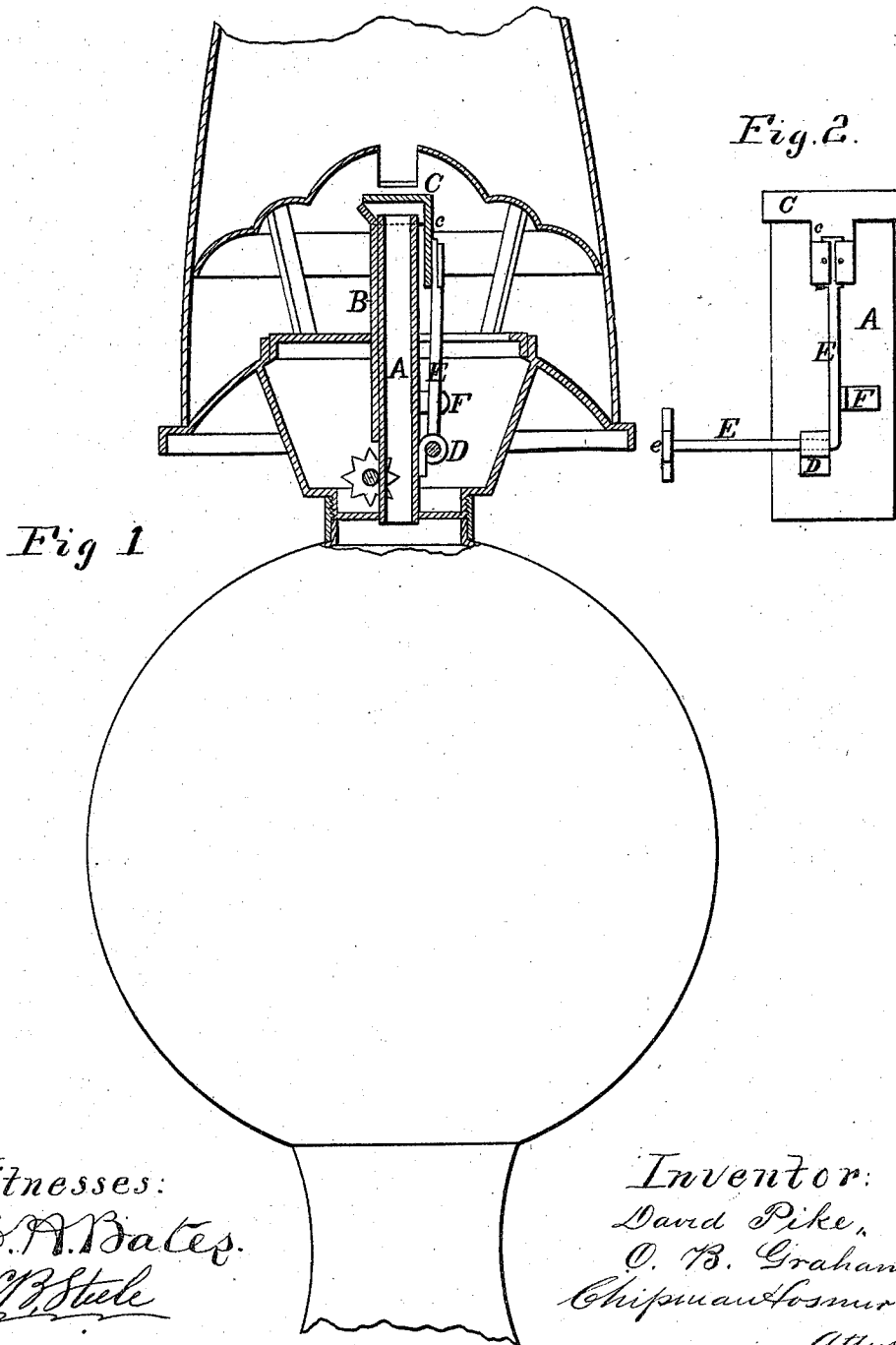


D. PIKE & O. B. GRAHAM.

Lamp-Extinguishers.

No. 142,508.

Patented September 2, 1873.



Witnesses:
E. A. Bates.
C. B. Steele

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UNITED STATES PATENT OFFICE.

DAVID PIKE AND OTIS B. GRAHAM, OF BRIDGEPORT, CONNECTICUT.

IMPROVEMENT IN LAMP-EXTINGUISHERS.

Specification forming part of Letters Patent No. 142,508, dated September 2, 1873; application filed February 8, 1873.

To all whom it may concern :

Be it known that we, DAVID PIKE and OTIS B. GRAHAM, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and valuable Improvement in Lamp-Extinguishers; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a sectional view of our lamp-extinguisher. Fig. 2 is an elevation of the same.

Our invention relates to certain improvements in lamp-extinguishers which may be readily applied to any of the well-known kerosene-lamp burners in common use; and it consists in the peculiar construction and arrangement of parts, whereby the extinguisher may be operated without regard to the height of the wick above the top of the wick-tube; and, also, in the arrangement of a device for holding the extinguisher in position either open or closed, as hereinafter particularly described.

In the drawing, A represents the wick-tube of an ordinary kerosene-lamp burner, on one side of which is secured a plate, B, which is of equal width with the tube, and extends upward a short distance above its top and inclines outward, so as not to interfere with the flame. C is a cap, which is cut from sheet metal and stamped in such form that, when in position against the upper end of the plate B, it covers the top of the wick-tube after the manner of a box-lid, at a height above the upper end slightly greater than the height of the wick when burning. This cap C is attached to the upper end of a rod, E, which is bent at a right angle, and journaled horizontally in an eye, D, attached to the tube A on the side opposite the plate B, extending outside of the casing, and provided with a crank

or wheel, e, for turning it. F is a stop, consisting of a plate bent at a right angle, and one of its sides attached to the tube, so that the other side will bear against the rod E just above the journal, acting as a spring to hold the extinguisher in position, either closed over the tube or thrown back out of the way. If desired, the cap and rod may be made in one piece, cut from sheet metal, and the stem and shaft rounded and finished by filing. I prefer, however, to make the shaft and stem of wire, with the upper end slightly flattened by hammering. I then cut the cap from sheet metal, with a tongue or strip, c, extending down from its rear portion, and having a lug formed on each side, which lugs are turned over and punched down on the flattened upper end of the rod E, and thereby securely fastened thereto. When made in this manner, the rod E may be first fitted in place and the cap C attached afterward; and in case of breakage the parts can be replaced with less trouble and at less expense than when made in one piece.

In using this extinguisher it is not necessary to turn down the wick, as the cap C extends a sufficient distance above the top of the tube to extinguish the flame without interfering with the wick.

What we claim as new, and desire to secure by Letters Patent, is—

1. The plate B, in combination with the cap C, substantially as shown and described.
2. The stop F, in combination with the rod E, arranged and operating substantially as shown and described.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

DAVID PIKE.
O. B. GRAHAM.

Witnesses:

GEORGE C. SCARRITT,
W. G. WILSON.