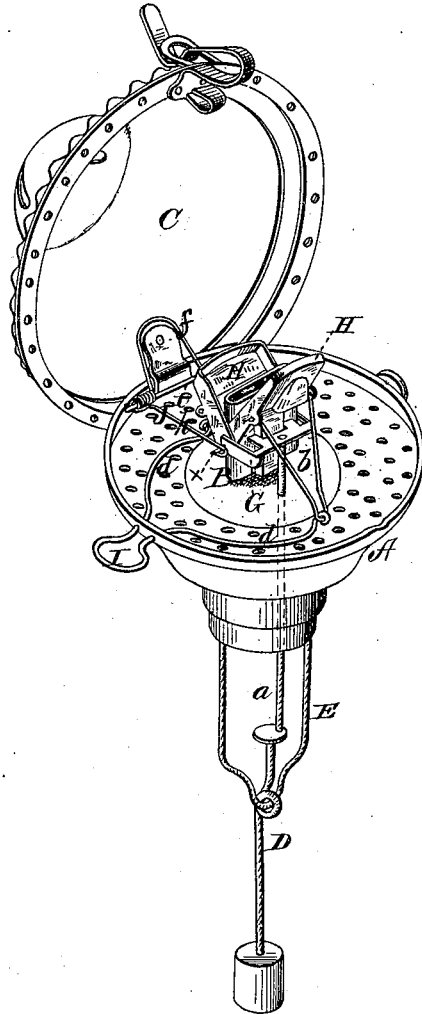


W. S. ASBURY.  
Lamp-Extinguisher.

No. 199,249.

Patented Jan. 15, 1878.



WITNESSES  
*Francis L. Curaud*  
*Frankfall*

INVENTOR  
*Wm. S. Asbury*  
*Charles Mason*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

WILLIAM S. ASBURY, OF OLNEY, ASSIGNOR OF ONE-HALF HIS RIGHT TO  
HALBERT J. STRAWN, OF ALBION, ILLINOIS.

## IMPROVEMENT IN LAMP-EXTINGUISHERS.

Specification forming part of Letters Patent No. **199,249**, dated January 15, 1878; application filed  
September 27, 1877.

*To all whom it may concern:*

Be it known that I, WM. S. ASBURY, of Olney, in the county of Richland, and in the State of Illinois, have invented certain new and useful Improvements in Lamp-Extinguishers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a lamp-extinguisher, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a perspective view of a lamp-burner embodying my invention.

A represents the base of a lamp-burner, B the wick-tube, and C the hinged cap, all constructed in any of the known and usual ways. To the lower end of the burner-base A is attached a stirrup, E, projecting downward into the lamp, and on said stirrup is hung a pendulum, D, which consists simply of a rod or wire coiled once around the stirrup, and provided at one end with a weight, and at the other end with a weight or button, substantially as shown.

Through the body of the burner is passed a rod, *a*, the upper end of which is fastened rigidly to a head-piece or frame, G, placed on one side of the wick-tube, at the upper end, and movable up and down. This head-piece is provided with pins *x x*, to which the caps H H are hinged. The caps H H are, by links or bails *b b*, connected with the arms *d d* of a thumb-lever, I, projecting from the side of the burner.

J is a wire spring, made of a single piece of wire, bent in the center to form a loop, *f*, which

bears against the inside of the cap. The two ends of the wire are then coiled around a rod, *i*, and the extreme ends form levers *h*, which rest upon the hinge-pins *x* of the caps.

By holding the burner level and placing the thumb on the lever I with a downward pressure, the cap-supporting rod *a* is raised above the pendulum-head. The pendulum D then finds its perpendicular, which brings the head or rest directly under the point of the rod *a*. A reverse motion of the thumb-lever I allows the rod to settle on the said head of the pendulum, and this last movement of the lever at the same time throws the caps open, ready for lighting the lamp.

Any violent motion, or the lamp held in a position greatly out of perpendicular, will cause the pendulum to vibrate, thus throwing the rest from under the rod, and thereby discharges the spring J, which forces the caps downward; and being resisted by the opposing arms *d d* of the thumb-lever, the caps H H are thereby forced together, extinguishing the light.

By a downward pressure of the thumb-lever the light can be extinguished without discharging the accident-spring.

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

The combination of the hinged caps H H, head-piece G, with rod *a*, pendulum D, thumb-lever I, with arms *d d*, bails *b b*, and spring J, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of July, 1877.

WM. S. ASBURY.

Witnesses:

D. J. IRWIN,  
C. W. CULLEN.