

E. WATERMAN.
Lamp-Extinguishers.

No. 151,943.

Patented June 9, 1874.

Fig. 1.

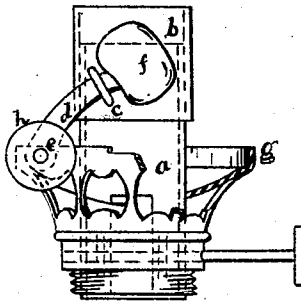
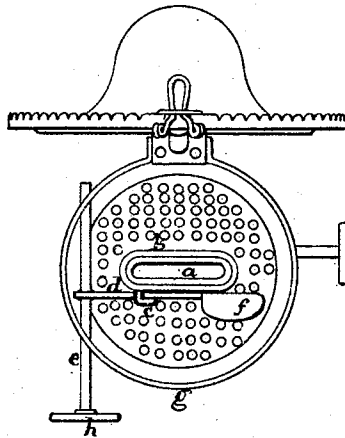


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

ELIAS WATERMAN, OF OREGON, WISCONSIN.

IMPROVEMENT IN LAMP-EXTINGUISHERS.

Specification forming part of Letters Patent No. **151,943**, dated June 9, 1874; application filed May 29, 1874.

To all whom it may concern:

Be it known that I, ELIAS WATERMAN, of Oregon, in the county of Dane and State of Wisconsin, have invented certain new and useful Improvements in Lamp-Extinguishers; 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 pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in extinguishers for lamps; and consists in providing a sleeve which fits around and moves freely upon the wick-tube, and is operated by means of a weighted cam-shaped arm or lever, which passes through a staple riveted to said sleeve, and connects with an actuating-rod journaled to the outer rim of the burner.

In the drawings, Figure 1 is a side elevation, and Fig. 2 a plan view, of my improved device.

a is the wick-tube, of ordinary construction. *b* is the sleeve, constructed to fit neatly around, and move freely on, the tube *a*, and so as to have its top flush with the top of said tube *a* when the lamp is burning. *c* is the staple, riveted to the side and near the lower end of the sleeve *b*. *d* is a cam or curved arm. It passes through the staple *c*. One end is firmly secured to the actuating-rod *e*. To the other

end is riveted or otherwise firmly secured the weight *f*. The rod *e* is journaled to the rim *g*, and is provided with the thumb-piece *h*.

To extinguish the blaze, the sleeve *b* is raised by means of the cam *d* and rod *e*. After the blaze is put out, and the rod *e* released, the sleeve will be carried back to its place around the tube by the action of the weight *f*.

It will be readily seen that to extinguish the blaze by turning the wick down into the tube—an act often attended with accident—is entirely obviated.

Should the lamp by accident be overturned, the weight *f*, by its gravity, acting on the cam *d*, will throw the sleeve *b* over the wick and extinguish the blaze before the lamp reaches the floor, and thus prevent the igniting of the oil should the lamp be broken.

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

The arm *d*, having its outer end secured to the rod *e*, and its inner end provided with the weight *f*, in combination with the sleeve *b* by means of the staple *c*, substantially as shown, and for the purpose specified.

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

ELIAS WATERMAN.

Witnesses:

ISAAC HOWE,
HAMILL E. WATERMAN.