

Straps $\frac{1}{16}$ " Pl. $\frac{3}{4}$ " Rivets - $\frac{13}{16}$ " Holes
 Plate = $\frac{5 - 8.125}{5} = 83.7\%$
 Rivets = $\frac{5 \times 5.1849}{5 \times 5} = 88\%$

— U. S. RULES —

$$\text{Shell} = \frac{60,000 \times 5}{6 \times 36} + 20\% = \underline{166 \text{ lbs.}}$$

$$\text{Heads} = \frac{200 \times (8 + 12 + 72)^2}{225} = \underline{184 \text{ lbs.}}$$

$$\text{Furnace} = \frac{57.6}{30.875} [(18.75 \times 7) - (103 \times 36)] = \underline{174 \text{ lbs}}$$

- LLOYDS RULES -

$$\text{Shell} = \frac{21 \times (8-2) \times 83.7}{23} = \underline{143 \text{ lbs.}}$$

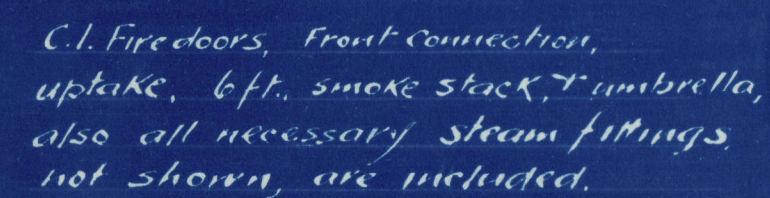
$$\text{Heads} = \frac{175 \times (8 + \frac{13}{2})^2}{225} = \underline{152 \text{ lbs.}}$$

$$\text{Furnaces} = \frac{50 \times (300 \times .4375 - 36)}{30.875} = \underline{154 \text{ lbs.}}$$

Heating Surface = 652 ft²

WORKING PRESSURE = 125 lbs.

$$T.S. = 60,000 \text{ lbs.}$$



Grays Harbor Motorship Corporation.

— GRAYS HARBOR —

— SHIP BUILDING COMPANY —

Plant
ABERDEEN, WASH.

General Office
Seattle, Wash.

Feb. 26th 1917.

DONKEY BOILER

Contract No. 4

Draw'n By.

Approved by,

Traced by	
Checked by	

Scale 1"=1'-0"

DRAWING No 112

Case No. File No.

W966-0110

Balestrand
Sea No. 573

W.H.B.

Donkey Brilis

RETAIN



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