

W. W. WHITE.
LAMP-EXTINGUISHER.

No. 180,687.

Patented Aug. 1, 1876.

Fig. 1.

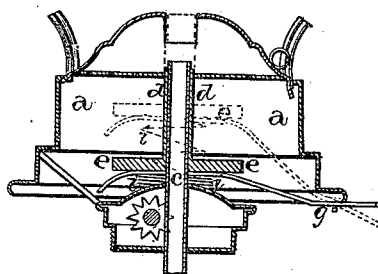
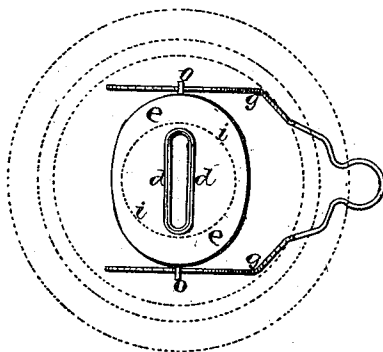


Fig. 2



WITNESSES.

Wm. Garner,
F. M. Burnham.

INVENTOR.

W. W. White
per
F. A. Lehmann, Atty.

UNITED STATES PATENT OFFICE.

WALLACE W. WHITE, OF AU SABLE FORKS, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO HENRY D. GRAVES, OF SAME PLACE.

IMPROVEMENT IN LAMP-EXTINGUISHERS.

Specification forming part of Letters Patent No. **180,687**, dated August 1, 1876; application filed March 8, 1876.

To all whom it may concern:

Be it known that I, WALLACE W. WHITE, of Au Sable Forks, in the county of Essex and State of New York, have invented certain new and useful Improvements in Lamp-Extinguishers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in lamp-extinguishers; and it consists in the arrangement and combination of devices, that will be more fully described hereinafter, whereby the flame will be surely extinguished should the lamp accidentally upset.

The accompanying drawings represent my invention.

a represents an ordinary lamp-burner, upon the wick-tube *c* of which is placed the sliding tube *d*, that moves outward beyond the end of the tube *c*, when the lamp is upset, and smothers the flame. Secured to the lower end of the sliding tube *d* is a suitable weight, *e*, which causes the tube *d* to move, and under this weight is placed a suitable spring, *i*, the weight being just sufficiently heavy to overcome the power of the spring when it is brought to bear upon it. The force of this spring is great enough, however, to not only start the weight to moving, but to keep it moving as soon as the lamp is turned over to a nearly horizontal position. By means of this spring not only is absolute certainty attained in the action of

the extinguisher, but the flame is extinguished before the lamp can be broken in being upset, and thus all danger of explosion is avoided. Where the spring is not used, the tube is not only apt to stick, but often does not move rapidly enough to extinguish the flame in time.

Upon each end of the weight is formed a small projection, *o*, under which catch the two ends of the pronged lever *g*, by means of which lever the flame can be instantly extinguished by hand.

I am aware that a sliding weight is not new in itself, and this I disclaim. My invention consists in combining with this weight a spring that will start the weight and its tube into motion as soon as the lamp is tipped in any direction.

Having thus described my invention, I claim—

1. The combination of the burner *a*, sliding tube *d*, weight *e*, and spring *i*, substantially as shown and described.

2. The combination of the burner *a*, tube *c*, sliding tube *d*, weight *e*, spring *i*, projections *o*, and lever *g*, whereby the flame can be extinguished by hand or by tipping over the lamp, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of February, 1876.

WALLACE W. WHITE.

Witnesses:

R. L. TRUMBULL,
T. D. TRUMBULL.