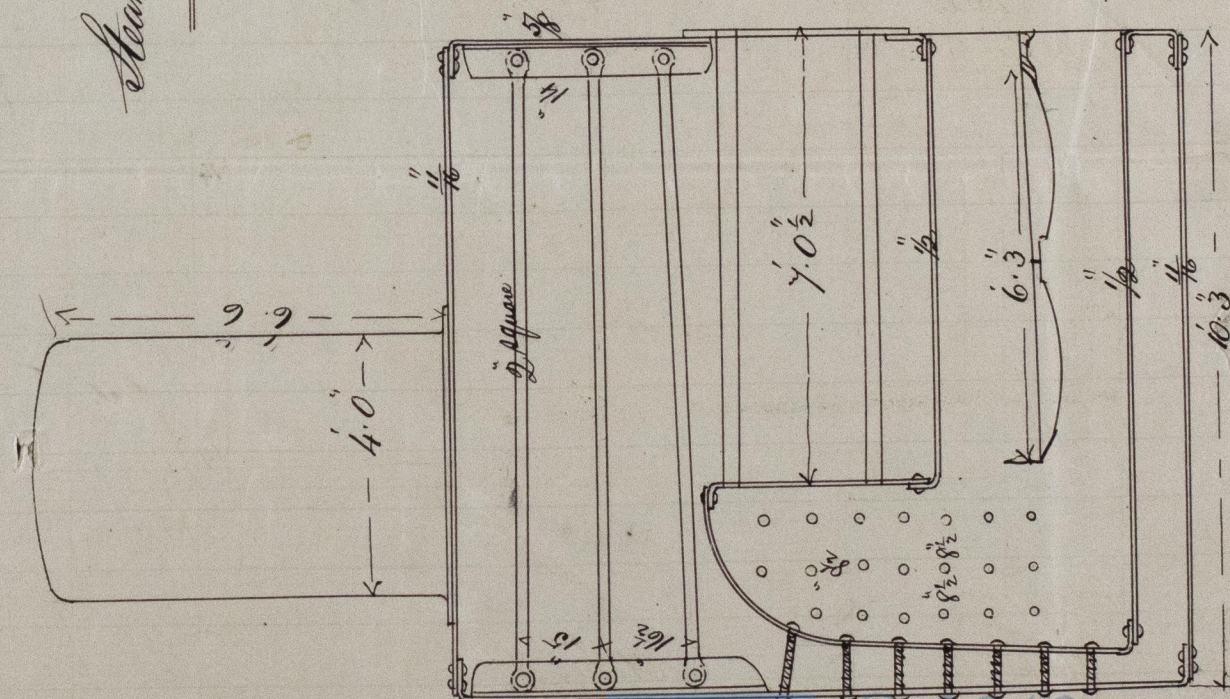
William Allison.
 Engineer Surveyor.
 Jan. 19th / 76.
 Lloyd's Register
 Foundation



Boilers Covered with felt & lagging, these dimensions to the skin of boiler
 Water ballast donkey, Cyl: 10" dia x 9" stroke, pump 6" dia x 9" stroke double acting,
 draws from tanks, bilges, & Condenser,



Steamship "Acquart"



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