

W. Rowan & Co. AUXILIARY BOILER No.
901-2-3-4-5

circumferential seam plate $\frac{2.76 - 1.06}{2.76} = 61.5$

rivets $\frac{23 \times .89 \times 2}{29 \times 2.76 \times .922} = 55.5$

Longitudinal seams - plate $\frac{7.156 - 1}{7.156} = 86$

rivets $\frac{23 \times .785 \times 5 \times 1.875}{29 \times 7.156 \times .922} = 88.5$

combined $\frac{7.156 - 2}{7.156} + \frac{88.5}{5} = 72.1 + 17.7 = 89.8$

Shell $\frac{27.5 \times 86 \times 29}{2.75 \times 136.156} = 183$

Turns $\frac{480 \times 14.5}{36.03} = 193$

Top ends $\frac{96 \times 900}{256 + 217.56} = 182$

Tube plates. front w w space $\frac{72 \times 676}{192.51 + 76.56} = 181$. Back $\frac{38 \times 484}{10.172 + 103} = 179$

Girders $\frac{371 \times 43.89 \times 56 \times}{27.625 \times 18.875 \times 9.25} = 188$

CCs $\frac{75 \times 400}{76.56 + 90.25} = 180$

Lower back $\frac{86 \times 529}{76.56 + 172.26} = 181$

Main stay. $2\frac{1}{2}$ $\frac{53585}{244} = 219$

$2\frac{1}{4}$ $\frac{42898}{222} = 193$

Screw stay $1\frac{5}{8}$ $\frac{15214}{83} = 183$

$1\frac{3}{4}$ $\frac{18144}{99} = 183$

$1\frac{7}{8}$ $\frac{21332}{101} = 211$

2 $\frac{24777}{121} = 204$