

Steel boilers to be made by Messrs. J. Richardson
 & Sons for vessels h.^o 199 & 201 building by
 Messrs. Furness, Withy & Co.

Shell	$20 \times (18.5 - 2) \times 85.08 = 161 \text{ k.}$
Main stays	$\frac{174}{5.94 \times 9000} = 165 \text{ k.}$
Screw stays	$\frac{18^2}{1.484 \times 8000} = 159.6 \text{ k.}$
End plates (steam space)	$\frac{8.75 \times 8.5}{185 \times 14^2} = 165 \text{ k.}$
Front tube plates	$\frac{150 \times 15^2}{14.5^2} = 160 \text{ k.}$
Back " "	$\frac{1600 \times (4.5 - 2.87) \times 12}{40.5 \times 4.5} = 171 \text{ k.}$
Combustion Chambers	$\frac{135 \times 10^2}{8.75^2} = 176 \text{ k.}$
Guiders	$\frac{9900 \times 10^2 \times 1.75}{(39 - 8.5) \times 8.75 \times 39} = 166 \text{ k.}$
Furnaces (Steel under 26 tons)	$\frac{1000 \times (9 - 2)}{43.75} = 160 \text{ k.}$

J. E. Stoddart

23. 2. 93

HPL371-0022