E. S. DRAKE.
Lamp.

No. 204,304. Patented May 28, 1878.

Fig. 1.

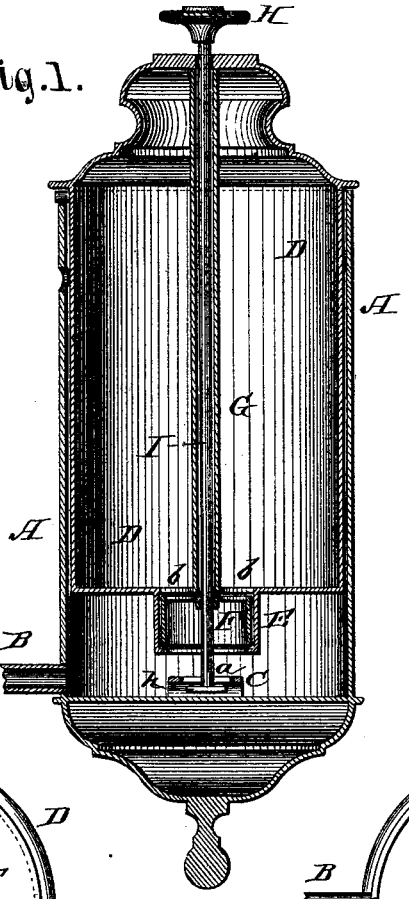


Fig. 2.

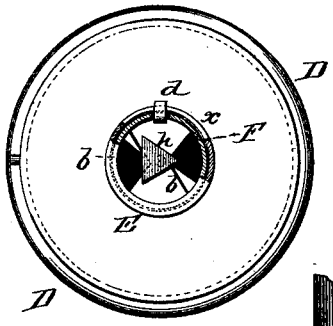


Fig. 3.

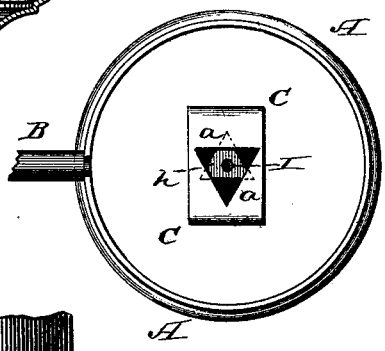
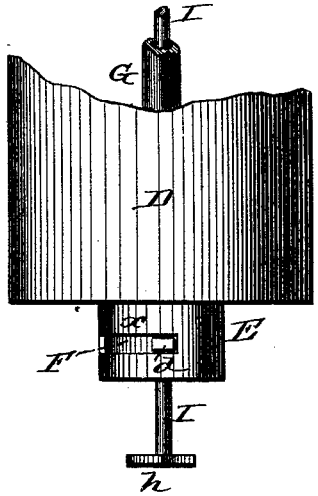


Fig. 4.



Witnesses:
P. C. Dieterich.
Frank H. Duffy.

Inventor:
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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. **204,304**, 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 that class of lamps which have the reservoir located away from the burner; and it consists in the construction and arrangement of devices for opening and closing the valve in the bottom of the reservoir, and for locking the reservoir to the cup, all as hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a vertical section of the cup and reservoir with my improvements applied thereto. Fig. 2 is a bottom view of the reservoir. Fig. 3 is a plan view of the cup. Fig. 4 is a side view of the lower portion of the reservoir.

A represents the cup or outside shell provided with a pipe, B, for conveying the oil to the burner. In the center of the bottom of the cup A is an elevated plate, C, with a central triangular opening, *a*.

D is the reservoir, provided with a central downwardly-projecting collar, E, in which is placed a cylindrical valve, F, for opening and closing openings *b* made in the bottom of the reservoir. From the side of the valve F projects a lug, *d*, through a slot, *x*, in the collar E, said slot being so arranged as to tighten the valve when closing the same, and loosening it when opening.

The valve F is provided with a central rod, I, which extends upward through a central tube, G, and through the top of the reservoir, said rod having a knob, H, on its upper end. The rod I projects a suitable distance below the valve, and has on its lower end a triangular foot, *h*, as shown.

After the reservoir is filled and the valve closed the reservoir is inserted in the cup to its seat, and the foot *h* enters the slot *a* in the elevated plate C. By now turning the knob H the foot *h* is turned, so as to lock the reservoir to the cup, and at the same time open the valve, to allow the oil to pass out.

The reservoir cannot be lifted out until the foot *h* is turned back again to its former position, and this movement closes the valve.

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

1. The outer shell A and reservoir D, provided with downwardly-projecting collar E, in combination with the valve F and rod I, substantially as and for the purpose set forth.

2. A rod passing through the inside of the reservoir, in combination with a locking device, whereby the reservoir may be locked and unlocked without moving the reservoir, as herein set forth.

3. The combination of a rod passing through the inside of the reservoir, a valve at or near the bottom of the reservoir, and a locking device, whereby the valve is opened and the reservoir locked at one operation without moving the reservoir, as 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.