

Invert Steel Main Boiler Co. 484. by Cleaveland & Boring Co. Inc. for
E. S. Mursley.

100 lbs. working pressure.

$$\text{Plate } \frac{5.845 \times 8725}{5.845} \times 100 = 86.1$$

$$\text{Rivet } \frac{9.5 \times 52 \times 1.45 \times 85}{5.845 \times 6845} = 95.6$$

$$\text{Shell } \frac{22 \times 86.1 (11-2)}{162} = 105 \text{ lbs.}$$

$$\text{Furnace } \frac{1160}{444} (6-2) = 105 \text{ lbs.}$$

$$\text{Combust. } \frac{135 \times 9^2}{109} = 100 \text{ lbs.}$$

$$\text{Stays } \frac{1.22 \times 8000}{11.5 \times 9.25} = 91.5 \text{ lbs.}$$

$$\text{Guide } \frac{10660 \times 7.5 \times 1.5}{(28.68-9) 10 \times 28.68} = 159 \text{ lbs.}$$

$$\text{Ends top } \frac{145 \times 14^2}{485} = 104 \text{ lbs.}$$

$$\text{Stays } \frac{5.27 \times 10400}{23 \times 21} = 113 \text{ lbs.}$$

$$\text{Front tube } \frac{140 \times 12.5^2}{14.5} = 104 \text{ lbs.}$$

$$\text{Back } \frac{140 \times 11^2}{9.395^2} = 192 \text{ lbs.}$$

$$\text{Boiler Back } \frac{135 \times 12^2}{15.0} = 130 \text{ lbs.}$$

$$\text{Stays } \frac{1.46 \times 8000}{11.06 \times 9.25} = 134 \text{ lbs.}$$

W.R.H.
 12/18/09

Lloyd's Register
 Foundation

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