

L. H. OLMSTED.
Lamp.

No. 197,165.

Patented Nov. 13, 1877.

Fig. 1.

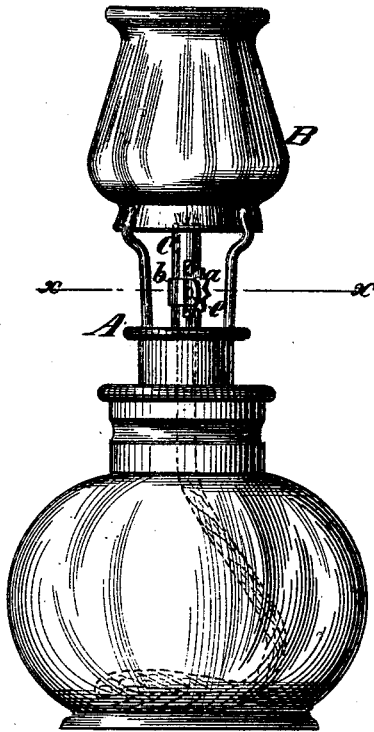


Fig. 2.

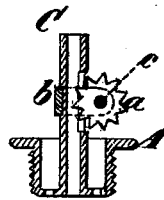


Fig. 4.

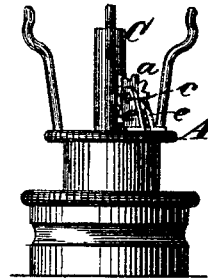
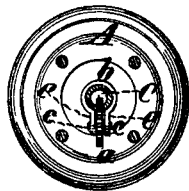


Fig. 3.



Witnesses
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LEVERETT H. OLMSTED, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **197,165**, dated November 13, 1877; application filed June 22, 1877.

To all whom it may concern:

Be it known that I, LEVERETT H. OLMSTED, of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Lamps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention is more especially designed for that class of lamps used for the most part as night-lamps, in which the chimney is elevated so that its lower edge is at, or nearly at, a level with the top of the wick-tube, and in which the vertical space between the cap and the bottom of the chimney is open at the sides.

The invention consists in a novel and effective, and yet very simple and cheap, mode of applying a toothed wick-adjusting wheel, which is especially well adapted to such lamps.

Figure 1 in the drawing is an elevation of a lamp with my improvement. Fig. 2 is a central vertical section of the burner. Fig. 3 is a horizontal vertical section of the burner in the line *xx* of Fig. 1. Fig. 4 is an elevation of a lamp collar and burner, illustrating a modification of the invention.

a is the wick-adjusting wheel, which is a toothed wheel of the kind commonly used for the purpose in lamps, and enters the wick-tube through a slot provided in the latter for its passage, its axle or pivot *c* being supported in lugs *ee* outside of the wick-tube *C*. These lugs are so near together that the wheel just works easily between them, and only a very short axle or pivot, *c*, is required, the usual button on the end of the axle being dispensed with by providing for the application of the thumb or finger directly to the edge of the wheel itself for the purpose of turning it to raise and lower the wick. This provision for so applying the thumb and finger is afforded by leaving the wheel uncovered and exposed within the opening left between the burner-cap *A* and the lower edge of the chimney *B*, as shown in Fig. 1.

The lugs *ee* may be attached to the wick-

tube *C*, as shown in Figs. 1, 2, and 3, or to the cap *A*, as shown in Fig. 4; but I prefer to make the said lugs, as shown in Figs. 1, 2, and 3, on a metal band, *b*, which encircles and clasps the wick-tube. A groove may be provided around the exterior of the wick-tube, as shown in Fig. 2, for the reception of the said band and its better retention in place, and the said band may also be soldered to the tube.

The wheel *a* might be fast on its axle or pivot *c*, and turn freely in bearings in the lugs *ee*; but as simplicity and cheapness of construction are important objects of this invention, I prefer to make the wheel loose on the axle or pivot, which consists of a short piece of wire inserted through holes in the lugs *ee*, and through the eye of the wheel, and riveted at its ends outside of the lugs.

I claim—

1. In a lamp of that class having a chimney-holder constructed to support the chimney, with its lower edge elevated above the cap *at*, or nearly at, a level with the top of the wick-tube, a wick-adjusting wheel applied within the opening between the chimney and the cap, and constructed for direct application to it of the thumb or finger, whereby the usual button for turning said wheel is dispensed with, substantially as herein described.

2. In a lamp in which the wick-tube is exposed between the cap and the bottom of the chimney-holder, the wick-adjusting wheel turning loosely on its axle or pivot, and adapted to be turned by direct application to it of the thumb or finger, substantially as herein described.

3. A wick-tube provided with a wick-raising attachment connected directly thereto at or near the top thereof, and outside of and above the lamp-cap, and directly independent thereof, or any attachment of the same.

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Witnesses:

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