

S. S. Lebanon

% 74.4 River 77.8

WP Shell up

$$\frac{260 \times 74.4 \times 765}{145.5} = 105$$

WP main Stays. 3.2 eff area

$$\frac{3.2 \times 9000}{18 \times 16} = 106$$

Screw Stays 1.19 eff area

$$\frac{1.19 \times 8000}{8 \frac{3}{8} \times 8} = 137 \text{ lbs}$$

Screw Stays 1.34 eff area 1.34

$$\frac{1.34 \times 8000}{11 \times 8} = 121 \text{ lbs}$$

Flat plates in Steam Space

$$\frac{175 \times 14^2}{18^2} = 105 \text{ lbs}$$

Flat plates in Water Space.

$$\frac{135 \times 8^2}{8^2} = 11 \text{ g lbs}$$

Steel tube plates in neck of boiler.

$$\frac{140 \times 11^2}{9} = 209 \text{ lbs}$$

Steel tube plates between neck of pipe

$$\frac{160 \times 12^2}{14 \frac{1}{2}^2} = 189 \text{ lbs}$$

Girders

$$\frac{9900 \times 6 \frac{1}{2}^2 \times 1 \frac{1}{4}}{(264 - 82) 9 \frac{3}{4} \times 264} = 112 \text{ lbs}$$

Furnaces

$$\frac{8000 \times 2}{3 \frac{1}{4}} = 119 \text{ lbs}$$

Flat plates in C. C. crown

$$\frac{135 \times 9^2}{9 \frac{3}{4}^2} = 118 \text{ lbs}$$



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