C. W. CAHOON.

Lamp Chimney Holder.

No. 33,824. Patented Dec. 3, 1861.

Fig. 1.

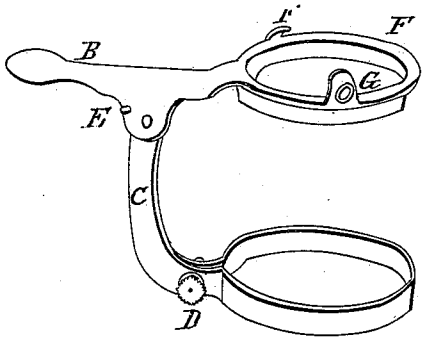


Fig. 2.

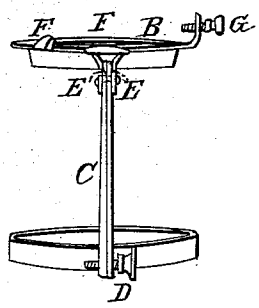
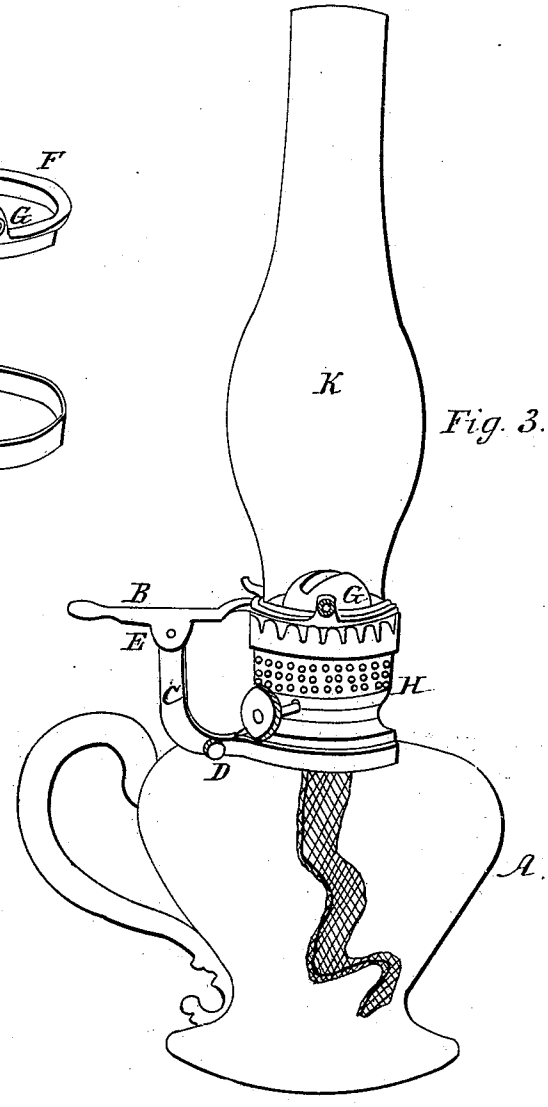


Fig. 3.



Witnesses.

E. H. Ilsley

James B. Cahoon

Inventor.

Charles W. Cahoon.

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

CHARLES W. CAHOON, OF PORTLAND, MAINE.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **33,824**, dated December 3, 1861.

To all whom it may concern:

Be it known that I, CHARLES W. CAHOON, of Portland, in the county of Cumberland, in the State of Maine, have invented a new and useful Improvement in Lamps; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 represents a side view of my improvement. Fig. 2 is a back view of the same. Fig. 3 is a side view of a lamp with the improvement attached.

Similar letters of reference indicate corresponding parts in the three figures.

This invention consists in the novel means employed for attaching to lamps already manufactured and now in use the lever with chimney-fastenings, described in Letters Patent granted to me February 19, 1861; also a stop to prevent the chimney from going too far back. The object is attained by using an adjustable fulcrum in combination with the lever and chimney-fastenings, the adjustable fulcrum having in the back of it indentations constructed and arranged as will be hereinafter fully described.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a common kerosene hand-lamp.

B is a lever.

C is an adjustable fulcrum, constructed of sheet metal, the base of which is made in the form of a part of a circle to fit the collar of the lamp, from which base extend two arms, which are brought nearly together, and are curved so as to reach up and hold the lever B. Near that part of the fulcrum which goes over the collar of the lamp is a screw D, having a head with a shoulder. In that arm of the fulcrum nearest the head of the screw the hole which receives the screw is made larger than the shaft of the screw and has a smooth bore; but the hole in the other arm of the fulcrum is of the proper size to suit the screw and has a thread for it to play in, so that when the screw is turned inward it will draw the arms together, and thus tighten the fulcrum upon the collar of the lamp, keeping it firmly in place, and when turned outward it will loosen it, allowing of its being taken off and placed upon another lamp in case of breakage of the lamp to which it is attached.

E E represent two indentations in the back side of the fulcrum under the lever, and are for the purpose of preventing the chimney from going too far back, which would be an especial liability in lamps without handles.

F F represent two lips, and G is a screw, which are for the purpose of fastening the chimney to the lever.

H is the burner, which is screwed into the lamp in the usual manner.

K is the chimney.

By this improvement a lever with chimney-fastenings is made readily adjustable to lamps already manufactured and now in use, can be adjusted to different lamps, and in case of breakage of the lamp upon which it is placed it can be taken off and attached to another lamp without injuring any of its parts. The indentations in the adjustable fulcrum allow of the distance to which the chimney shall go back, to be regulated without regard to the lamp. If the chimney should go too far back, it might be broken by coming in contact with the stand or table on which the lamp might be placed.

Having thus described a lamp embodying my improvements I deem it proper to state that while I prefer a screw for the purpose of tightening the adjustable fulcrum upon the lamp, yet it is evident that a clasp or movable ring may be used for the purpose, and that while I prefer to attach the adjustable fulcrum to the collar of a lamp, yet where the lamp is constructed to admit of it the adjustable fulcrum may be attached to the burner.

I claim—

1. In combination with a lever and chimney-fastenings, an adjustable fulcrum, substantially as described.

2. In combination with a lever and chimney-fastenings, the indentations F F, for the purpose of preventing the chimney from going too far back, substantially as described.

CHARLES W. CAHOON.

Witnesses:

E. H. ILSLEY,

JAMES B. CAHOON.