H. GOODFRIEND.

SHADE HOLDER.

APPLICATION FILED APR. 26, 1912.

**1,039,519.**

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Fig. 1

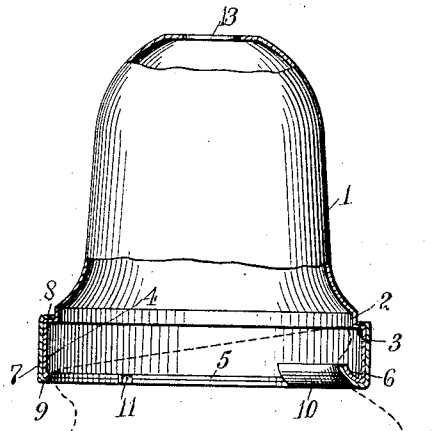



Fig. 3

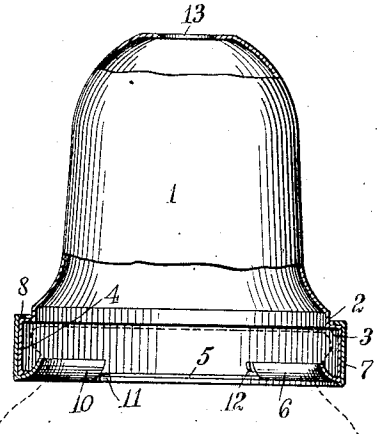



Fig. 2

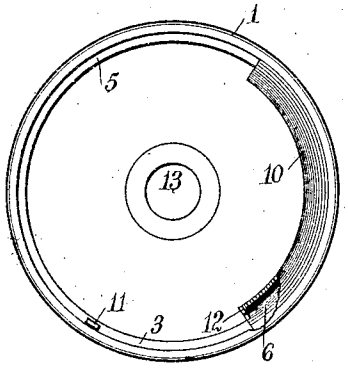
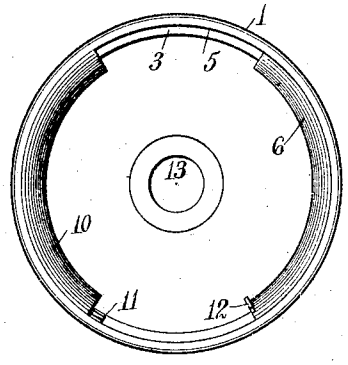



Fig. 4




WITNESSES

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## SHADE-HOLDER.

1,039,519. Specification of Letters Patent. Patented Sept. 24, 1912.

Application filed April 26, 1912. Serial No. 693,315.

*To all whom it may concern:*

Be it known that I, HENRY GOODFRIEND, a citizen of the United States, and a resident of Yonkers, in the county of Westchester and State of New York, have invented a new and Improved Shade-Holder, of which the following is a full, clear, and exact description.

My invention relates to an improvement in shade holders for incandescent and other lamps, and it embodies a construction that is designed to enable the shade to be readily and easily attached in position with reference to the lamp globe or bulb, and as readily removed therefrom in case of damage or when, for any other reason, removal is necessary.

Reference is to be had to the accompanying drawings forming a part of this specification, in which the same characters of reference indicate the same parts in all the views.

Figure 1 represents a side elevation, partly in section, showing the construction of my holder; Fig. 2 represents a bottom plan with the parts in the same position as shown in Fig. 1; Fig. 3 is a view similar to Fig. 1, showing the parts in a different position; and Fig. 4 is a bottom plan of the parts as shown in Fig. 3.

On the drawings, 1 represents the body of my shade holder, which is hollow and preferably bell-shaped. When employed in connection with incandescent electric lamps it is secured at its top to the lamp socket and adjacent its opposite end it has a cylindrical surface 2, along one edge of which is formed a shoulder 3. Beyond the shoulder 3 is another cylindrical section 4 of greater width than the surface 2, and the edge or rim of this section is spun or crimped over as shown at 5. This section is provided with a projection or guide lug 6, which is curved inward and upward toward the top of the holder, as shown in Figs. 1 and 3.

The numeral 7 represents a rotatable ring having flanges 8 and 9 which engage the shoulder 2 and the turned-over edge 5, respectively, to hold it in place upon the cylindrical section 4. This ring is mounted to rotate upon the open end or bottom of the holder, and the lower edge is provided with a lug 10 of the same angular extent and curvature as the lug 6. This lug 10 is arranged to slide over the lug 6 when the shade is to be inserted into the holder, and moved into such position afterward that the projections 6 and 10 will engage the shade on opposite sides and hold the same in place.

The movement of the ring 7 is limited in one direction by a stop 11 projecting from the crimped-over edge 5 of the shade holder 1 which abuts against one end of the projection 10 when the same is in position to engage the shade, and by a projection 12 from one end of the lug 6, which engages the other end of the projection 10 when the lug 10 is moved around into position to overlie the lug 6, to allow the shade to be inserted into the holder.

13 represents an opening in the top of the bell-shaped holder against which the end of the socket rests, and by means of which the fastening of the shade holder to the supporting structure of the lamp is facilitated; and 14 represents the shade itself shown in dotted lines in Figs. 1 and 3.

When it is desired to mount the shade in place upon a lamp, the ring 7 is turned to bring the lug 10 into position to overlie the lug 6, as shown in Figs. 1 and 2, the projection 12 engaging one end of the lug 10 and limiting the movement of the ring at this time. The shade is then inserted into the open end of the holder in the manner illustrated in dotted lines in Fig. 1, one side of the flange at the upper end of the shade being slipped over the coinciding edges of the lugs 6 and 10, so as to give the opposite side sufficient clearance to pass the adjacent portion of the flange 9 and edge 5. The ring 7 is then turned, the direction of movement being counter-clockwise with reference to Figs. 2 and 4, so as to move the lug 10 as far as is permitted by the stop 11. The lug 6 will now engage with the flange at the top of the conduit on one side, and the lug 10 with the same flange on the opposite side, and the shade will thus be held in position. To remove the shade it is only necessary to move the parts back to the position they occupy in Figs. 1 and 2, when the shade 14 can at once be taken out.

It will be seen that the projections 6 and 10 turn in toward the opening 13 in the body 1. This makes the projections engage the outer surface of the globe or shade 14 to better advantage, since it gives them a shape which approximately corresponds to the curvature of the globe or shade.

From the above description it will be seen that I have devised a simple and novel form

of shade holder which is readily adapted to serve my purpose, and by the use of it a shade can be applied to a lamp at an instant's time, and just as quickly removed whenever removal is required.

It is to be noted that while I have shown and described my invention as intended for use as a shade holder, it is by no means to be restricted to such use, but may be employed in other relations wherever there is a demand for the same. Furthermore, the holder may be attached to the lighting fixture on which it is used either in upright position, as shown, or in horizontal or inverted position, as will be readily understood.

I wish to have it understood that the description and drawings disclose but one embodiment of my invention, and that I do not care to be limited to the exact details shown and described, except in so far as is expressly indicated in the accompanying claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In a shade holder, the combination of a body having an open end, a ring rotatably carried by said open end, and projections carried by said end and said ring, said projections extending toward the opposite end of the body and being movable into and out of overlying position to enable a shade to be inserted into said holder and held therein.

2. In a shade holder, the combination of a body having an open end, a ring inclosing said body adjacent said open end and being rotatably secured thereto, and projections carried by said ring and said body, said projections extending inward toward the opposite end of the body and movable into and out of overlying position to enable a shade to be inserted into the holder and retained in place therein.

3. In a shade holder, the combination of a body, having an open end, and a ring rotatably mounted upon said body adjacent said end, said body and said ring having projections extending inward toward the opposite end of the body and being movable into and out of overlying position to permit a shade to be inserted into the open end of the body and held in place therein, said body having stops for limiting the movement of the ring.

4. In a shade holder, a body having an open end, a rotatable ring inclosing said end, said ring and said body having inward-extending lugs movable into and out of overlying position, a stop carried by one of said lugs to limit the movement of the other when the ring is moved to permit the insertion of a shade, and another stop to limit the movement of the ring after the shade has been inserted into the holder.

5. A shade holder comprising a body having an open end, said end having a cylindrical section terminating in a shoulder at one edge and having its opposite edge bent over, a ring having flanges to engage the said bent-over edge and shoulder and hold the same in place on said body, said ring being rotatably mounted on said body, and means carried by said body and said ring to engage a shade and hold the same in place.

6. In a shade holder, the combination of a body having an open end, a ring rotatably carried by said open end, and arc-shaped projections carried by said body and said ring and extending inward toward the opposite end of the body, said projections being movable into and out of overlying position to enable a shade to be inserted into said holder and held therein.

7. In a shade holder, the combination of a body having an open end, a ring rotatably carried by said body adjacent said open end, arc-shaped projections carried by said body and said ring, said projections extending inward toward the opposite end of said body and being movable into and out of overlying position to enable a shade to be inserted into said holder and held therein, and means for engaging said projections and limiting the movement of the ring, both when the projections are in overlying position and when they are in position to secure a shade to the holder.

8. In a shade holder, the combination of a body having an open end, a ring rotatably carried by said body adjacent said end, arc-shaped projections carried by said end and said ring, said projections being movable into and out of overlying position to enable a shade to be inserted into said holder and held therein, a lug carried by one of said projections to engage the other projection when the same are moved into overlying position, and another lug carried by the body to engage the other projection and limit the movement of the lugs out of overlying position.

9. A shade holder comprising a body having an open end, said end having a cylindrical section terminating in a shoulder at one edge and having its opposite edge bent over, a ring having flanges to engage the said bent-over edge and shoulder and hold the same in place on said body, said ring being rotatably mounted on said body, and arc-shaped projections carried by said body and said ring and movable into and out of overlying position to engage a shade and hold the same in place.

10. A shade holder comprising a body having an open end, said end having a cylindrical section terminating in a shoulder at one edge and having its opposite edge bent over, a ring having flanges to engage

the said bent-over edge and shoulder and hold the same in place on said body, said ring being rotatably mounted on said body, arc-shaped projections carried by said body and said ring and movable into and out of overlying position to engage a shade and hold the same in place, a lug carried by one of said arc-shaped projections, and another lug carried by said body to engage the other of said projections and limit the movement of said projections into and out of overlying position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY GOODFRIEND.

Witnesses:
SELMA ALEXANDER,
SIGMUND ZINNER.