

Steam ship "Trevethick"

Rec 24/2/76

Diameter of Boilers 10' 0"
 Thickness of shell plates $\frac{13}{16}$ "
 Description of riveting. double throughout.
 Pitch of rivets. $3\frac{1}{2}$ "
 Lap of plating. Longitudinal seams 5". Circumf. $4\frac{1}{2}$ "
 Diam. of rivets " " 1" 1"

Number of furnaces in each boiler 2.

Diameter of furnaces 3' 0".

Length of furnaces 7' 0".

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

Joints of furnace plates. lapped and single riveted.

Length of fire bars 5' 0".

Furnaces if strengthened with rings. none.

Back uptake plates $\frac{1}{2}$ " thick screw stayed $9 \times 8\frac{1}{2} \times 1\frac{1}{4}$ di = 4702 lbs

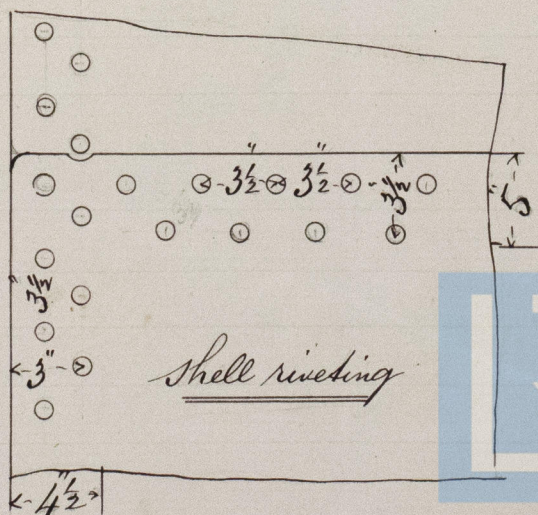
End plates $\frac{5}{8}$ " thick, with double angle irons. $14\frac{1}{2} \times 13 \times 1\frac{3}{4}$ sq. = 4293 "

Flat plates when screw stayed = 83 lbs working pressure. Ends = 80 lbs

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.

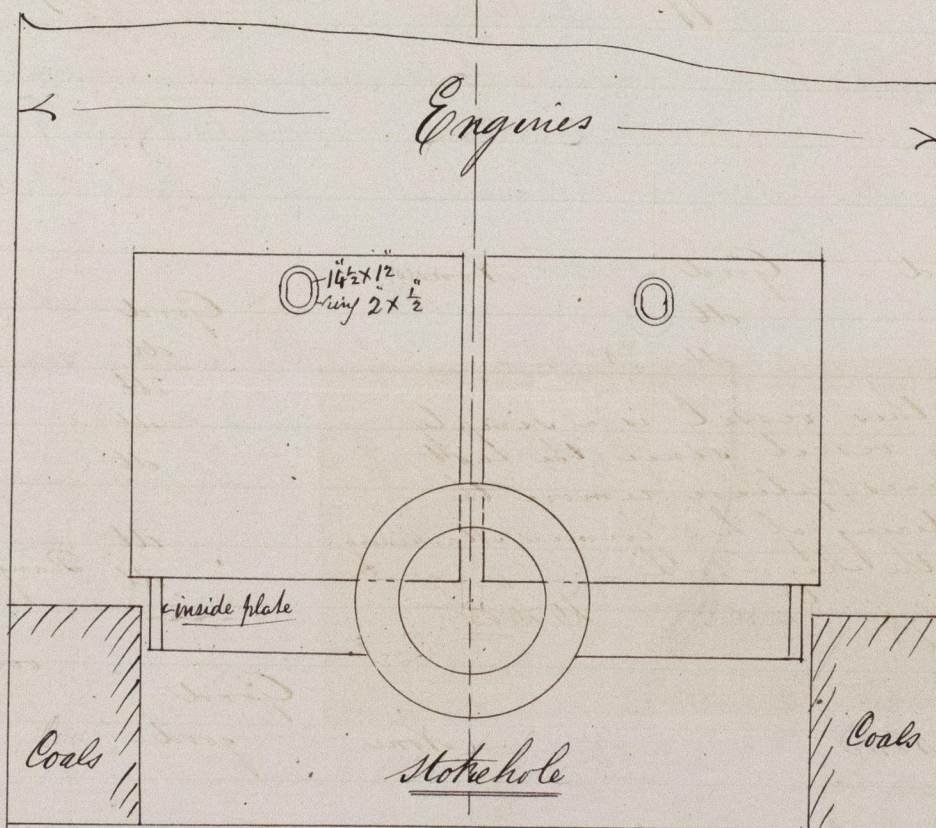
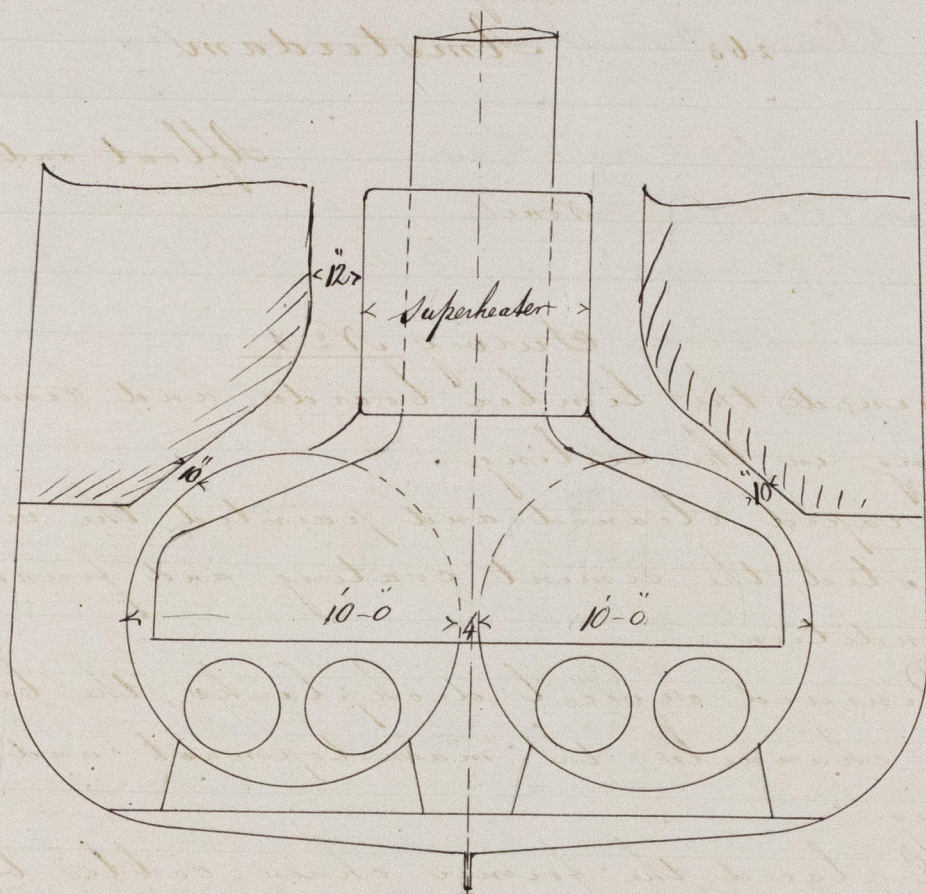
$$\text{Shell} = \frac{51520 \times \frac{5}{8} \times 62}{119 \times 6.5} = 67 \text{ lbs working pressure.}$$

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

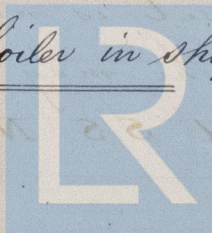


William Allison.
 Engineer Surveyor.
 Feb. 8th /76.

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There is no donkey boiler in ship.



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