

(No Model.)

E. L. WINEY.

LAMP.

No. 353,905.

Patented Dec. 7, 1886.

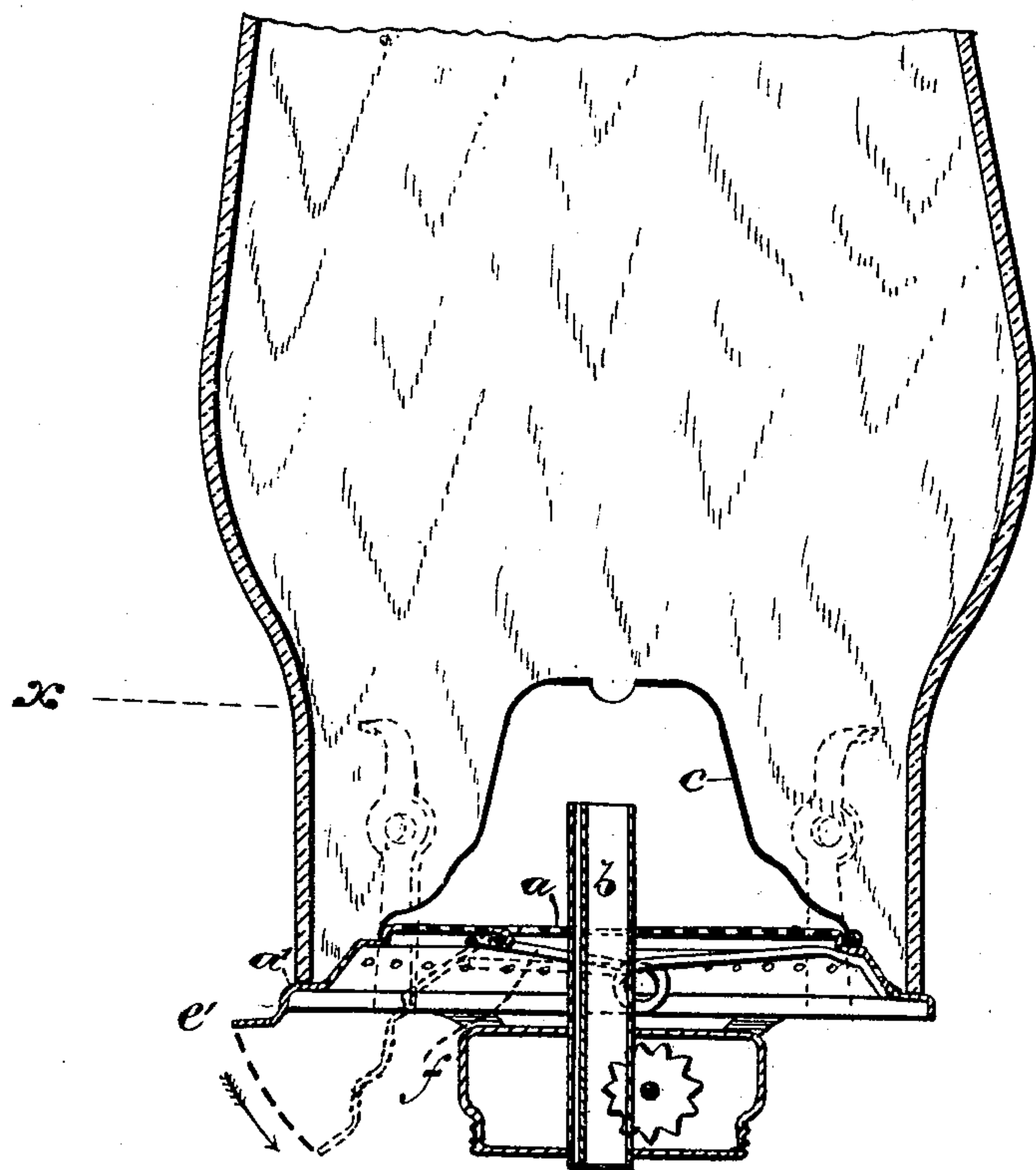


Fig. 1.

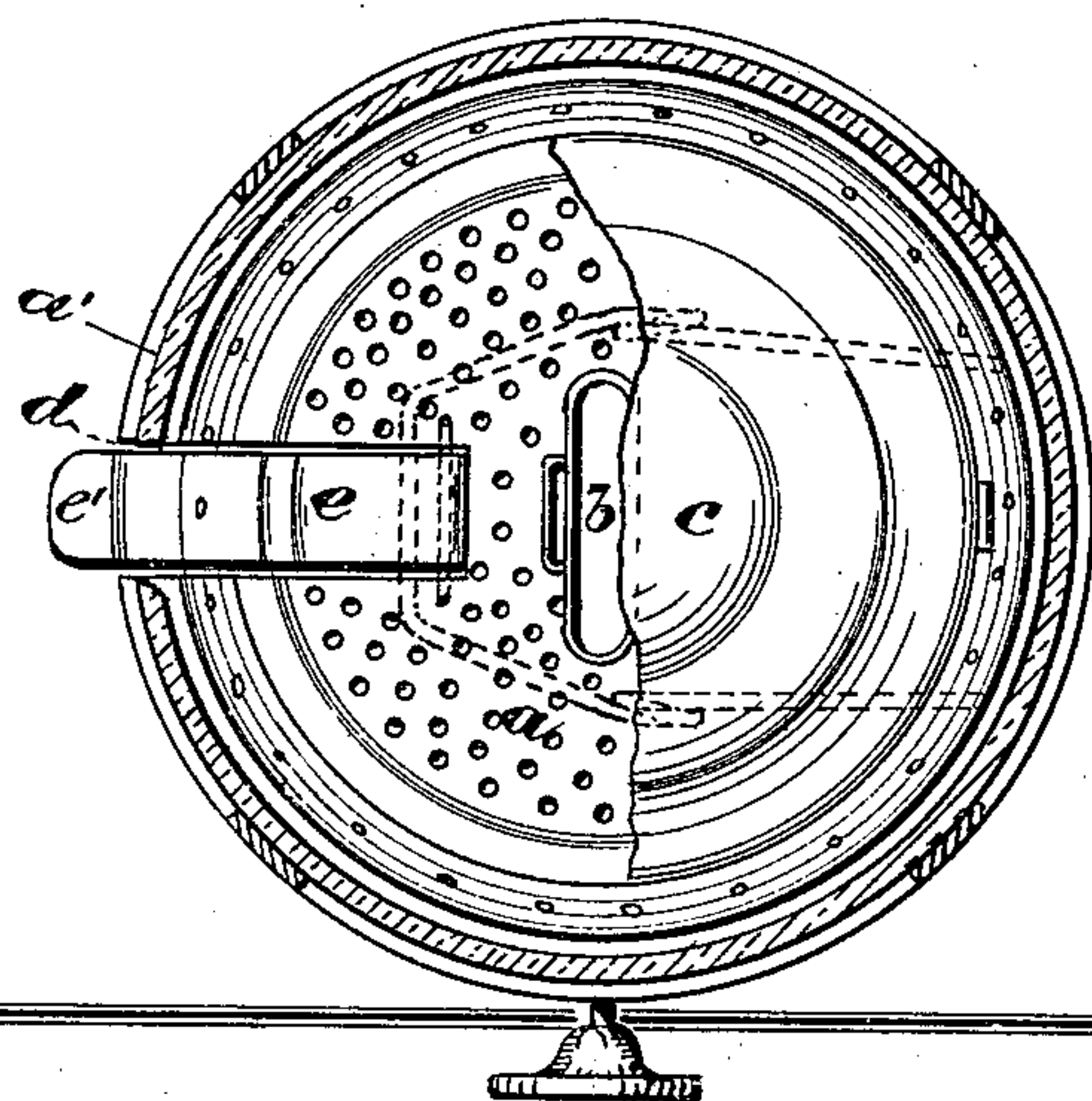


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

ELIJAH L. WINEY, OF EAST ORANGE, NEW JERSEY.

LAMP.

SPECIFICATION forming part of Letters Patent No. 353,905, dated December 7, 1886.

Application filed April 13, 1886. Serial No. 198,670. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH L. WINEY, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Lamps; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of burners for lamps constructed to allow the insertion of a match to the wick without removing the chimney, the object of the invention being to increase the convenience of the burner by securing a larger opening at a point in full view of the person lighting the lamp, through which he may insert the lighted match more quickly and with greater certainty that it will ignite the wick.

The invention consists in the arrangements and combinations of parts, substantially as will be hereinafter set forth, and finally embodied in the claim.

In the accompanying drawings, in which like letters indicate corresponding parts in each of the several figures, Figure 1 is a vertical section of a lamp burner and chimney; and Fig. 2 is a horizontal section of the same, taken through line *x*, the cap of the burner being broken away to show more clearly the arrangements and construction of certain parts.

In said drawings, *a* is a perforated plate providing a seat or bearing for the chimney and support for the wick-tube *b* and slotted cap *c*. The said plate *a* has therein an opening, *d*, of sufficient size to allow the insertion of a lighted match to the chamber beneath the said cap, said opening extending out to the peripheral edge of the plate *a* and through the said seat for the chimney, so that when opened it will be in clear view of the person igniting the wick. The finger-piece *e'* of the shutter projects beyond the periphery of the

perforated plate, so that in a downward look it is quite apparent, so that it is not necessary to feel for the same in lighting the lamp. Said opening is closed, to prevent a too copious inflow of air, by means of a shutter or door, *e*, adapted to close automatically. Said door is hinged or pivoted upon the plate *a*, or any other suitable fixture near the same, at a point near the wick-tube, and extends outward beyond the seat *a'* for the chimney, where it provides a finger-piece, *e'*, by means of which the shutter may be depressed by the hand to allow the match to be thrust through the opening over said shutter, so that the ascending flame will not be extinguished by the broad surface that would be presented thereto, or said surface blackened, or the depressing finger burned, and into close contiguity to the wick. The shutter is closed automatically by means of a suitable spring, *f*, fastened beneath the perforated plate and bearing upward against the shutter. Said spring is preferably of wire; but it may be of flat metal formed in any manner.

Having thus described the invention, what I claim as new is—

The improved burner herein described, consisting, essentially, of a slotted cap, a wick-tube, a perforated plate having a seat for the chimney, and an opening extending outward through and beyond said seat and the periphery of said plate, and a spring-actuated shutter pivoted near said tube and extending beyond said seat to close said opening automatically, to enable the depressing end or finger-piece to be in view, and to allow the introduction of a match over said shutter when the latter is depressed, said parts being arranged and combined substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 25th day of March, 1886.

ELIJAH L. WINEY.

Witnesses:

FREDK. F. CAMPBELL,
CHARLES H. PELL.