

15950 <sup>in</sup>

# Steam ship Lady Hilda

Rec 8/3/76

Diameter of Boiler 9' 9"  
Thickness of shell plates  $\frac{3}{4}$ "

Description of riveting, double and double butt straps.

Pitch of rivets, longitudinal seams  $3\frac{1}{4}$ " Circumfl. 3"

Lap of plating, butt straps  $8\frac{3}{4}$ " "  $4\frac{3}{4}$ "

Diameter of rivets " "  $\frac{7}{8}$ " " 1"

Number of furnaces 2

Diameter of furnaces 2' 11"

Length of furnaces = 6' 9"

Thickness of furnace plates  $\frac{1}{2}$ " &  $\frac{9}{16}$ "

Joints of furnace plates, double butt strapped & single riveted.

Length of fire grate 3' 6"

Whether furnaces are strengthened with rings: none.

Back uptake plates  $\frac{1}{2}$ " thick. screw stayed  $7\frac{1}{2} \times 7\frac{1}{2} \times 1\frac{3}{8} = 2812$  lbs

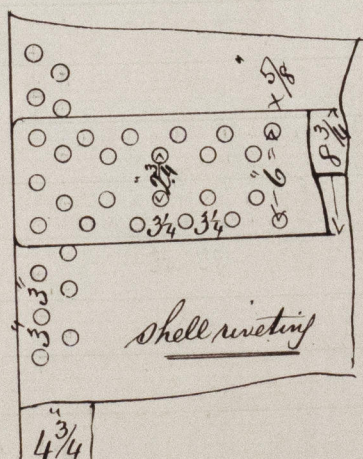
End plates  $\frac{1}{16}$ " thick, bolt stayed  $2\frac{1}{8}$  dia  $15 \times 14\frac{1}{2} = 4350$ "

Flat plates when screw stayed = lbs working pressure Ends = 73"

Tube plates stayed with stay tubes screwed into back tube plate but no nuts. Nuts on each side of front tube plate.

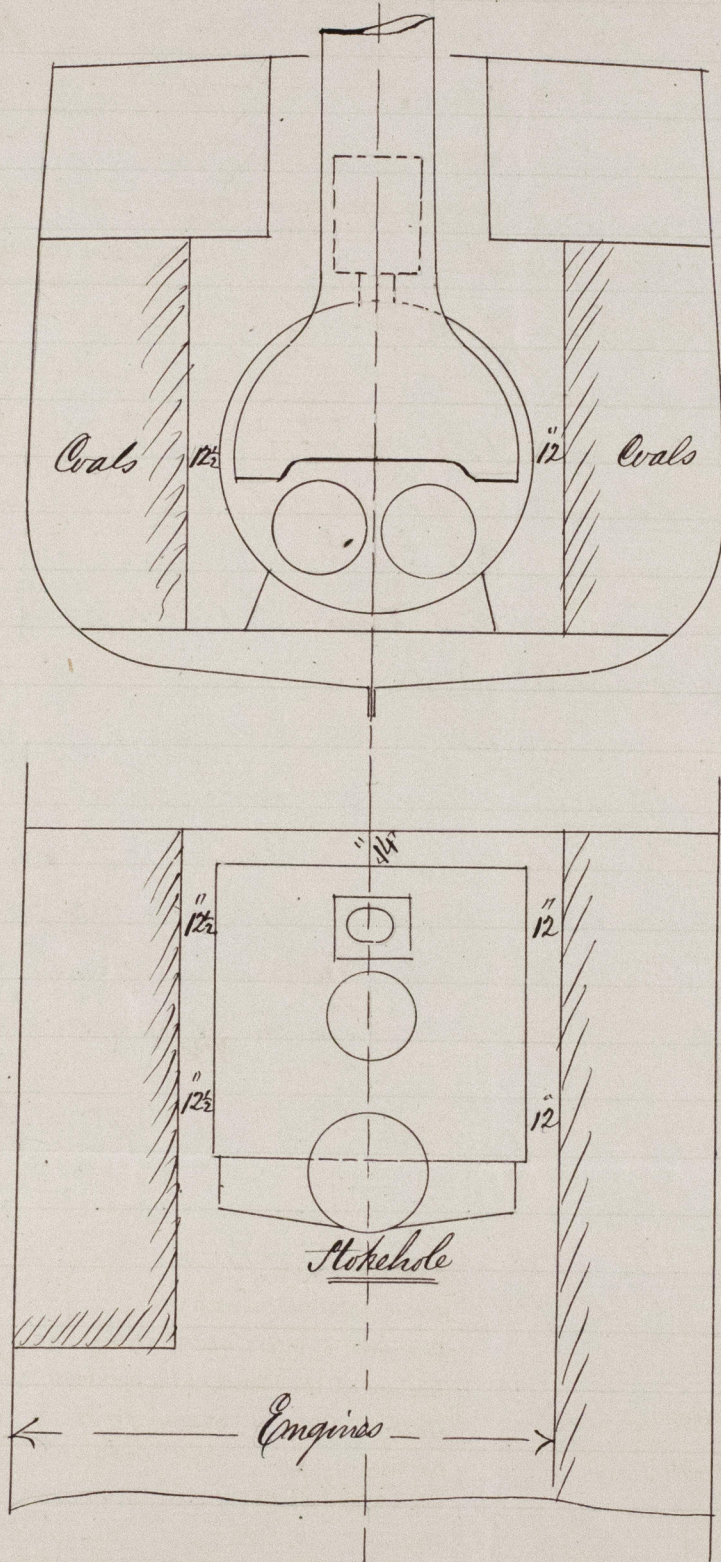
$$\text{shells} = \frac{51520 \times 1\frac{1}{2} \times 73}{115\frac{1}{2} \times 6.5} = 75 \text{ lbs working pressure}$$

$$\text{Furnaces} = \frac{89600 \times \frac{1}{2}}{6\frac{3}{4} \times 35} = 94 \text{ " " "}$$



William Allison.  
Engineer Surveyor.  
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*Boiler covered with Composition and Sheet iron.*

*Donkey boiler on deck.*



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