

main Boiler h^o 849 by Monday Burnett & Co for Fallerton h^o 3
h^o 159 vessel.

130 lb^o Working Pressure.

plate % $\frac{6.625 - 1.0625}{6.625} \times 100 = 83.9$.

front tube $\frac{140 \times (12 + \frac{1}{2})^2}{211} = 181 \text{ lbs}$;

Rivet^o $\frac{4 \times .89 \times 1.75 \times 85}{6.625 \times .9375} = 848$

Back tube $\frac{140 \times 12^2}{11.845^2} = 143 \text{ lbs}$

Shell $\frac{21 \times 83.9 (15 - 2)}{180} = 124 \text{ lbs}$;

Boiler Back $\frac{135 \times (10 + \frac{1}{2})^2}{141} = 184 \text{ lbs}$;

Furnace $\frac{50 (200 \times .666 - 78)}{28 \times 42} = 140 \text{ lbs}$;

" Stays $\frac{1.72 \times 8000}{12.125 \times 8.5} = 133 \text{ lbs}$

Comer^o $\frac{135 \times 9^2}{83.6} = 131 \text{ lbs}$

" Stays $\frac{1.44 \times 8000}{9.45 \times 8.5} = 139 \text{ lbs}$

Ends $\frac{9900 \times 7.5^2 \times 1.5}{(31.68 - 9) 9 \times 31.68} = 129 \text{ lbs}$;

Ends top $\frac{175 \times 15^2}{298} = 133 \text{ lbs}$;

" Stays $\frac{4.3 \times 10000}{16.5 \times 18} = 145 \text{ lbs}$;

W.H.
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