

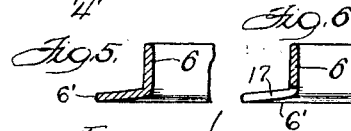
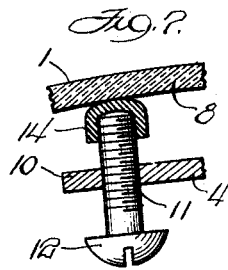
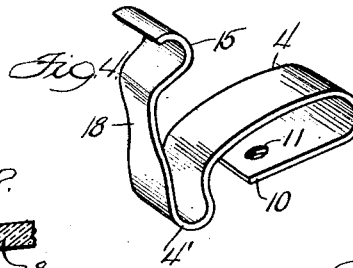
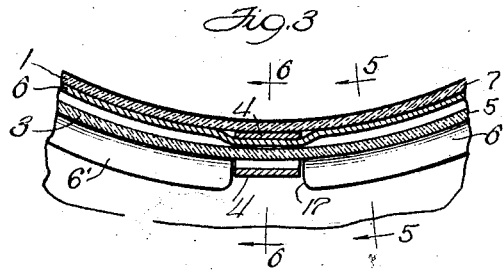
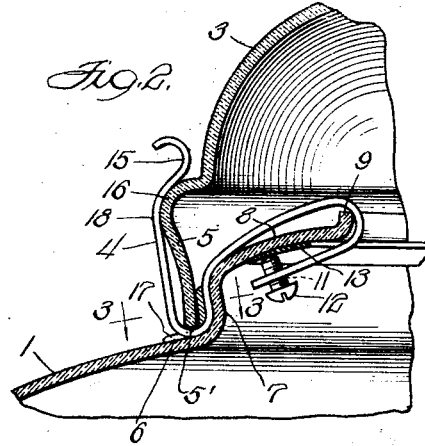
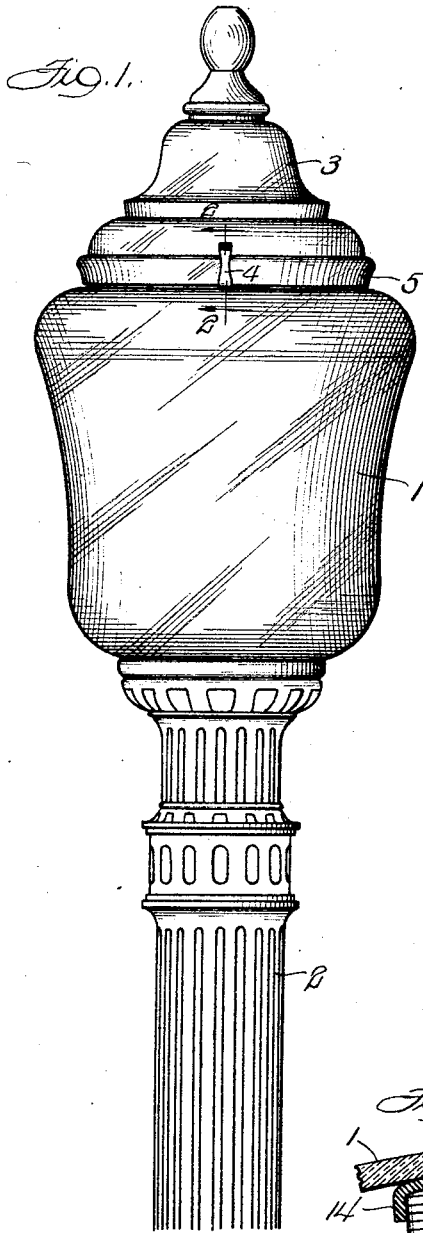
Feb. 16, 1926.

1,573,580

H. E. RUTTLE

CANOPY HOLDER

Filed March 10, 1924



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# UNITED STATES PATENT OFFICE.

HARRY E. RUTTLE, OF CHICAGO, ILLINOIS.

CANOPY HOLDER.

Application filed March 10, 1924. Serial No. 693,115.

*To all whom it may concern:*

Be it known that I, HARRY E. RUTTLE, a citizen of the United States of America, and a resident of Chicago, county of Cook and State of Illinois, have invented a new and useful Improvement in Canopy Holders, of which the following is a specification.

This invention relates to illuminating accessories and especially to globes and canopies adapted for outdoor use and to means for securing same in place. Heretofore various means have been used for holding globes and canopies in position but under present conditions with devices now extensively in use, much breakage and depreciation result from insecurity and looseness of fit incident to inadequate holding devices commonly used, or to lack of fastenings. In connection with street lighting extensive use is made of large upright globes set on the tops of posts. Each globe has a wide mouthed top and a canopy set thereon, usually with some sort of securing means to prevent accidental displacement. But heretofore the usual construction and arrangement of parts has not eliminated extensive losses caused by storms jarring the canopies loose and breaking them.

The main objects of this invention are to provide an improved form of connector and fastening means for such devices, and especially to provide an improved form of fastener for a canopy resting on the top of a globe; to provide means of resilient character adapted for ready application of the canopy to the globe and removal thereof as may be desired from time to time; to provide an improved form of cushioning means disposed between the adjacent rims of the globe and canopy; to provide such a cushioning device in the form of an expansible resilient ring adapted to provide a continuous cushion-like bearing both vertically and laterally for the canopy, and preferably also adapted to insure and maintain definite spacing of the holding means; to provide for screw setting of the fasteners on the top rim of the globe; and to provide a protective bearing cushion and strain equalizing device for transmitting the pressure of the fastener setting screws to the globe rim.

An illustrative embodiment of this invention is shown by the accompanying drawings in which:—

Figure 1 is a front elevation of the top part of a lamp post with a globe and canopy in place thereon.

Fig. 2 is an enlarged fragmentary section on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary horizontal section on the line 3—3 of Fig. 2.

Fig. 4 is a perspective view of one of the fasteners.

Fig. 5 is a section through the canopy cushioning ring on the line 5—5 of Fig. 3.

Fig. 6 is a similar section on the line 6—6 of Fig. 3 and shows the notch to receive the spring fastener.

Fig. 7 shows a much enlarged modified form of screw cushioning means in the form of a cap on the tip of the screws.

In the construction shown in the drawings, the globe 1 is secured to the top of the lamp post 2 in any desired manner as will be understood, though details of the globe securing means, being no part of this invention, are not here shown, any one of the numerous well-known forms being adapted for the purpose.

Resting on the top of the globe 1 is a canopy 3 which is held in place releasably by a plurality of resilient spring fasteners in the form of sheet metal clips 4. The lower edge of the bearing rim 5 of said canopy is cushioned relative to the top of the globe by means 6, here shown as an annular hoop-like gasket which embraces the upstanding top flange of the globe. This gasket is of angular form in cross section and is substantially L-shaped to conform with the shape of the restricted upstanding globe neck or top 7 whereby cushioning is provided both for the downwardly facing edge 5' of the canopy rim 5 and for the inner vertical face of said rim near its lower edge.

The globe 1 curves inward at the top and terminates substantially with the upward rim or neck 7. The upper edge of said rim 7 curves inwardly for a short distance as at 8 and ends in an upright narrow edge flange 9 about which the inner ends of the holders 4 are disposed as shown in Figure 2.

The downwardly and outwardly turned inner tips 10 of clips 4 are each perforated and threaded at 11 to receive a set screw 12. In order to distribute the pressure somewhat and cushion the seating of the screws

12 where they bear against the inner side of the globe part 8, appropriate means are interposed, such for example as an annular strip 13 of fiber adhesively secured to the globe or rubber caps 14 placed on the screw tips. The middle part 4' of the clip loops down back of the gasket 6 and under the edge 5' of the canopy and up outside of said flange and terminates in an inwardly turned catch part 15 formed to grip the convex peripheral shoulder 16 of said canopy. The clips 4 being substantially S-shaped in general form, and suitably proportioned are naturally adapted to serve alone to hold the canopy in place. The accessory gasket 6, cushion 13 or 14 and screws 12 add security. The gasket 6 has notches 17 cut out in its nearly horizontal flange 6' to accommodate and receive the clips 4 and whereby it also serves to hold the clips properly spaced apart.

In assembling the device the clips 4 are first set in place preferably three in number and equally spaced, and the gasket 6 is slipped on over the globe flange 8 and said clips. The clips are adjusted to the notches 17 and then the screws 12 are set. The canopy is then lowered into place and is pushed down with sufficient force to overcome the resilience of the resilient arms 18 of the clips 4 which spring back into place as the globe comes to rest on the gasket 6. The reverse operation is followed in removing the canopy and said accessories.

Although but one complete specific embodiment of this invention has been herein shown and described, together with a slight modification in Fig. 7, it will be understood that numerous details of the constructions shown may be altered or omitted without departing from the spirit of this invention as defined by the following claims.

I claim:

1. A canopy open at the bottom, a support therefor having an upstanding flange part, fasteners embracing said flange part for support, said fasteners having outwardly disposed upstanding arms to receive and

support said canopy, and cushioning means to receive the bearing of said canopy.

2. A canopy, a support therefor having an upstanding flange, fasteners embracing said flange, a peripheral gasket embracing said flange and fasteners, said fasteners having outwardly disposed upstanding resilient arms to receive the lower edge of said canopy for securing the same.

3. A globe having an upstanding top flange, a plurality of fasteners secured to said flange and a canopy resting on said globe in overlapping relation to the canopy flange, said fasteners having outwardly disposed upstanding arms to embrace the lower edge of said canopy and said flange having an inwardly disposed upper edge engaged by the inner portions of said fasteners.

4. A globe having an upstanding top flange, a plurality of fasteners secured to said flange, cushioning means to receive the bearing of said fasteners on the inner side of said flange, and a canopy resting on said globe in overlapping relation to the canopy flange, said fasteners having outwardly disposed upstanding arms to embrace the lower edge of said canopy.

5. A globe having an open top with an inwardly turned flange, canopy holder clips adapted to be sprung into place on said flange, cushioning means disposed between said flange and the inner tips of said clips and screwed in said tips for setting against said cushioning means to secure said clips on said flange.

6. A canopy fastener for use on open topped globes, comprising an inwardly disposed hook part adapted to engage the top flange of the globe and an outwardly disposed upstanding resilient arm to receive the lower edge of the canopy, said inner part having a set screw to engage the globe flange whereby the fastener may be held securely in place.

Signed at Chicago this 6th day of March 1924.

HARRY E. RUTTLE.

**Certificate of Correction.**

It is hereby certified that in Letters Patent No. 1,573,580, granted February 16, 1926, upon the application of Harry E. Ruttle, of Chicago, Illinois, for an improvement in "Canopy Holders," an error appears in the printed specification requiring correction as follows: Page 2, line 82, claim 5, for the word "screwed" read *screws*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 23d day of March, A. D. 1926.

[SEAL.]

M. J. MOORE,  
*Acting Commissioner of Patents.*