

M. B. WHARTON,
Lamp-Burner.

No. 211,484.

Patented Jan. 21, 1879.

Fig. 1.

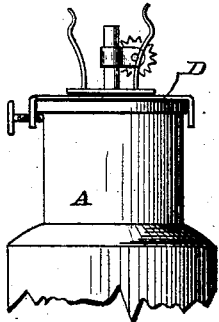


Fig. 2.

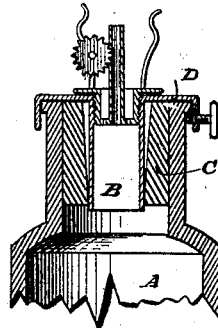


Fig. 3.

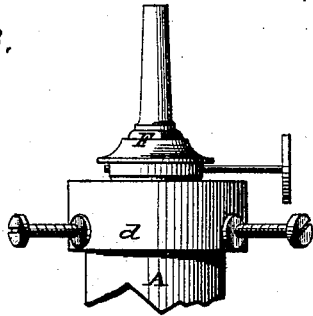
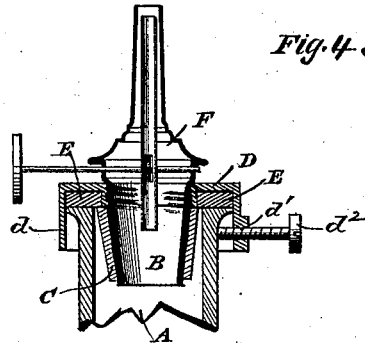


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

MORTON B. WHARTON, OF FORSYTH, GEORGIA.

IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. 211,484, dated January 21, 1879; application filed July 3, 1878.

To all whom it may concern:

Be it known that I, MORTON B. WHARTON, of Forsyth, in the county of Monroe and State of Georgia, have invented certain new and useful Improvements in Lamp-Burners; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to the method of securing burners to lamps.

Heretofore the manner generally adopted for attaching burners to lamps has been by means of a threaded collar attached to the lamp. In lamps having metallic founts the main objection to such a construction is the cost of manufacture; but in those having glass founts a greater objection exists—viz., the necessity of securing the collar to the lamp by plaster-of-paris or other cement, and the constant annoyance and danger arising from the loosening of the collar.

To overcome these objections I form a clamp upon a burner, with or without a tapering tube, said clamp being either rigid or a spring clamp, as preferred, and a recess, ring, or lugs upon the lamp, with which the clamp may engage, interposing a gasket or packing-ring between the burner and neck of the lamp.

Figure 1 is a front view, and Fig. 2 is a central vertical section, of my burner, showing a cylindrical tube incased in an elastic packing, and provided with a base-plate, which rests upon the top of a bottle. Fig. 3 is a front elevation, and Fig. 4 is a central vertical section, of another form of my improved lamp-burner applied to the neck of a bottle.

Corresponding parts in the several figures are denoted by similar letters of reference.

In the annexed drawing, A marks a common bottle or jar, partly broken away, in the mouth of which is inserted a hollow tapering metallic tube, B. C is a cork or other suitable packing, which surrounds or incases the tube B. Secured to the upper end of the tube B is a threaded base-plate, D, having a down-

wardly-projecting flange, *d*, provided with threaded eyes *d*¹ for the insertion therein of adjusting-screws *d*². Disposed beneath the plate D is a cork or other suitable packing-ring, E, which rests upon the mouth or top of the bottle A. A suitable burner, F, having a wick-tube and serrated wheel for adjusting the wick, is secured to the base-plate D.

When the tube B is inserted into the mouth of a bottle, the packing C, pressing against the neck of the bottle, makes it (the bottle) sufficiently air-tight to be used as a lamp. If the mouth of the bottle is larger than the tapering tube the flanged base-plate fits down over the former, the packing-ring E resting upon the top of the bottle to insure a snug fit, when the hood can be secured to the said bottle by means of the adjusting-screws *d*².

Instead of making the tube tapering I can make it cylindrical, and the cork or other packing tapering, as shown in Fig. 4.

The advantages of my invention are the simplicity and effectiveness of the devices, the dispensing with the collar and avoiding the necessity of threading the base of the burner, the non-liability of the parts to become detached, the dispensing with plaster-of-paris and cements, and the capability of using the fastenings with either open or closed top lamps.

I am aware that the body of a lamp in the form of a frustum of a cone, having an inverted frustum of a cone at the top, and a lining or packing similar in form, in combination with a tapering tube, is not new.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the tapering tube B, provided with the threaded base-plate D, and flange *d*, having a clamping device, and elastic ring E, substantially as and for the purpose specified.

2. The combination of the hollow tapering tube B, elastic packing C, threaded base-plate D, with flange *d*, eyes or openings *d*¹, provided with adjusting-screws *d*², and elastic ring E, substantially as and for the purpose set forth.

3. A burner for lamps provided with a

clamp at its base adapted to engage with a rib or recess on the lamp and to be readily detached therefrom.

4. A burner for lamps provided with a clamp at its base and an imperforate disk and a packing-ring, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I hereunto affix my signature in the presence of two witnesses.

MORTON B. WHARTON.

Witnesses:

E. DUMAS,

CYRUS H. SHARP.