

M. P. FLANDERS.
LAMP-EXTINGUISHER.

No. 185,225.

Patented Dec. 12, 1876.

Fig: 1.

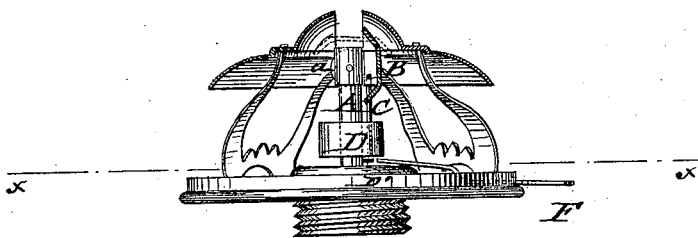
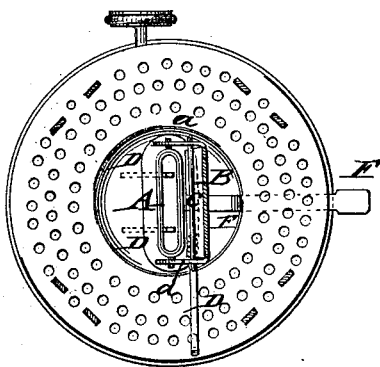


Fig: 2.



WITNESSES:

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IMPROVEMENT IN LAMP-EXTINGUISHERS.

Specification forming part of Letters Patent No. **185,225**, dated December 12, 1876; application filed November 4, 1876.

To all whom it may concern:

Be it known that I, MARTIN P. FLANDERS, of Au Sable Forks, in the county of Essex and State of New York, have invented a new and Improved Lamp-Extinguisher, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical transverse section of a lamp-burner with my improved extinguishing device, and Fig. 2 a top view of the same.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved device for automatically extinguishing a lamp when the same is accidentally tilted over; and it consists of a swinging cap, that is pivoted to the wick-tube and operated by a pivoted lever-connection, with a sliding and spring-acted weight encircling the wick-tube.

In the drawing, A represents the wick-tube, to the upper part of which a straight or concave cap, B, of suitable size, is pivoted, by means of downward-bent wings or lugs *a*.

A wire frame, C, is connected to the swinging cap B at one side of the vertical axis of the burner, the frame being loosely pivoted thereto, and extended downward from the wings to a sliding weight, D, that encircles the wick-tube.

The weight D is rigidly secured to the lower ends of frame C, and serves, on sliding upward on the wick-tube, to throw the cap over the wick, so as to extinguish the flame. A spring, D', bears with its free end on the un-

der side of weight D, and assists the upward sliding of the same when the lamp is tilted over, and the wick-tube placed in horizontal position.

The leverage exerted by the sliding weight and wire frame on the cap swings the same over the wick-tube, and extinguishes thereby the flame without being obstructed by sticky coal and oil particles, as is frequently the case with the common sliding extinguishing-tubes in use.

A fulcrum-lever, F, of the burner bears on the under side of the weight, and serves to raise the same and the cap, so as to extinguish the light at any moment, if desired. The same construction, but with two swinging cap-sections, may be used for Argand burners, in which case the simultaneous closing of the caps causes the extinction of the flame.

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

The combination of the pivoted cap or caps B, pivoted lever-frame C, and sliding and spring-acted weight D with the wick-tube A, all constructed and relatively arranged substantially as herein set forth, for the purpose specified.

MARTIN P. FLANDERS.

Witnesses:

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JEREMIAH CROWLEY.