

Steel mult = Boiler (Blakes patent) by Men Copley
Turner & Co for Men Furness, withy & Co's No 215-75.

80th working press.

Plate % $\frac{3.375 - .8125}{3.375} \times 100 = 76$

Rivet % $\frac{3 \times .52 \times 85}{3.375 \times 4.4375} = 89$

Shell $\frac{185 \times 76 \times (7-2)}{84} = 83 \text{ lbs.}$

Fire Box $\frac{89600 \times .5625^2}{5.25 \times 54} = 94 \text{ lbs.}$

" " $\frac{8000 \times 9}{54 \times 16} = 49 \text{ lbs.}$

Comer cut $\frac{120 \times 8^2}{9.45^2} = 80 \text{ lbs.}$

" " Stays $\frac{148 \times 6000}{9.45^2} = 93 \text{ lbs.}$

" " top $\frac{135 \times 9^2}{11^2} = 90 \text{ lbs.}$

" " Stays $\frac{1.48 \times 6000}{11 \times 10} = 80 \text{ lbs.}$

Spiders $\frac{9000 \times 7^2 \times 14}{(28-10) \times 11 \times 28} = 99 \text{ lbs.}$

Front tube wp. $\frac{18.5 \times 286 \times (14-2)}{75} = 85 \text{ lbs.}$

Back tube $\frac{140 \times 10^2}{13^2} = 83 \text{ lbs.}$

Stay tubes $\frac{7000(4.43-2.4)}{12 \times 14 - 58.9} = 139 \text{ lbs.}$

% Shear to Front tube plate. $\frac{3.5 - 2.57}{3.5} \times 100 = 28.6$

69
48

11
5-6-5



© 2020

W. H. & Co.
1895

U.S. Register
Foundation

HPL 375-0092