

# Wick Shop

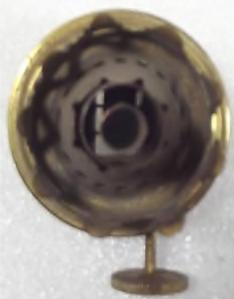
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## No. 1 P&A Victor Burner

<p>The No. 1 Plume &amp; Atwood Victor burner appears to be a pure Kosmos 6" burner for the fit of the chimney and the wick.</p>	 <p>Bottom view. See the gearing is touching the side draft tube.</p>	 <p>Top view</p>	 <p>Burner profile</p>
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### THE BURNER

<p>The burner was very raw and rough. The star wheel wick raising gearing touched the side draft tube and the "points" on the gears were very sharp and ragged. I inserted a 1/2" strip of 200 grit emery paper between the gears and the draft tube, then rotated the gears while pulling through the emery. The ragged points which could snag the cotton fibers of a wick were smoothed down. The gears were rough and hard to move so the pivot points were lubed through the gallery with a needle oiler. The gearing then worked smoothly.</p>	 <p>Notice the brass stripes on the emery paper.</p>	
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### THE WICK

<p>The original P&amp;A Victor wick was 1 3/8" wide and 0.075" thick. New Kosmos 6" wicks are 1 3/8" wide and 0.077" thick - virtually the same. I added a box tape extension to the wick and pulled it through the gearing easily (see above, center).</p> 	
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## CHIMNEY FITTING

The chimney fingers were bent in excessively. The brass used by P&A was thick and stiff, but gentle bending moved the chimney fingers out to their appropriate width to accept a 6" Kosmos chimney.



Measuring width



The gallery measured 1.378". There was easily enough room for a 6" chimney.



A new 6" Kosmos chimney measured 1.361" slip-fit.

## CHIMNEY INSTALLED

A 6" Kosmos chimney fits perfectly into the seat, fitting snugly and square on the seat at the base of the gallery.

Far right, the P&A Victor burning brightly with a new 6" wick and 6" Kosmos chimney.

This was the first burn, the wick was ragged on top so there are the expected flame spikes. Once the wick is burned flat on top it should burn very well. The burner is well designed and burned without flickering.

