Messrs Westgarth English & Co's No 29 Boilers
for Messrs Craig Taylor & Co's No. 18 Vessel.

Plate 7/8	$\frac{7.75 - 1.25}{7.75} \times 100 = 83.8$	Combined	$\frac{120 \times 9^2}{7.75^2} = 161.8$ lbs.
Rivet 7/8	$\frac{5 \times 1.227 \times 1.75 \times 85}{7.75 \times 1.25} = 94$	" Stays	$\frac{1.227 \times 8000}{7.75} = 163$ lbs:
Sheet	$\frac{260 \times 1.25 \times 83.87}{168} = 162.2$ lbs:	" " top row	$\frac{1.967 \times 8000}{9.875 \times 8.875} = 161$ lbs:
Ends at top	$\frac{140 \times 16^2}{14.5^2} = 170$ lbs:	Boiler Back	$\frac{120 \times 12^2}{16^2} = 142.8$ lbs:
Stays "	$\frac{3.976 \times 9000}{14.5^2} = 170$ lbs:	Furnaces	$\frac{1000(8.75 - 2)}{42} = 160.7$ lbs:
Stay Tubes	$\frac{2.45 \times 7500}{(1\frac{3}{4} \times 9.625) - 13} = 162$ lbs:		

Wm. R. Austin
6th June 1889.
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