L. HOVER.

Case for a Ratchet Wheel for Lamps.

No. 39,574. Patented Aug. 18, 1863.

Fig. 1.

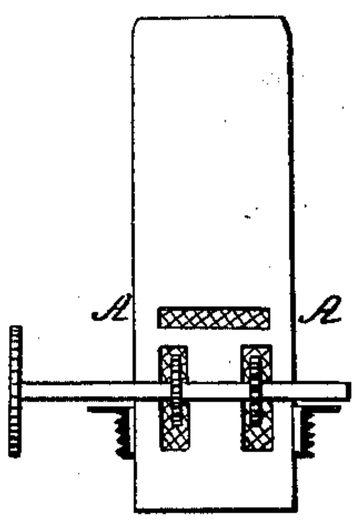


Fig. 2.

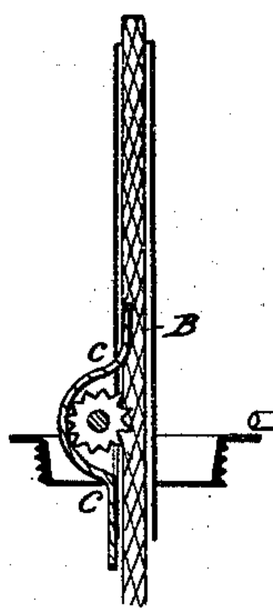


Fig. 3.

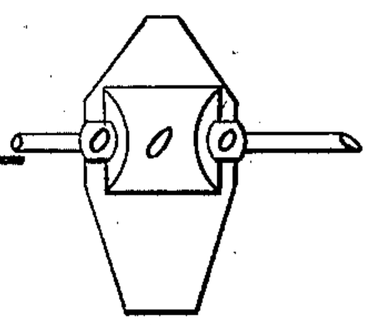
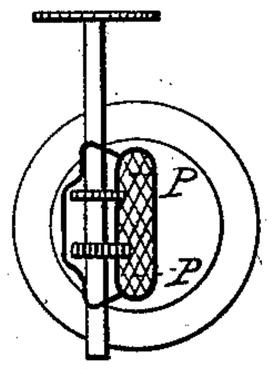


Fig. 4.



Witnesses:

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LEWIS HOVER, OF CHICAGO, ILLINOIS.

IMPROVED CASE FOR A RATCHET-WHEEL FOR LAMPS.

Specification forming part of Letters Patent No. **39,574**, dated August 18, 1863.

To all whom it may concern:

Be it known that I, LEWIS HOVER, of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Lamps; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side elevation of the wick tube and elevator without the inclosing-cap of the latter. Fig. 2 is a vertical transverse section of the wick-tube, elevator, and cap complete. Fig. 3 is a front view of the cap. Fig. 4 is a horizontal section at *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in the several views.

My invention consists in an improved manner of applying a cap to cover and protect the wick-elevator, as hereinafter described.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe its construction and operation.

A A represent an opening in the wick-tube, in which the upper end of the cap shown at Fig. 3 is inserted. The end of the cap so inserted may be made to act as a spring or wick-sustainer, as shown at B in Fig. 2, the lower end being rigidly secured to the screw.

c c represent the cap as thus attached to the lamp. If it be desired, however, the upper end of the cap may be inserted through the opening A A, and secured on the inside of the wick-tube in such manner as to offer no obstruction to the free passage of the wick either in its ascent or descent.

Suitable orifices, *o o o*, are made in the burner for the reception of the ratchet-wheels.

To fasten the cap in position—the ratchet-wheels being inserted in their orifices, as shown at P P, Fig. 4—its upper end is first inserted in the aperture A A, Fig. 1, and the lower end attached to the screw of the lamp by screws, rivets, or otherwise.

The cap, Fig. 3, is formed of a piece of metal, stamped or pressed into the required form, and, being fastened in the manner shown in Fig. 2, it is rendered perfectly reliable. In no case can it melt or become detached, as would be the case were it soldered on, and by the cap entirely covering all openings it prevents the wick and oil from becoming ignited around the ratchet-wheel openings, and also thoroughly excludes all dust and dirt.

The wick-tube or burner may be of common construction, with the exception of the opening A A, which constitutes an essential part of this improvement.

I do not claim, broadly, inclosing the ratchet-wheels, as that has been done before; but,

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

1. The described manner of securing the cap on the wick-tube or burner by inserting one or both ends of said cap in perforations made in the burner for that purpose.

2. One or more perforations made in the burner for the insertion of the ends of the cap, and thus constituting a fastening for said cap, as explained.

3. The cap herein described, when one or both ends are made to act as a spring or wick-sustainer, as explained.

LEWIS HOVER.

Witnesses:

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