

No. 654,878.

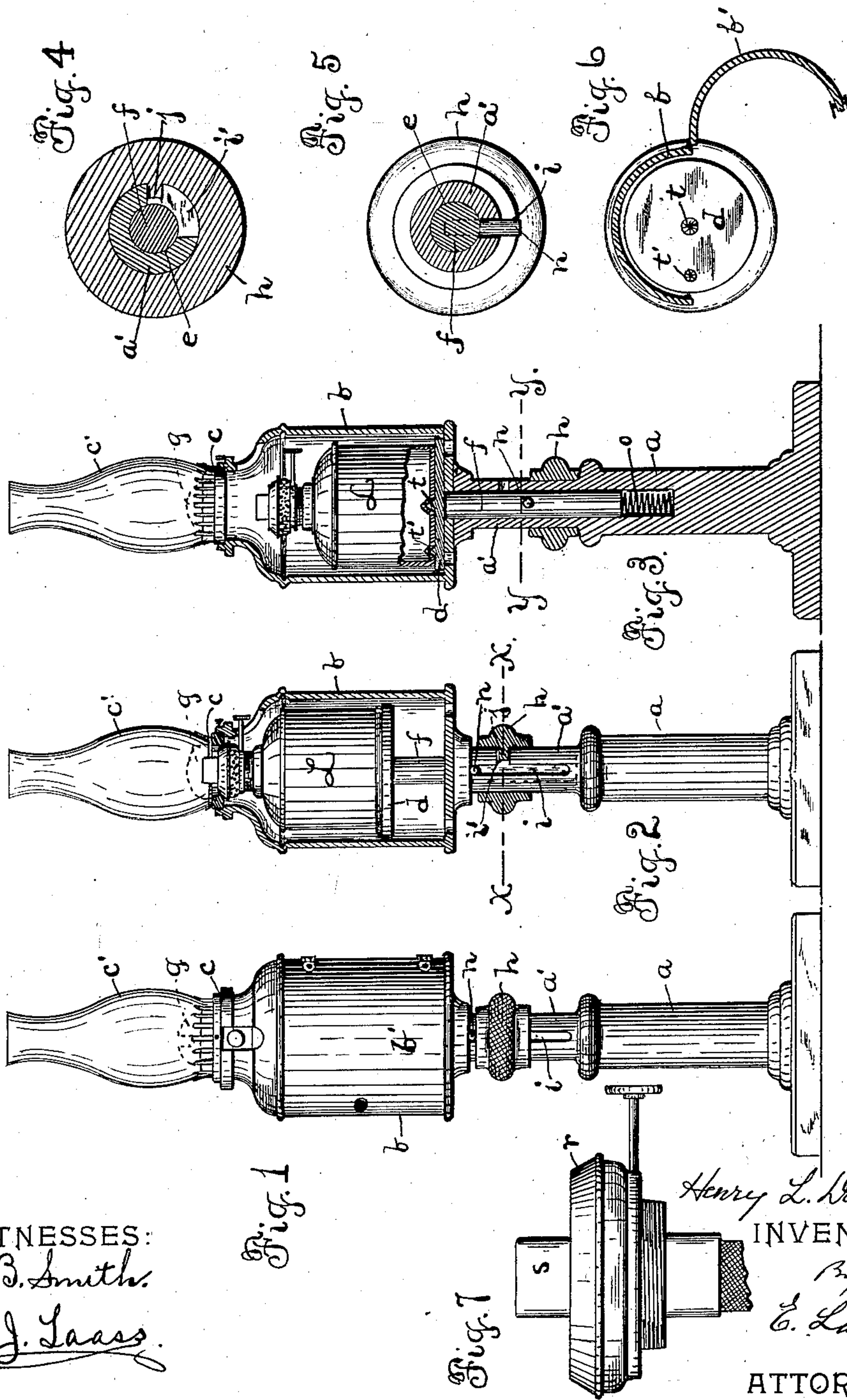
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H. L. DE ZENG.

LAMP HOLDER.

(Application filed Oct. 5, 1899.)

(No Model.)



WITNESSES:
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HENRY L. DE ZENG, OF GENEVA, NEW YORK.

LAMP-HOLDER.

SPECIFICATION forming part of Letters Patent No. 654,878, dated July 31, 1900.

Application filed October 5, 1899. Serial No. 732,860. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. DE ZENG, a citizen of the United States, and a resident of Geneva, in the county of Ontario, in the State of New York, have invented new and useful Improvements in Lamp-Holders, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

10 The object of this invention is to provide a lamp-holder which shall be ornamental in appearance and at the same time obviate the necessity of manipulating the chimney in the operation of replenishing the lamp and shall
15 also facilitate said replenishing and the lighting of the lamp; and to that end the invention consists in the novel construction of the lamp-holder and auxiliary devices connected therewith, as hereinafter described, and set
20 forth in the claims.

The invention is fully illustrated in the annexed drawings, in which—

Figure 1 is a front view of my improved lamp-holder. Figs. 2 and 3 are elevations and
25 partly-vertical sectional views of the lamp-holder with the lamp-support in different positions. Figs. 4 and 5 are enlarged transverse sections, respectively, on lines X X and Y Y. Fig. 6 is a horizontal transverse section of the lamp-inclosing case in its open
30 position, and Fig. 7 is an enlarged detail side view of the lamp-burner.

Similar letters of reference indicate corresponding parts.

35 *a* represents a pedestal which may be of any desirable shape and dimensions and of any suitable material. This pedestal is formed with a supplemental post *a'*, extending from the top of the pedestal. Upon the top of this
40 post is rigidly mounted a suitable case *b* for inclosing the lamp *L*. To the top of said case is secured in any suitable manner the chimney-holder *c*, which may be of any suitable shape to properly support the chimney *c'*.
45 The lamp *L* is placed upon a vertically-movable support *d*, located inside of the case *b*, which is provided with a door *b'* over an opening of sufficient size to permit the lamp to be conveniently passed through it when

required to remove the lamp for replenishing 50
or cleaning.

The operation of the lamp-support will be hereinafter described.

The post *a'* is preferably of a cylindrical shape and tubular or formed with an internal 55
guide *e*, which may extend into the pedestal *a*, and contains a vertically-movable stem *f*, which extends into the case *b* and has fastened to its upper end the lamp-support *d*. For lifting said lamp-support and locking it 60
in its elevated position to cause the lamp to communicate directly with the usual cone *g* in the chimney-holder *c* I apply to the post *a'* a vertically-movable collar *h* and provide
said post with a vertical slot *i* and with a 65
lateral slot *i'*, extending therefrom. The collar *h* engages a lug or pin *n*, projecting from the stem *f*, and has projecting from its inner side a lug *j*, which engages the slot in the
post, and by sliding said collar upward the 70
stem *f* is raised and the lamp *L* thereby elevated to carry the burner into the cone *g*, and then by turning said collar the lug thereof enters into the lateral slot *i*, and thereby retains
the collar in its raised position, and consequently the lamp is held in its connection 75
with the base of the chimney-holder *c*. The lug or pin *n* slides in the aforesaid vertical slot *i* during the vertical movement of the stem *f*, and thus prevents said stem from turning. 80

In order to insure proper communication of the burner with the cone *g*, I provide the lamp-support *d* with suitable gages *t* and *t'*, by which to adjust the position of the lamp. Said gages serve to prevent the lamp from 85
shifting or turning on said support, and consist of knobs or projections provided on top of the support and which engage corresponding recesses in the bottom of the lamp, as shown in Figs. 3 and 6 of the drawings. 90

To obviate undue jarring of the lamp in lowering the same, the bottom of the guide *e* or interior of the post *a'* is provided with a spiral spring *o* or other suitable cushion receiving the impact of the lower end of the 95
stem *f*.

To obtain a close fit of the burner with the chimney-holder, I form the upper margin of

the base of the burner sloping, as shown at *r* in Fig. 7 of the drawings. The under side of the chimney-holder is correspondingly shaped to receive the aforesaid sloped portion of the burner.

5 What I claim as my invention is—

1. A lamp-holder comprising a pedestal formed with an internal guide, a case mounted rigidly on said pedestal and provided with a door, a vertically-movable stem in said guide and extending into said case, a lamp-support fastened to the upper end of said stem whereby the lamp is completely housed by said case, said support being detached from the lamp, and a vertically-movable collar on the pedestal and connected to the stem to elevate and lower the lamp-support, and provided with means to lock said support in its elevated position as set forth.

2. A lamp-holder consisting of a pedestal, a vertically-movable lamp-support sustained on said pedestal, means for controlling the elevation of said support, a chimney-holder supported on the pedestal, and gages on the lamp-support for adjusting the position of the lamp in relation to the chimney-holder as set forth.

3. A lamp-holder consisting of a pedestal, a vertically-movable lamp-support sustained on said pedestal, means for controlling the elevation of said support, a lamp-inclosing case mounted on said pedestal, a chimney-holder mounted on said case, and gages on the lamp-support for adjusting the position of

the lamp in relation to the chimney-holder as set forth.

4. A lamp-holder consisting of a pedestal formed with a supplemental post of cylindrical shape and with a vertical guide in said post, and a vertical slot and lateral slot extending therefrom in the post, a vertically-movable stem in the said guide, a lamp-support mounted on said stem, a vertically-movable collar on the aforesaid post for lifting the lamp-support and provided with a lug engaged with the aforesaid slot, a lug on the stem engaging said slot to prevent the stem from turning, and a chimney-holder supported by the pedestal as set forth.

5. In a lamp-holder the combination of a pedestal formed with a supplemental tubular post and with a vertical slot and lateral slot extending therefrom in said post, a vertically-movable stem in the post, a lamp-support mounted on said stem, a guide preventing said stem from turning, a vertically-movable collar on the aforesaid post provided with a lug engaging the aforesaid slots and serving to lock the stem in its raised position, a lamp-inclosing case mounted on the post, a chimney-holder mounted on said case, and gages on the lamp-support for adjusting the position of the lamp in relation to the chimney-holder as set forth.

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Witnesses:

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