

(No Model.)

L. HENKLE.
LAMP.

No. 459,400.

Patented Sept. 15, 1891.

Fig. 1.

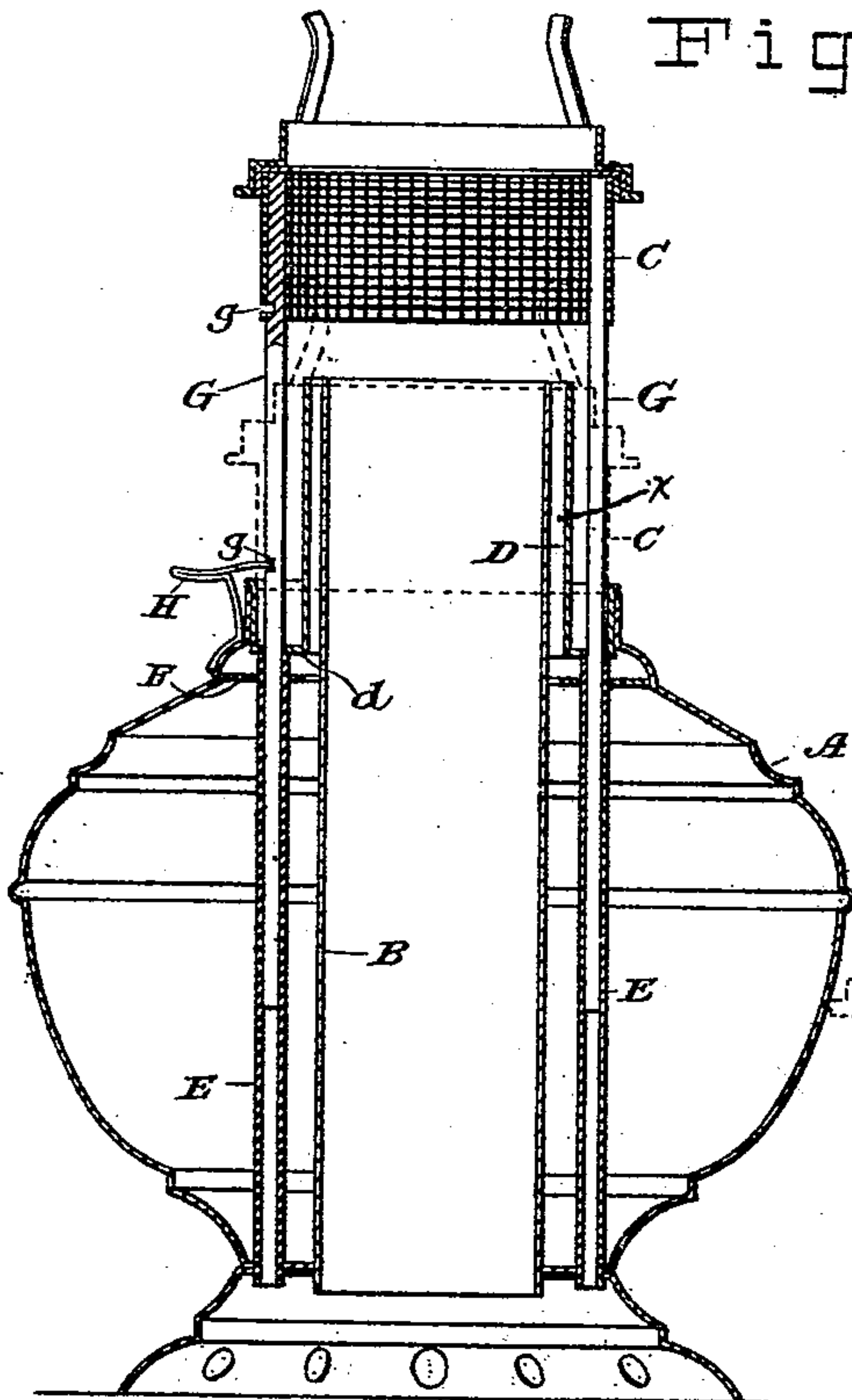
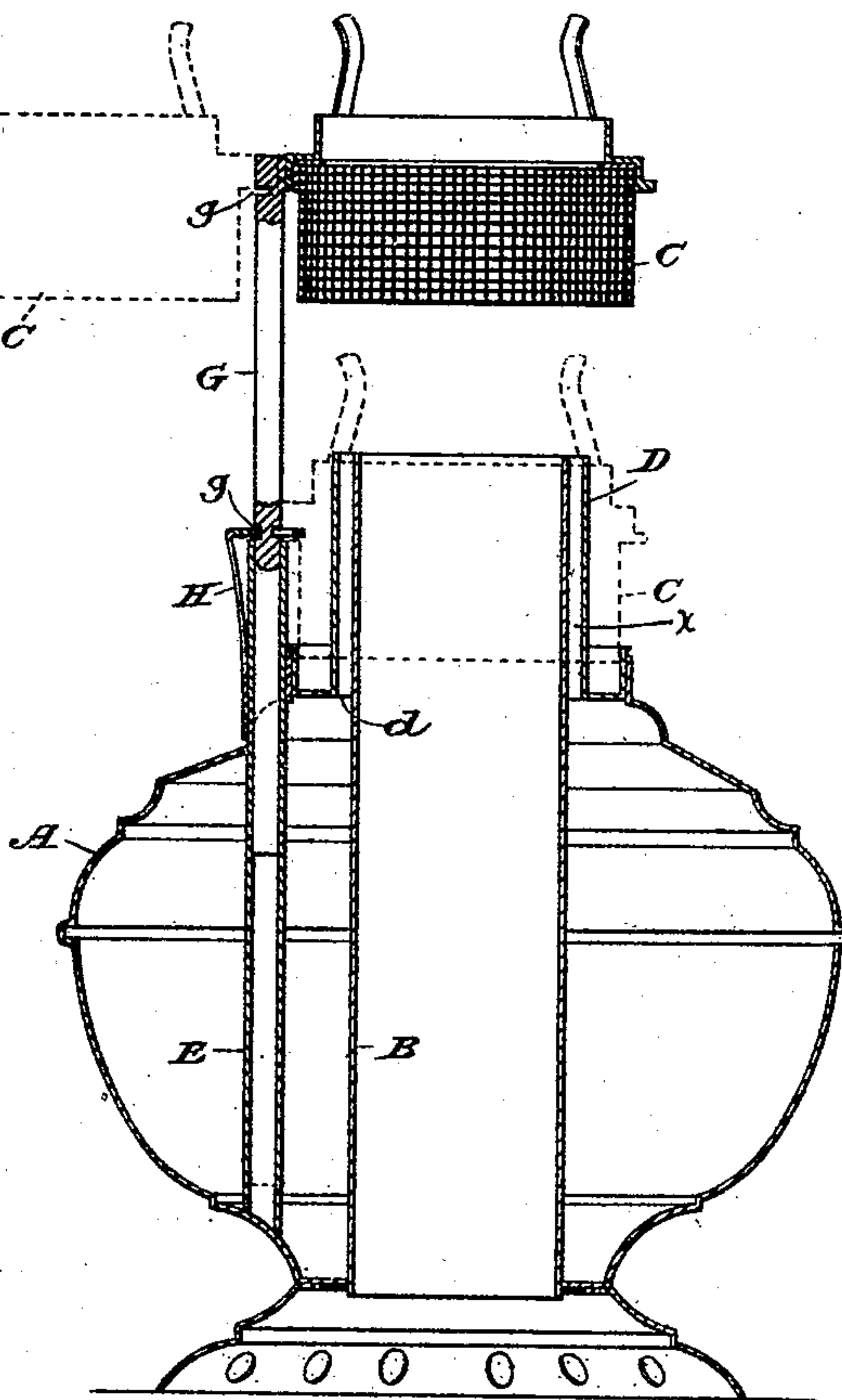


Fig. 2.



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LAMP.

SPECIFICATION forming part of Letters Patent No. 459,400, dated September 15, 1891.

Application filed September 14, 1889. Serial No. 323,933. (No model.)

To all whom it may concern:

Be it known that I, LEONARD HENKLE, a citizen of the United States, and a resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Lamps, of which the following is a specification.

This invention, which is fully disclosed in the following specification, of which the accompanying drawings form a part, consists of means for adjusting or elevating the burner or that portion thereof which supports the chimney, together with the chimney, when the latter is in position, above the top of the reservoir and wick-tubes, the latter remaining stationary, in order that the wick may be trimmed and the burner cleaned without removing the chimney, and is particularly adapted to what is known as "central-draft lamps," in which a tube to supply air to the inner mantle of the flame extends up through the lamp-reservoir, said tube also serving as a support for the wick when the latter is in position, and, together with a tube usually attached to the burner, forming the wick-chamber.

In the accompanying drawings, in which similar letters indicate like or equivalent parts wherever found throughout the two views, Figure 1 shows in central vertical section a central-draft lamp provided with my improvement, and Fig. 2 a modification thereof.

In each figure of the drawings the chimney, wick, and wick-adjuster are omitted and only those parts are shown which are necessary to illustrate the invention.

Referring to Fig. 1, A indicates the lamp-reservoir; B, the central tube; C, that portion of the burner which is adjustable or capable of being elevated, and D that portion of the burner which forms or is provided with the outer wick-tube, which, together with the upper portion of the central draft-tube, forms the wick-chamber α , and which, though removable, remains in place when the other portion of the burner is elevated, as shown in Figs. 1 and 2, each of said figures showing the burner in its elevated position, and also showing in dotted lines the position of the

burner when the lamp is in use. All these parts of the lamp are of well-known construction and form no part of the invention, which will now be described.

E E are tubes, which are firmly fixed within the lamp-reservoir and extend, preferably, through the same. In Fig. 1 the upper ends of these tubes are held in place by a flange or rim F, arranged just within the neck or upper portion of the reservoir and open just below the base of the stationary portion of the burner, (designated by d ,) said base being provided with holes or perforations which register with the tubes when the burner is in position. This portion of the burner is also provided with an upwardly-projecting flange or rim d' , which fits within the neck of the lamp, and is preferably provided with a bayonet-joint in the usual way, by which it may be locked in position when the lamp is in use.

Attached to the adjustable part of the burner on opposite sides and within the casing thereof are rods G, which are so placed as to enter the tubes E through the holes in the base-plate d of the stationary portion of the burner, and when these rods are so placed and the adjustable portion of the burner pressed down it will be in the position shown in dotted lines, and the lamp will be ready for use. Whenever, however, it becomes necessary to trim the wick or clean the burner or the separate portions thereof, it is only necessary to take hold of the outer or adjustable portion and raise it to the position shown in Fig. 1, when access may be readily had to the wick-tip, which may be easily trimmed without the necessity of removing the chimney at the risk of breaking the same or burning the hand, and the separate parts of the burner may also be readily and easily cleaned. The adjustable portion of the burner may be held in an elevated position or locked in place, when the lamp is in use, by means of notches g , formed in one of the rods G, and a spring-catch H, attached to the upper part or neck of the lamp-reservoir.

In the construction shown in Fig. 2 but a single tube E is employed, and this is carried up through the top of the reservoir outside of the neck-flange, and also outside of the ad-

justable portion of the burner, which is so attached to the rod G that it may be turned thereon to the position shown in dotted lines; or it may be firmly attached to said rod and turned from the position shown in full lines to that shown in dotted lines by turning the rod within the tube E. In either case the notches g and the spring-catch H will serve the same purpose as in the construction shown in Fig. 1.

With the construction shown in Fig. 2 the movable portion of the burner, when elevated, may be turned entirely away from the wick, and a free and unobstructed access thereto may thus be obtained, and for this reason this construction has some advantages over the other. In the construction shown in Fig. 1, however, the use of two tubes and two rods renders clamping and twisting of the parts less liable and enables them to be operated with more ease and with less friction.

This invention is not limited to the precise construction and location of parts herein shown and described, as it is evident that many changes in the details of construction might be made without departing from the scope of the invention. It is also well known that the idea of elevating lamp-burners together with the chimney-holder and chimney for the purposes herein set out is not new, nor do I claim, broadly, constructions for this purpose as of my invention; but,

Having fully described my invention, its construction and operation, what I do claim, and desire to secure by Letters Patent of the United States, is—

1. The combination, with a lamp-reservoir, of a tube arranged vertically therein, and a burner a portion of which is removable and forms the outer wall of the wick-chamber and a portion of which is vertically adjustable and provided with a rod which passes into the tube within the reservoir, substantially as shown and described.

2. The combination, with a central-draft lamp having a tube arranged vertically in the reservoir, of a burner a portion of which is removable and forms the outer wall of the wick-chamber and is provided with a base-plate having a perforation or hole which registers with said tube and a portion of which is vertically adjustable and provided with a rod which passes through the perforation in the

base-plate into the tube within the reservoir, substantially as shown and described.

3. The combination, with a central-draft lamp having a tube arranged vertically within the reservoir and extending through the same, of a burner a portion of which is removable and forms the outer wall of the wick-chamber and a portion of which is vertically adjustable and provided with a rod which passes into the tube within the reservoir, substantially as shown and described.

4. The combination, with a central-draft lamp, of a tube or tubes arranged vertically within the reservoir, a burner a portion of which is removable and forms the outer wall of the wick-chamber when in position upon the lamp and a portion of which is vertically adjustable and provided with a rod or rods which extend downwardly into the tube or tubes within the reservoir, and means whereby the adjustable portion of the burner may be held in an elevated position, substantially as and for the purposes set forth.

5. The combination, with a central-draft lamp, of a tube arranged entirely within the reservoir, a burner a portion of which is removable and forms the outer wall of the wick-chamber when in position and a portion of which is vertically adjustable and provided with a rod which extends downwardly into the tube arranged within the reservoir, and means, said means consisting of a notched rod and a spring-catch, for holding the adjustable portion of the burner in an elevated position, substantially as shown and described.

6. The combination, with a central-draft lamp, of tubes arranged entirely within the reservoir, the tops of which open immediately under the burner, and a burner a portion of which forms the outer wall of the wick-chamber and is provided with a base-plate having perforations or openings which register with the tubes within the reservoir, and a portion of which is vertically adjustable and provided with rods which enter said tubes, substantially as shown and described.

Signed at the city of New York, in the county of New York and State of New York, this 13th day of September, A. D. 1889.

LEONARD HENKLE.

Witnesses:

DANIEL E. DELAVAN,
S. SMITH.