

No. 636,505.

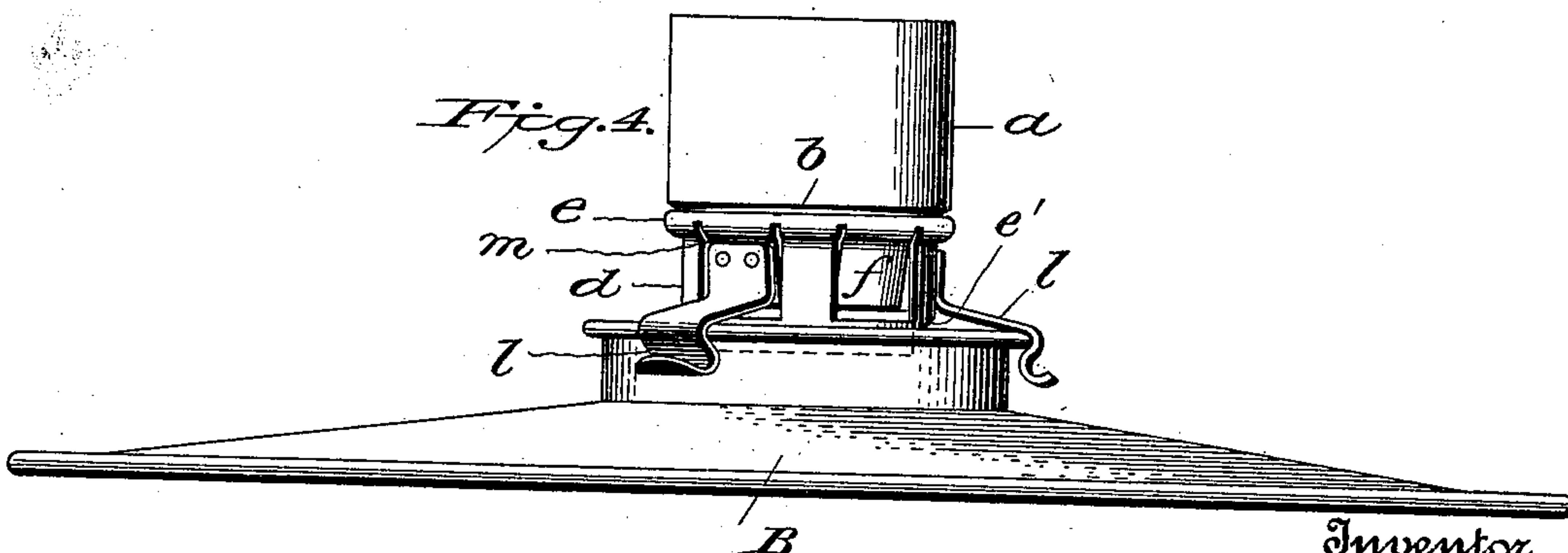
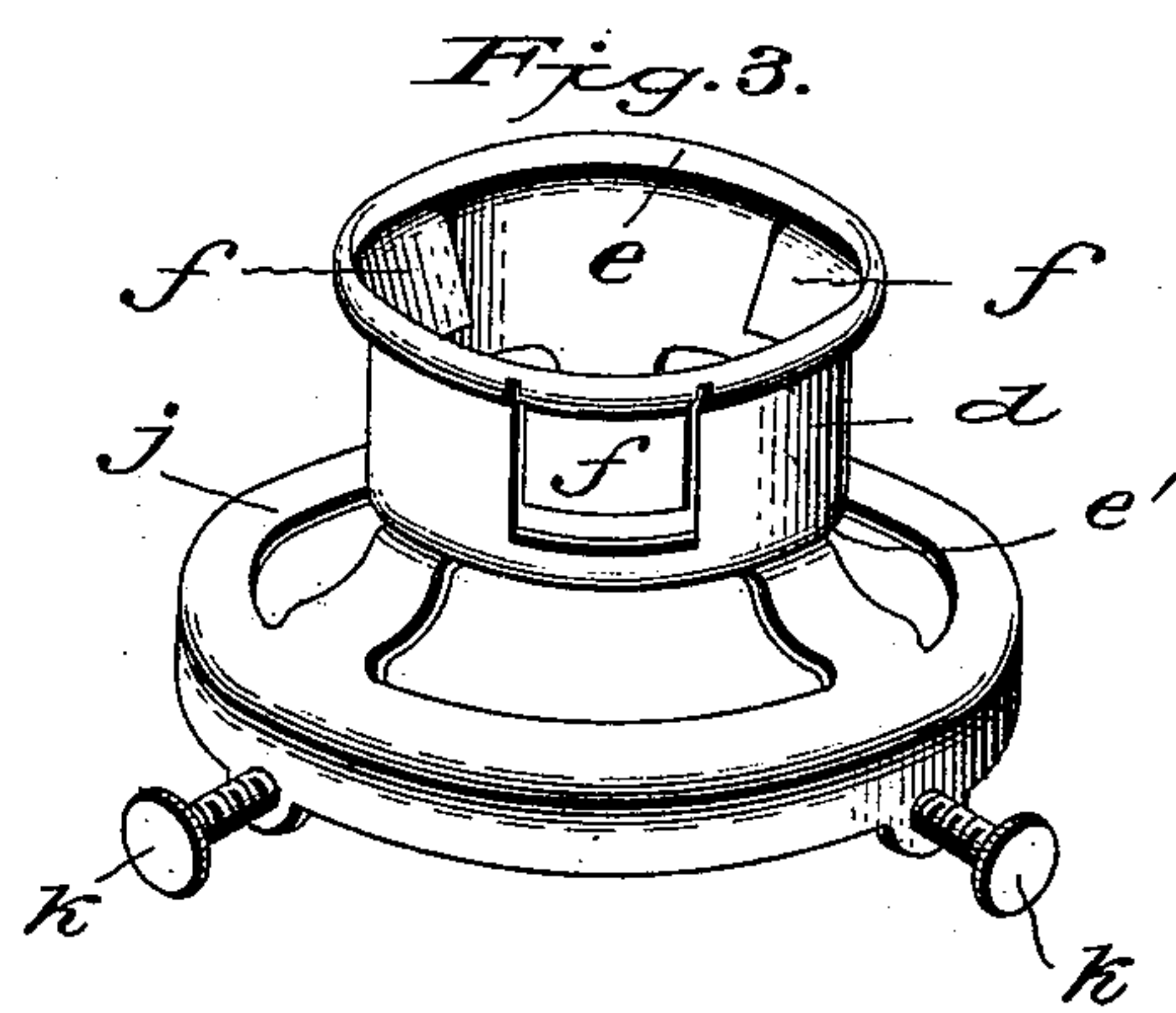
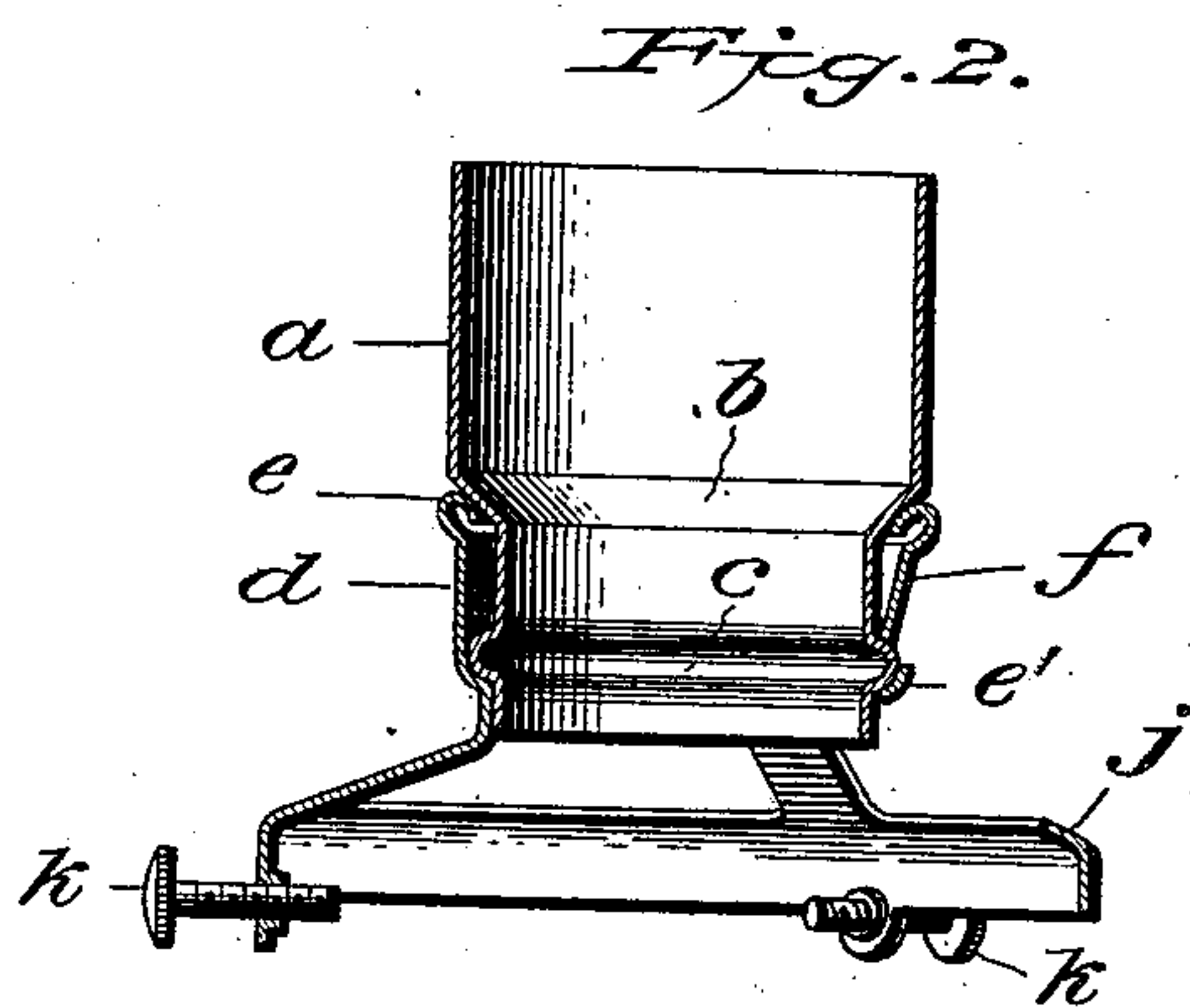
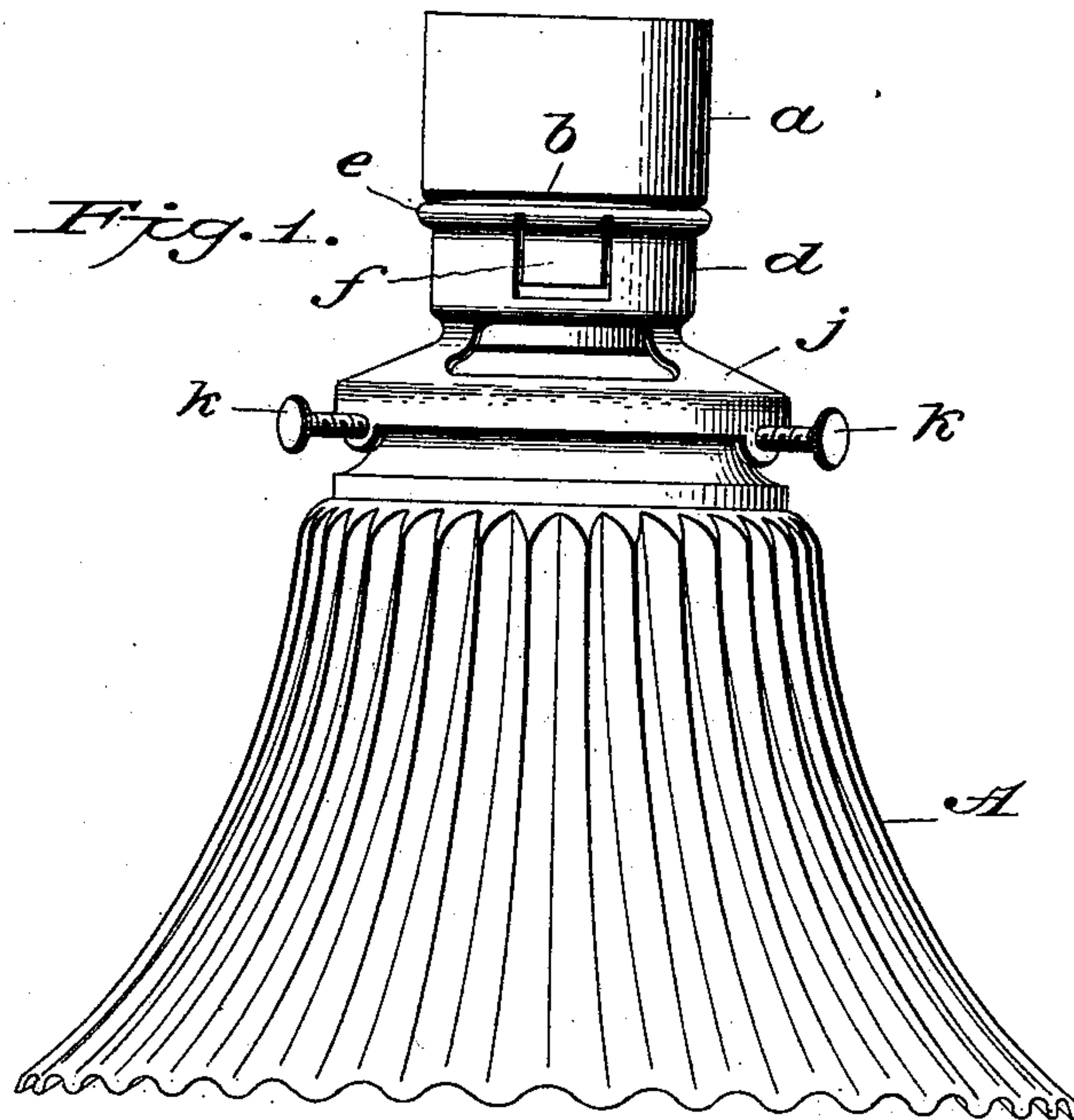
Patented Nov. 7, 1899.

G. W. EDDY.
GLOBE HOLDER FOR ELECTRIC LAMPS.

(Application filed July 19, 1899.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
G. S. Elliott.
H. E. Muzzy.

Inventor
George Miley Eddy.
by W. H. Finckel
Attorney

No. 636,505.

Patented Nov. 7, 1899.

G. W. EDDY.

GLOBE HOLDER FOR ELECTRIC LAMPS.

(Application filed July 19, 1899.)

(No Model.)

2 Sheets—Sheet 2.

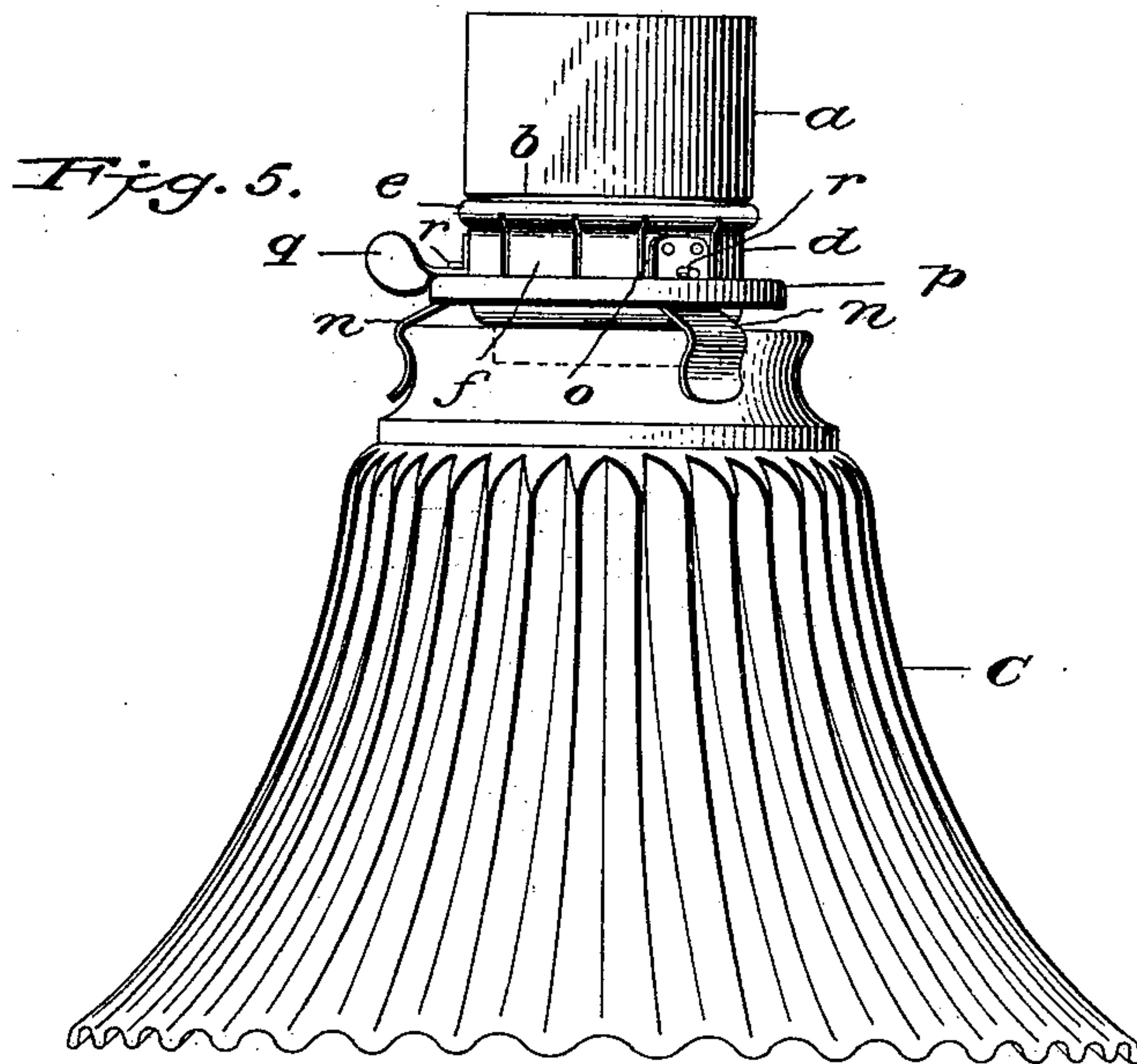


Fig. 6.

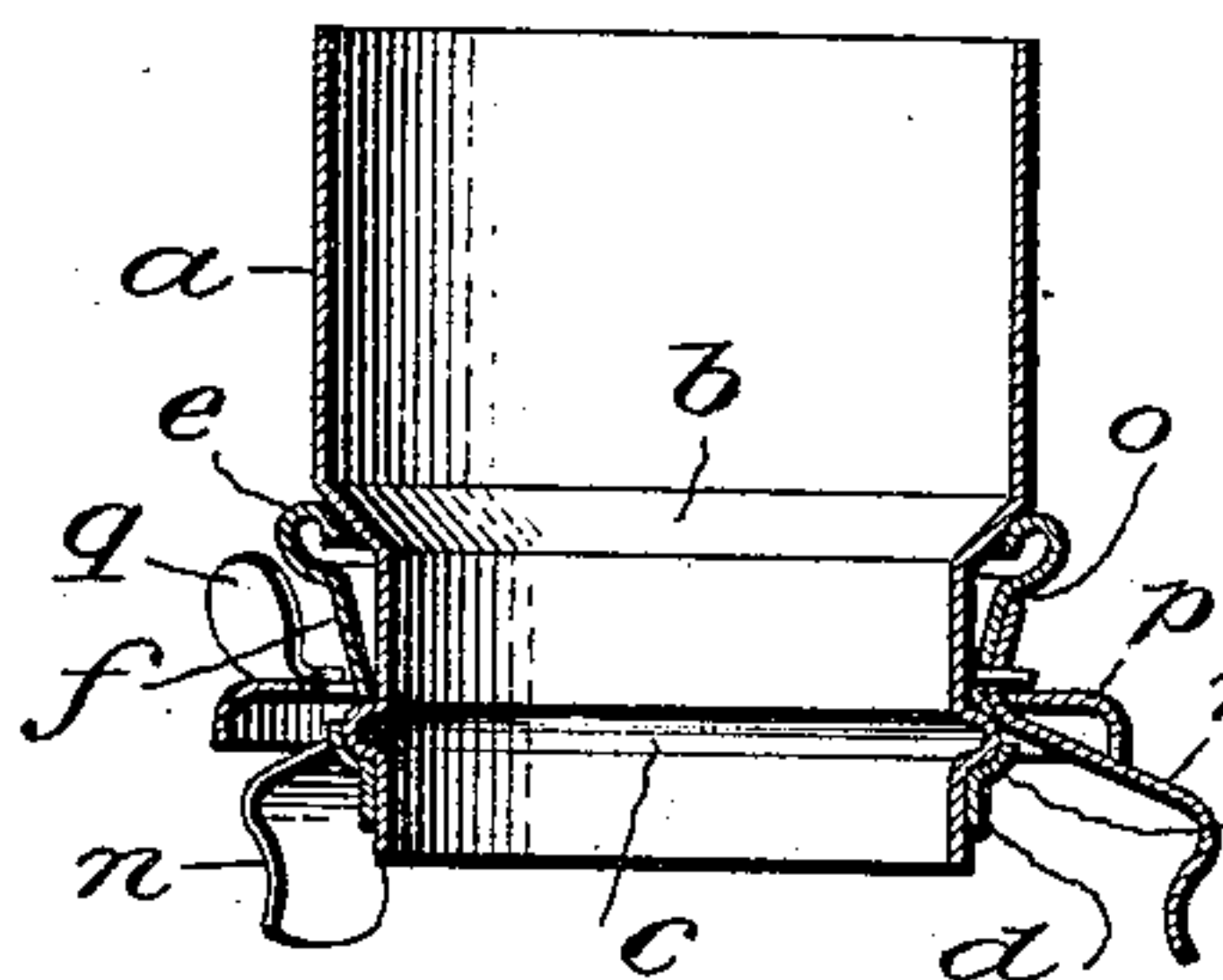


Fig. 7.

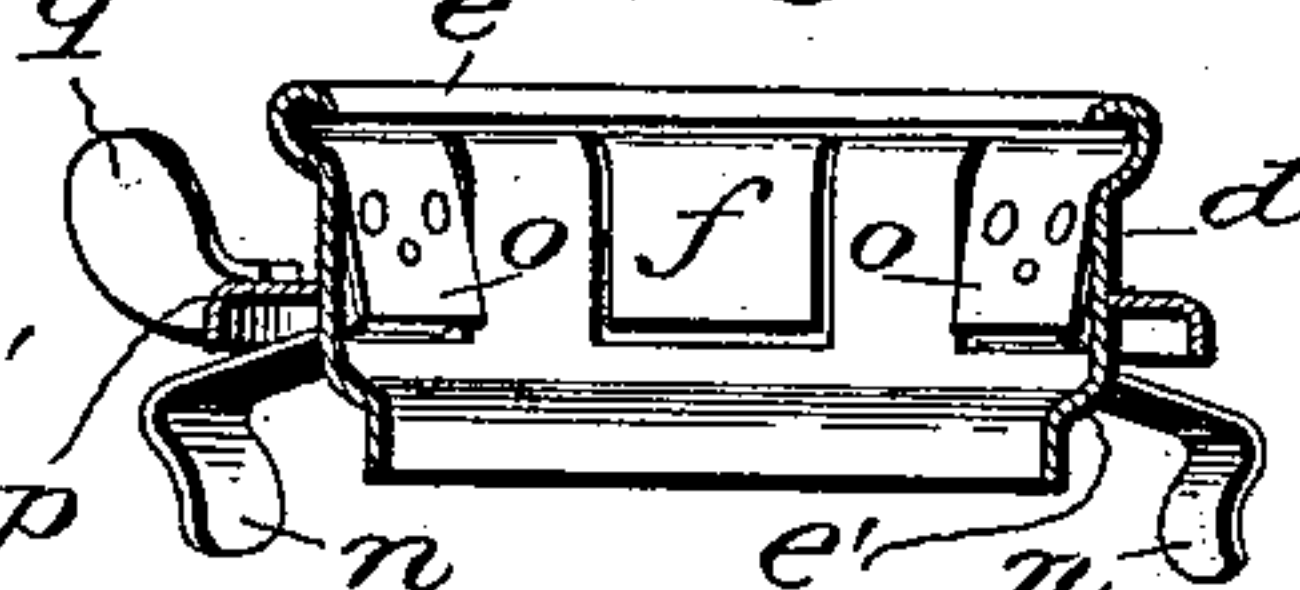


Fig. 8.

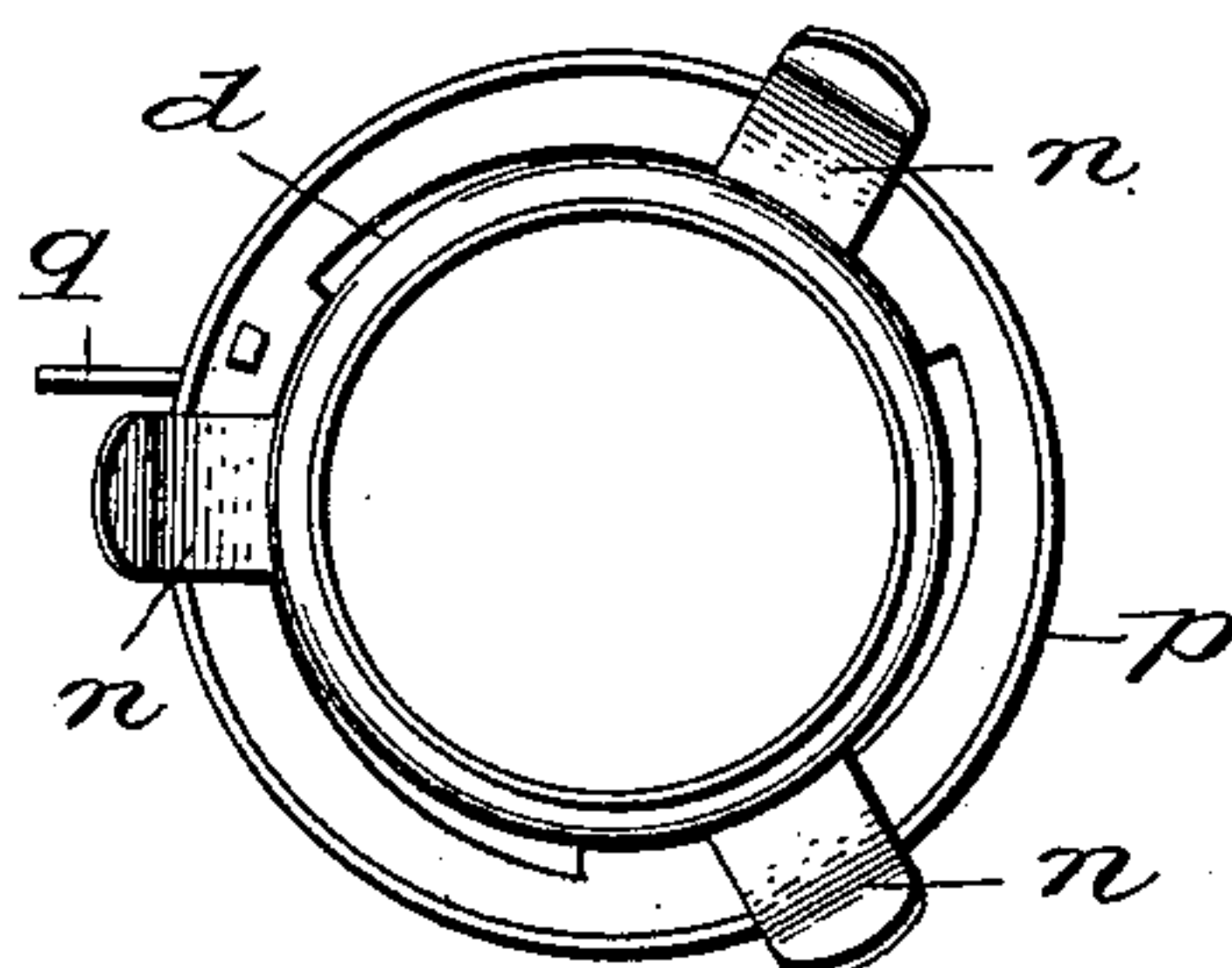


Fig. 10.

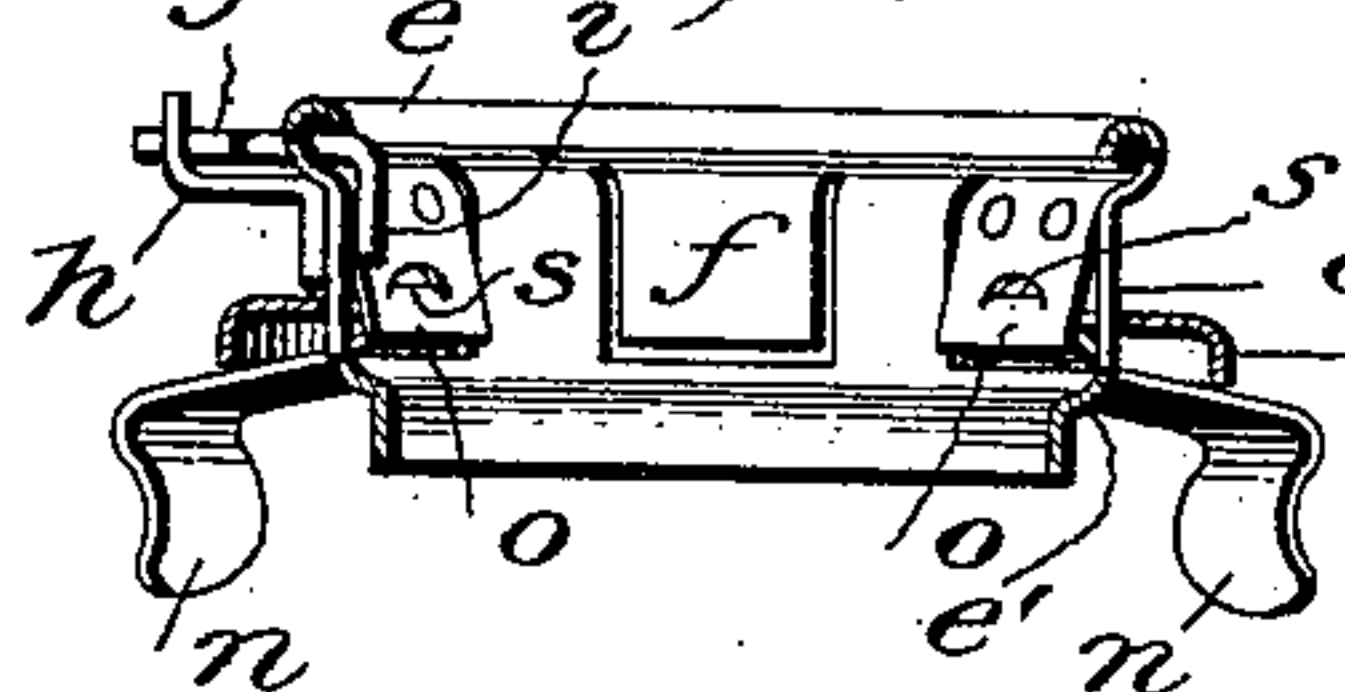


Fig. 9.

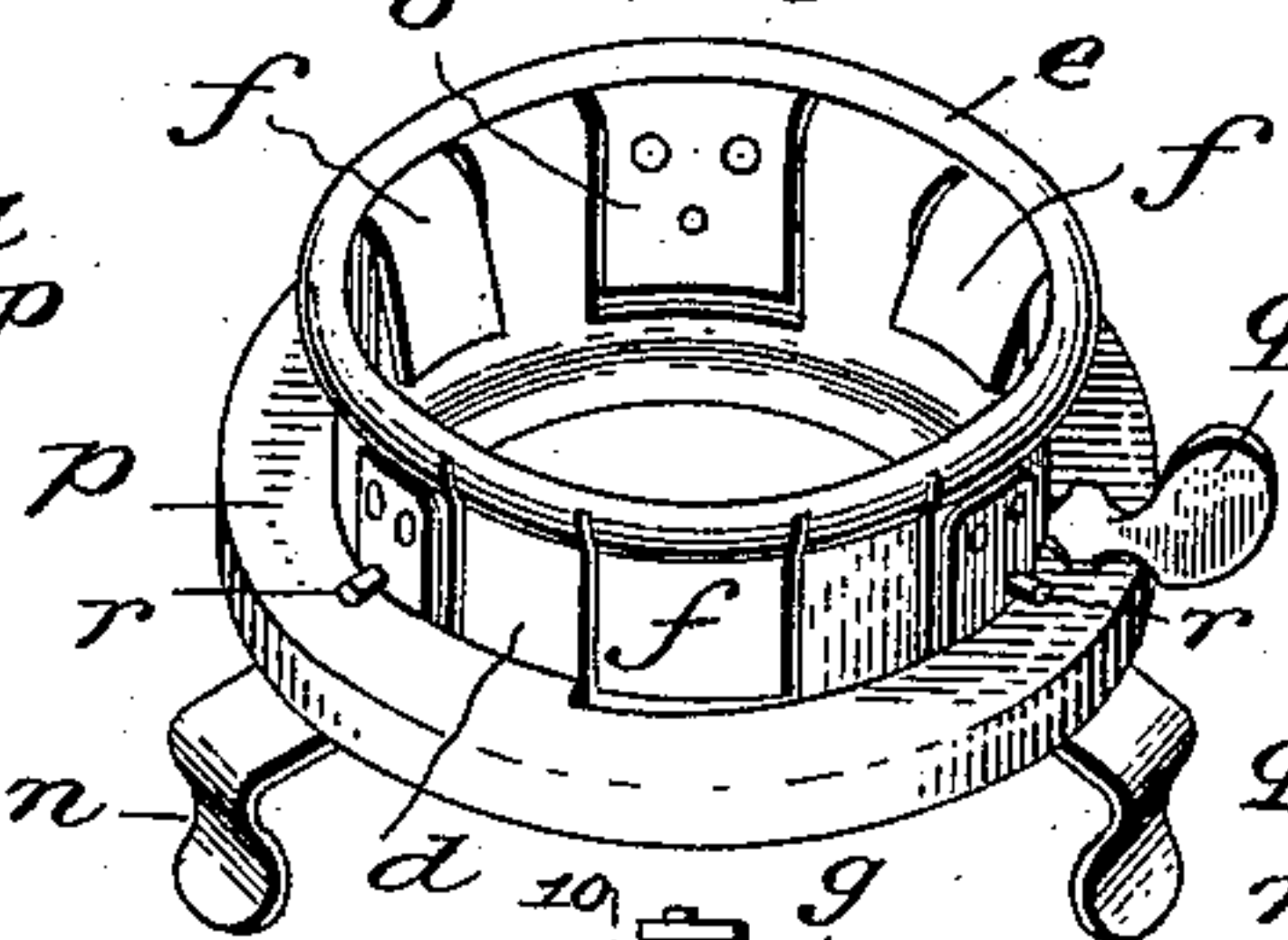


Fig. 13.

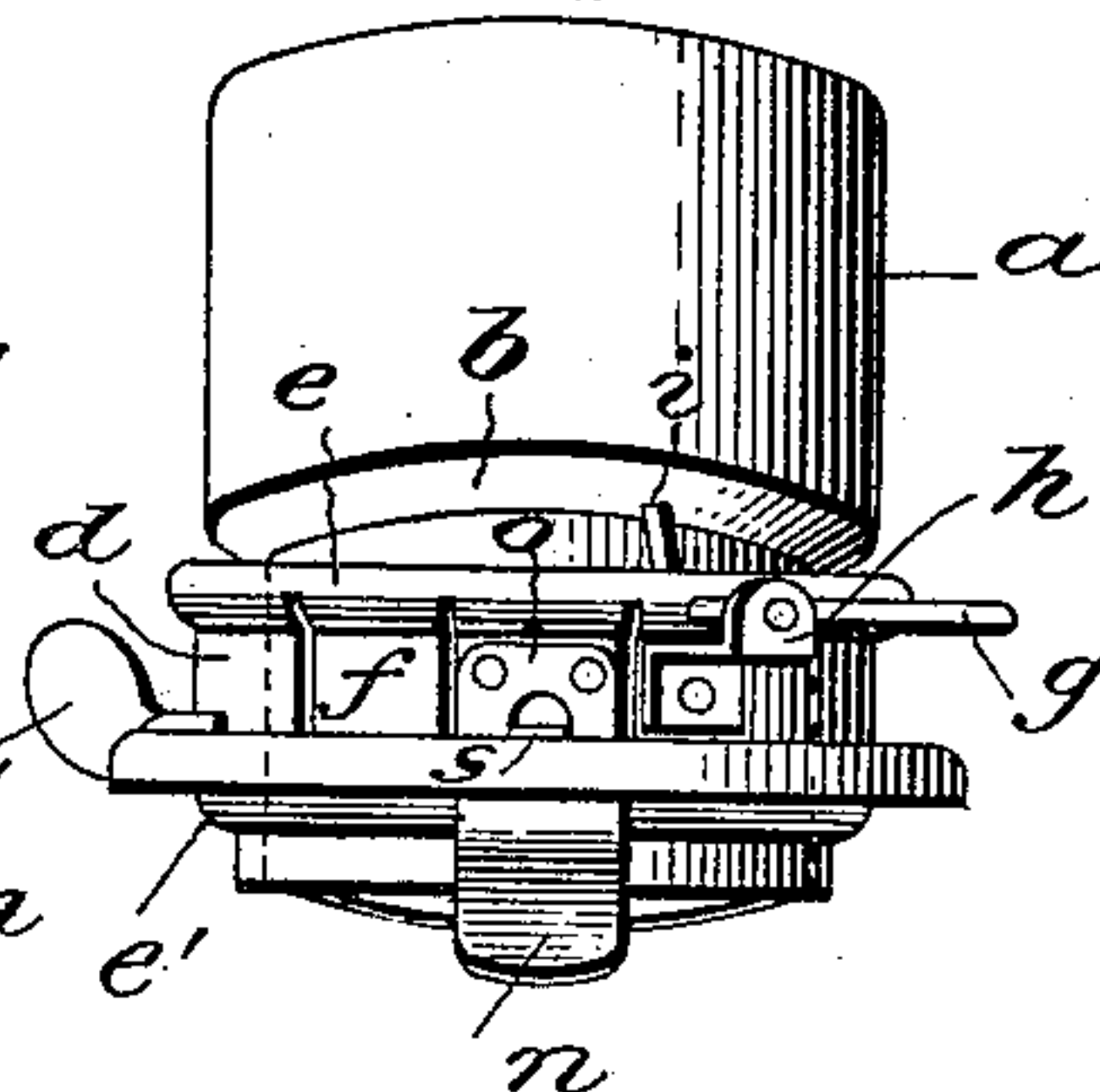


Fig. 11.

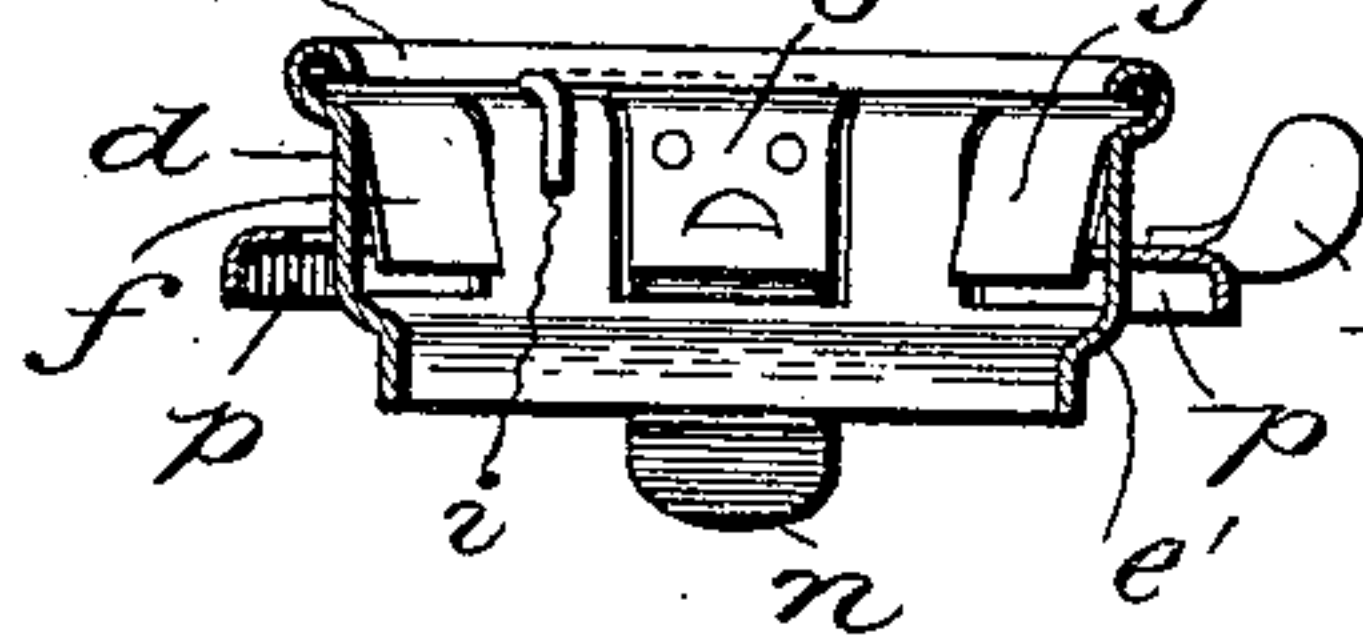
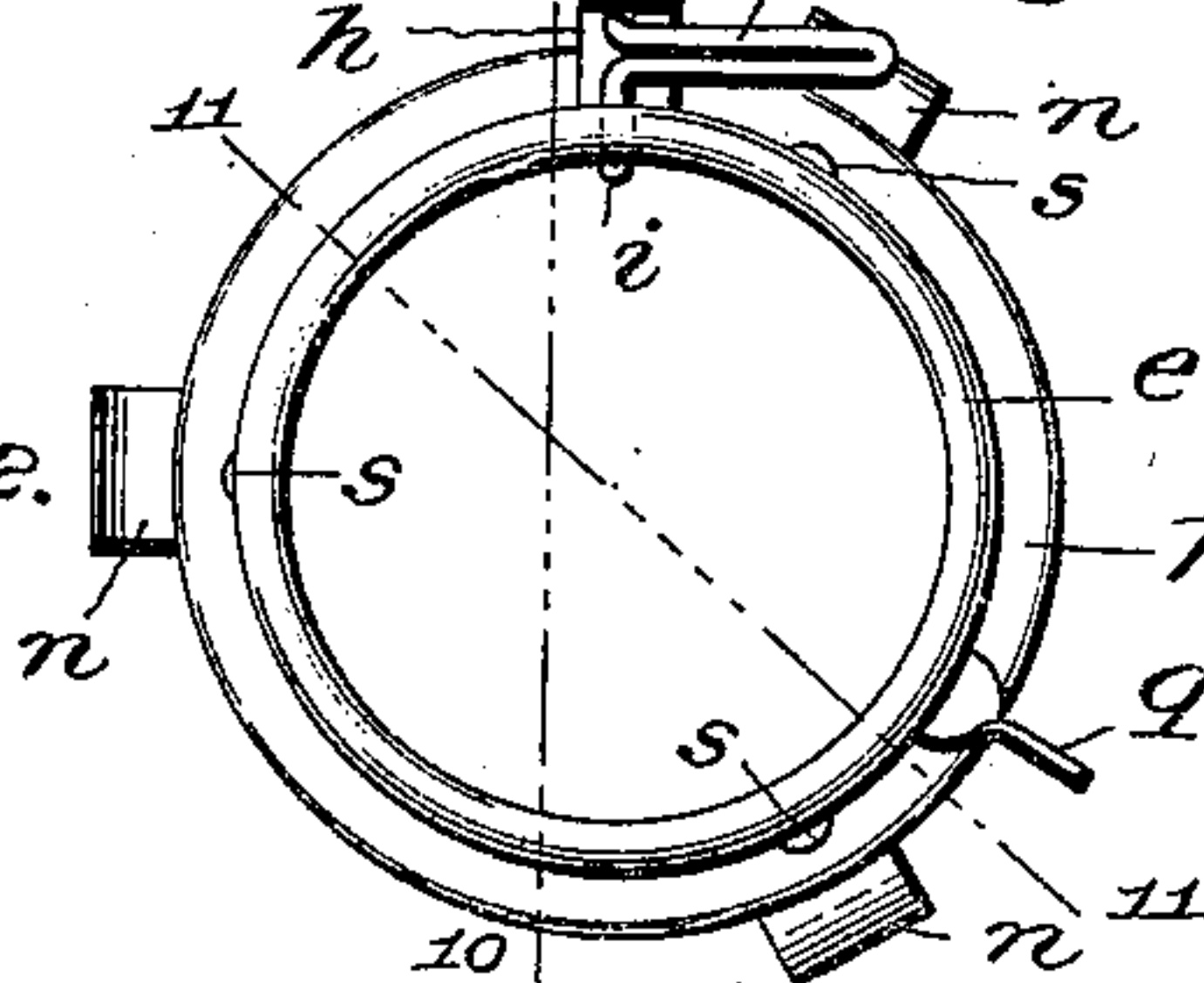


Fig. 12.



Witnesses
H. S. Elliott.
H. E. Muzzey.

Inventor
George Wesley Eddy
by *Wm. F. Finckel*
Attorney.

UNITED STATES PATENT OFFICE.

GEORGE W. EDDY, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
SCOVILL MANUFACTURING COMPANY, OF SAME PLACE.

GLOBE-HOLDER FOR ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 636,505, dated November 7, 1899.

Application filed July 19, 1899. Serial No. 724,388. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. EDDY, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Globe-Holders for Electric Lamps, of which the following is a full, clear, and exact description.

This invention has for its object the provision of a ready, simple, and efficient means for attaching globe or shade holders to the sockets of electric and other lamps, and especially incandescent electric lamps.

The invention consists in a globe or shade holder provided with automatically-acting gripping-lugs for engaging the lamp-socket or an attachment thereto, whereby the said holder may be snapped upon the said socket or attachment, and thereby united therewith.

I have herein shown my invention applied to several forms of globe or shade holders in more or less common use, but mean not to be restricted to these forms, since it is applicable to other forms.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated, Figure 1 is an elevation of one form of my invention applied to a bell-shaped shade. Fig. 2 is a vertical section, and Fig. 3 is a perspective view, of the device detached. Fig. 4 is a side elevation of another form. Fig. 5 is a side elevation similar to Fig. 1, showing another form. Fig. 6 is a vertical section of the holder of Fig. 5. Fig. 7 is a vertical section of the clasp-
ing member detached. Fig. 8 is a bottom plan view, and Fig. 9 a perspective view, of the same form. Fig. 10 is a vertical section in the plane of line 10 10, Fig. 12. Fig. 11 is a vertical section substantially in the plane of line 11 11, Fig. 12. Fig. 12 is a top plan view illustrating another modification; and Fig. 13 is a perspective view showing the modification of Figs. 10, 11, and 12 in position for releasing the holder from the socket.

In all of the forms of the invention herein shown the essential element is the automatic gripping-lugs by means of which the holder is applied to the lamp-socket or an attachment to the lamp-socket.

Let *a* represent a lamp-socket or an attach-

ment for a lamp-socket, having the shoulder *b* and the bead *c*.

The holder, of whatever form, includes a collar *d*, which is made with a bead *e* to come into contact with the shoulder *b* on the part *a* and to limit its movement in that direction, and it is also formed with a shoulder *e'* to embrace or abut against the bead *c*. The collar *d* is slitted in three (more or less) places to form what I have herein designated the "automatic gripping-lugs" *f*, and the bases of these lugs are integral with the bead *e* of said collar, and said lugs project from the bead inwardly and within the collar and with their inner ends converging, so that the circle described between the inner ends of these lugs is of less diameter than the greatest diameter of the bead *c*, and, moreover, these lugs are of a length about equal to the distance between the shoulder *b* and the bead *c*, or of such length that when the collar *d* is slipped upon the device *a* until its bead *e* is arrested by the shoulder *b* and its shoulder *e'* abuts against the said bead *c* the lugs *f* will snap past the said bead *c* and fall in behind the said bead, as clearly shown in Figs. 2, 4, and 6, and retain the holder upon the lamp-socket or its attachment *a* against all accidental movement in the direction of the length of the holder.

If the bead *c* is rounded, as shown, it is possible to disconnect the holder from the lamp-socket by pulling thereon in the direction of its length, or one or more of the lugs may be lifted out of contact with the bead *c*, or some special device may be used for effecting this disconnection. One such last-mentioned device I have shown in Figs. 10 to 13, and it consists of a lever *g*, which may be of wire, fulcrumed in the collar and in a bracket *h*, projecting from the collar, and having a right-angle extension or lug *i* within the collar, which, when the lever is turned as in Fig. 13, will come into forcible contact with the shoulder *b* and pry off the holder, as illustrated in said Fig. 13. This lug *i* stands between the collar and the socket *a* in a crowded manner, and thereby serves to increase the hold of the collar on such socket.

Various forms of holders may be combined with my construction of the collar. In Figs.

1 to 3 said holder comprises an annular gallery having screws *k* to engage the beaded neck of a shade or globe A. In Fig. 4 the collar is supplied with clips *l*, which are secured to spring-arms *m*, forming part of the collar and adapted to engage a beaded collar or edge on the shade or reflector B. In Figs. 5 to 13 similar clips *n* are secured to similar spring-fingers *o*; but the clips are adapted in shape for use with a glass or other bell-shaped globe or shade C, like that of Fig. 1, whereas the clips in the device shown in Fig. 4 are adapted more especially for use in connection with a metal shade or reflector.

In the form of device shown in Figs. 5 to 13 the clips are engaged with the shade or globe by means of a cam-ring *p*, having a finger-piece *q* and supported on the collar by pins *r* or indentations or tongues *s*, Figs. 10, 11, 12, and 13, in the fingers *o*, the said cam-ring having a rotary reciprocating motion about the collar for operating the clips to secure a holder to a shade or globe and release it therefrom.

The modifications described and others may be employed at pleasure.

What I claim is—

1. A holder for lamp shades, globes and the like, comprising means to engage the said shade, globe or the like, and a collar having a shoulder at one end to arrest its movement in one direction and at its other end having depending convergent gripping-lugs for automatically engaging some portion of the lamp, to secure the holder and shade thereto, substantially as described.

2. A holder for shades, globes and the like, comprising means to engage the shade, globe or the like, a collar having gripping-lugs adapted automatically to engage some por-

tion of a lamp, and a releasing device supported on said collar and adapted to disengage said holder from the lamp, substantially as described.

3. A holder for shades, globes and the like, comprising means to engage the shade, globe or the like, and a collar having gripping-lugs adapted automatically to engage a lamp, and provided with a releasing device, comprising a lever, one end of which is adapted to be forced against the lamp or some of its adjuncts and thereby disconnect the holder from the said lamp, substantially as described.

4. A holder for lamp shades, globes and the like, comprising means to engage the said shade, globe or the like, and a collar having a bead at one end, lugs projecting inwardly from said bead and adapted to snap over and thereby engage some projecting portion of the lamp and thus retain the holder in engagement with said lamp, and a shoulder at the other end to arrest the movement of the holder in one direction, substantially as described.

5. A holder for shades, globes and the like, comprising means to engage the shade, globe or the like, a collar having gripping-lugs adapted automatically to engage some portion of a lamp, and a releasing device having an exterior operating-handle and an interior lug which is crowded between the collar and the lamp portion engaged by the collar to assist in binding them together, substantially as described.

In testimony whereof I have hereunto set my hand this 28th day of June, A. D. 1899.

GEORGE W. EDDY.

Witnesses:

C. M. DE MOTT,
J. H. PILLING.