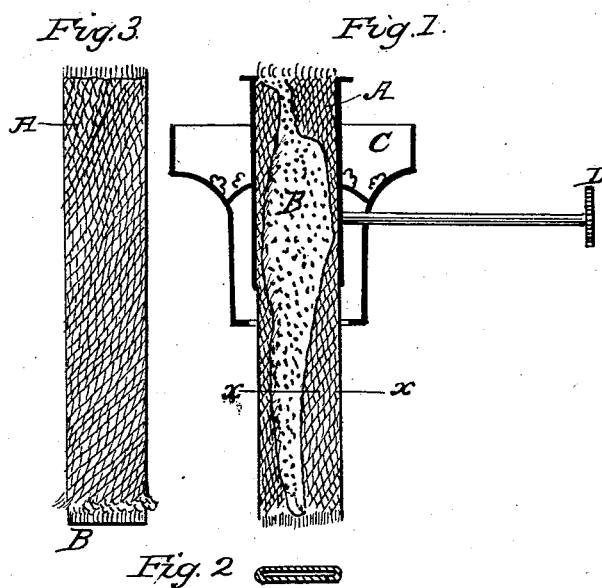


No. 110,188.

P. BAKER.
Lamp Wick.

Patented Dec. 20, 1870.



Witnesses
J. Munday
H. Bruns

Inventor;
P. Baker
by Lewis L. Coburn
att'y.

United States Patent Office.

PHILANDER BAKER, OF CHICAGO, ILLINOIS.

Letters Patent No. 110,188, dated December 20, 1870.

IMPROVEMENT IN LAMP-WICKS.

The Schedule referred to in these Letters Patent and making part of the same.

I, PHILANDER BAKER, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in "Lamp-Wicks," of which the following is a specification.

My invention relates to the flat hollow wicking ordinarily used in kerosene burning and other lamps. It has for its object to fill the hollow part of the wick with a thin strip of metal, perhaps brass or copper, which is first placed in the wick, and then by a proper mechanical contrivance, punched full of numerous minute holes, whose ragged edges take firm hold of the wicking and prevent its withdrawal.

This device gives strength and firmness to the wick, enabling the ratchet-wheel of any ordinary burner to move it squarely up and down the wick-tube.

The end of the metal strip, projecting with the wick at the top of the wick-tube, offers a larger surface for the oil or illuminating fluid, and, becoming heated, assists in more rapidly consuming the carbon, whereby a better light is produced with the same lamp and illuminating fluid at a very trifling expense.

Description of the Accompanying Drawing.

Figure 1 is a view of the wick in operation, with a portion of the pervious covering cut away to display the metallic core.

Figure 2 is a transverse section on the line *x x*.

Figure 3 is a view of the wick surrounding the core.

General Description.

In the drawing—

A represents the cotton-wicking.

B, the thin strip of metal, punctured with numerous holes.

C may represent any ordinary burner with its milled thumb-wheel D.

In manufacturing my invention it will be necessary to first insert the metallic core in the hollow wick, then puncture it through the loose fibers of the wicking; the ragged edges of the punctures will then prevent its being removed.

In ordinary wicking the ratchet-wheel is apt to wear through the cotton fibers, when it will be found impossible to move the wick up or down.

My invention removes this difficulty by furnishing a firm hold to the cogs of the ratchet-wheel.

Claim.

I claim as my invention—

The lamp-wick, composed of the metallic core B, and pervious covering, when constructed so as to operate substantially as shown and described.

Witnesses:

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