E. S. DRAKE.
Lamp.

No. 204,306. Patented May 28, 1878.

Fig. 1.

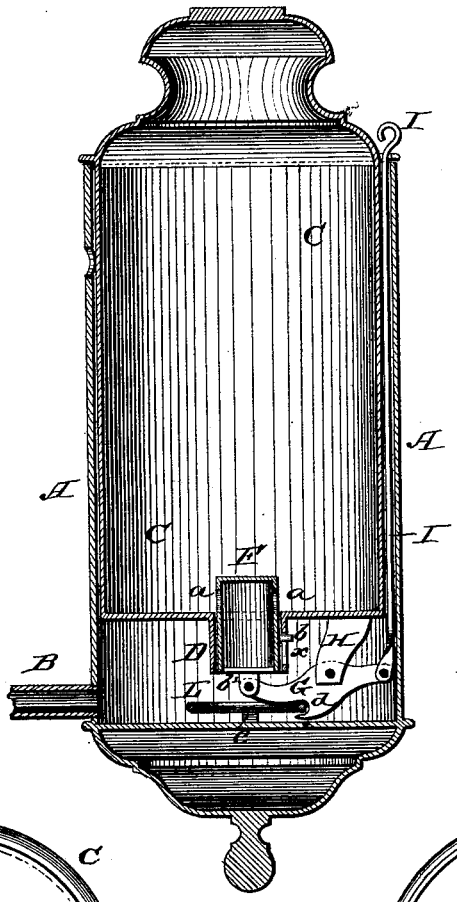


Fig. 2.

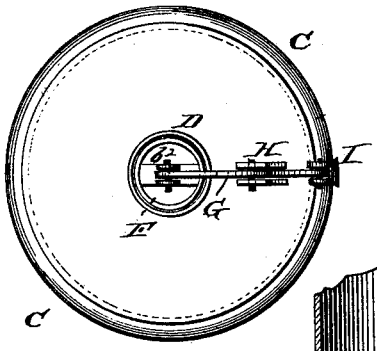


Fig. 3.

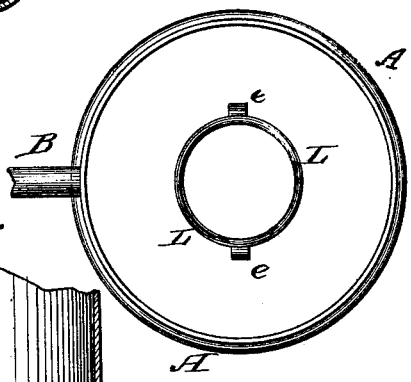
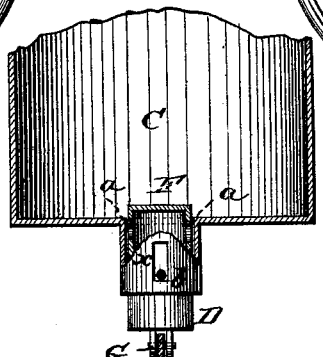


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

EDWIN S. DRAKE, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **204,306**, dated May 28, 1878; application filed April 30, 1878.

To all whom it may concern:

Be it known that I, EDWIN S. DRAKE, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Lamps; 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 drawing, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to the class of lamps in which the reservoir is located away from the burner; and it consists in a hooked lever for operating the valve and for locking the reservoir, said lever being operated by a rod, and in the construction of parts, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a vertical section of the reservoir and exterior cup, showing my invention applied thereto. Fig. 2 is a bottom view of the reservoir. Fig. 3 is a plan view of the outside cup. Fig. 4 is a part side view and part section of the lower part of the reservoir.

A represents the outside cup or shell, provided at or near the bottom with a pipe, B, for conveying the oil to the burner.

C represents the reservoir, provided in the center of its bottom with a downwardly-projecting tube or collar, D, through which is passed the cylindrical valve F. This valve is open at the bottom, closed at the top, and provided with side openings *a a*. A pin, *b*, projects through a slot, *x*, in the collar D, to guide the valve in its up-and-down movement.

At the bottom the valve F is provided with a cross-bar, *b'*, from which project two ears, and between these is pivoted the inner end of a lever, G. This lever is hung on a pivot in an arm, H, projecting from the under side of the reservoir, and from the outer end of the said lever extends a flat bar, I, up between the cup and reservoir, as shown.

In the lower edge of the lever G is formed a hook, *d*, at a point a short distance inward from the point of connection of the lever with the arm H.

Above the bottom of the cup A is a ring, L, connected to the bottom by two or more arms, *e*, or in any other suitable manner. When the reservoir is filled, by pulling the rod I the valve F is closed, when the reservoir is inverted and placed in the cup A down to its place. By now pushing down the rod I, the valve F is opened to allow the oil to pass out of the reservoir, and at the same time the hook *d* passes under the ring L, and thereby locks the reservoir in place.

To remove the reservoir, the rod I must be pulled upward to release the hook *d* from the ring L, and this movement of the lever G closes the valve F.

At no time is it necessary to move either the reservoir or case for locking or unlocking, or for opening or closing, the valve. By passing the rod I on the outside of the reservoir all necessity of perforating the same is avoided.

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

1. A vertical rod arranged on the outside of the reservoir, in combination with a valve at or near the bottom of the reservoir, whereby the valve may be opened and closed without moving the reservoir or case, as herein set forth.

2. A vertical rod arranged on the outside of the reservoir, in combination with a locking device, whereby the reservoir may be locked and unlocked without moving the reservoir or case, as herein set forth.

3. The combination of a vertical rod arranged on the outside of the reservoir, a valve at or near the bottom of the reservoir, and a locking device, whereby, at one operation, the valve may be opened and reservoir locked, or the valve closed and reservoir unlocked, without moving the reservoir or case, as herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EDWIN S. DRAKE.

Witnesses:

C. H. WATSON,

WM. B. UPPERMAN.