

MONTORO.

Invert. Steel main Boilers No. 114 by Clyde S. B. May Coy. built
for their No. 296 Vessel.

180 ft. "Working Pressure"

$$\text{Plate \% } \frac{10.25 - 1.5}{10.25} \times 100 = 85.3$$

$$\text{Ends top } \frac{145 \times 16.5^2}{260} = 183 \text{ lb.}$$

$$\text{Rivet \% } \frac{5 \times 1.76 \times 1.75 \times 85}{10.25 \times 1.4375} = 89.2$$

$$\text{Stays } \frac{5.27 \times 10400}{16 \times 16.25} = 211 \text{ lb.}$$

$$\text{Shell } \frac{22 \times 85.3 (23-2)}{189} = 208 \text{ lb.}$$

$$\text{Front tube } \frac{140 \times 15^2}{13.5^2} = 143 \text{ lb.}$$

$$\text{Furnace } \frac{12.59 (10-2)}{50.25} = 200 \text{ lb.}$$

$$\text{Back } \frac{140 \times 12^2}{4.5^2} = 358 \text{ lb.}$$

$$\text{Comb. brs. } \frac{135 \times 10^2}{70} = 193 \text{ lb.}$$

$$\text{Boiler Back } \frac{135 \times 13.5^2}{12.5} = 196 \text{ lb.}$$

$$\text{" Stays } \frac{2.05 \times 9000}{70} = 262 \text{ lb.}$$

$$\text{" Stays } \frac{2.75 \times 9000}{11 \times 8.25} = 278 \text{ lb.}$$

$$\text{" Girths } \frac{10660 \times 9.5^2 \times 1.5}{(33.6-8) 8.75 \times 33.6} = 192 \text{ lb.}$$

W.D. 4 Dec. 1910.

Lloyd's Register
Foundation

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