Mult^r Steel Main Boiler (No. 391) by The Clyde S.B. & Eng: Coy Lim^d for their No. 278 Vessel.

180 lbs Working pressure.

Peak % $\frac{8.625 - 1.25}{8.625} \times 100 = 85.5$

Rivet % $\frac{5 \times 1.23 \times 1.75 \times 85}{8.625 \times 1.18} = 90$

Shell $\frac{22 \times 85.5 (19-2)}{15.6} = 205$ lbs:

Furnace $\frac{1259 (8-2)}{41.5} = 182$ lbs:

Comb^n Ch^r $\frac{135 \times 10.5^2}{79} = 188$ lbs:

" Stays $\frac{1.76 \times 8000}{9.875 \times 7.75} = 185$ lbs.

" Girders $\frac{10660 \times 8.5^2 \times 1.5}{(28.46 - 8.25) 9.5 \times 28.46} = 212$ lbs.

Ends top $\frac{175 \times 20^2}{371.5} = 189$ lbs:

" Stays $\frac{7.5 \times 10400}{19 \times 19.5} = 212$ lbs:

Front tube $\frac{140 \times 20^2}{14.5^2} = 267$ lbs:

Back " $\frac{140 \times 13.5^2}{9.5^2} = 282$ lbs:

Boiler Back $\frac{135 \times 13.5^2}{123} = 201$ lbs:

" " Stays $\frac{2.4 \times 9000}{11.93 \times 7.75} = 233$ lbs:

WK lc.
14th Sept. 1904.