

2 Steel main boilers to be made by R. W. Hawthorn  
Leslie & Co for their No 324 vessel

|                          |  |
|--------------------------|--|
| Shell                    | $\frac{19.25 \times (21 - 2) \times 84.03}{186} = 165 \text{ lbs.}$                          |
| Stays (steam space)      | $\frac{6.17 \times 9000}{18.87 \times 15} = 196 \text{ lbs.}$                                |
| Screw stays              | $\frac{1.74 \times 8000}{9.187 \times 8.87} = 171 \text{ lbs.}$                              |
| End plates (steam space) | $\frac{185 \times 18^2}{18.87^2} = 168 \text{ lbs.}$   |
| Front tube plate         | $\frac{170 \times 16^2}{16.5^2} = 160 \text{ lbs.}$  |
| Back end plate           | $\frac{135 \times 16.5^2}{15^2} = 163 \text{ lbs.}$  |
| Combustion chambers      | $\frac{135 \times 10^2}{9.18^2} = 160 \text{ lbs.}$  |
| Girders                  | $\frac{9900 \times 9.75^2 \times 1.125}{(132 - 8) \times 8.25 \times 32} = 166 \text{ lbs.}$ |
| Furnaces                 | $\frac{1160 \times (8.5 - 2)}{46.06} = 163 \text{ lbs.}$                                     |

J. L. Stoddant

13. 3. 94