March 18, 1930. L. C. DOANE 1,751,311

SHADE HOLDER

Original Filed May 27, 1925

FIG. 1.

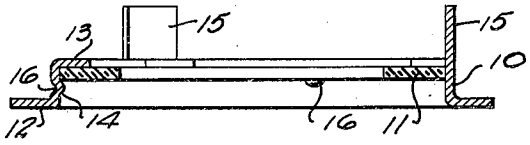


FIG. 2.

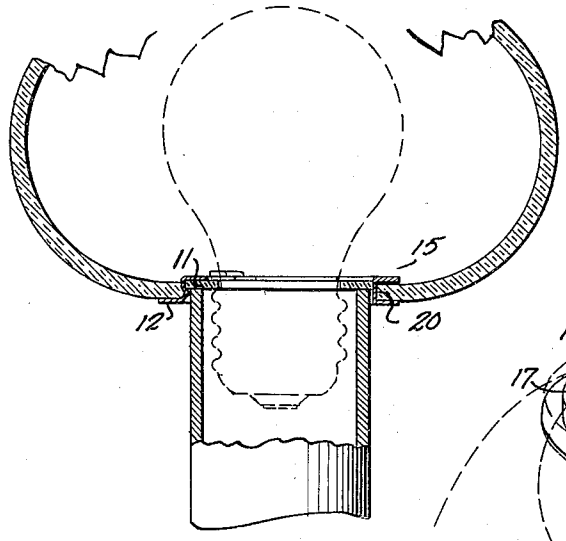


FIG. 4.

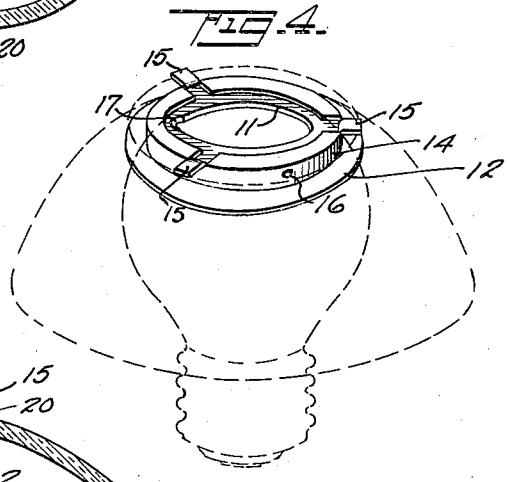
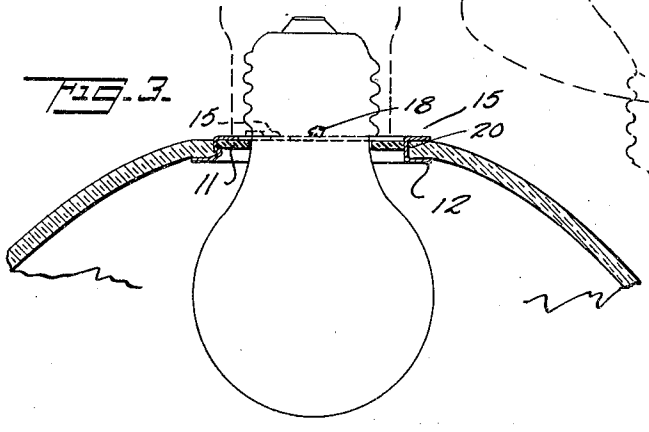


FIG. 3.



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UNITED STATES PATENT OFFICE

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SHADE HOLDER

Original application filed May 27, 1925, Serial No. 33,089. Divided and this application filed March 25, 1929. Serial No. 349,631.

The present invention relates to shade holders and is more particularly directed toward a shade holder suitable for holding a glass shade or the like from the top of an electric candle or from bare electric lamp bulbs.

The present invention contemplates a shade holder made of a sheet metal stamping which is provided with a short cylindrical portion adopted to be passed through the hole in a glass shade or the like, the stamping being provided with a flange against which one side of the shade is held by means of prongs struck out from the sheet metal and adapted to be folded over against the opposite side of the shade.

The present application is a division of my co-pending application Serial Number 33,089, filed May 27, 1925.

The accompanying drawings show, for purposes of illustrating the invention, one of the many possible embodiments in which the present invention may take form, it being understood that the drawings are illustrative of the invention, rather than limiting the same.

In these drawings:

Figure 1 is an enlarged sectional view through a shade holder;

Figure 2 is a sectional view through the shade holder showing it supporting a shade on top of an electric candle sleeve;

Figure 3 is a sectional view illustrating a shade holder and a shade supported from a dependent lamp bulb; and

Figure 4 is a perspective view of the shade holder illustrating the manner in which it may be employed to support a shade directly from an upright lamp bulb.

In the form of construction illustrated in the drawings, the shade holder consists of a sheet metal stamping 10 and an insulating disk or ring 11 made of fiber or the like. The sheet metal stamping may be of about the proportions indicated in the drawings, and, as here shown, is provided at one end with an outwardly extending flange 12 and at the other end with an inwardly extending flange 13. These flanges are separated by a short cylindrical portion 14 of the stamping. The spacing between the flanges 12 and 13 is substantially of the thickness of a lipless lamp shade.

In making the stamping, the upper or inner flange 13 is slitted to provide a plurality of spring tongues 15 which extend upwardly, approximately in line with the portion 14 of the stamping, as indicated. The stamping is also provided with a number of indentations 16 spaced sufficiently from the flange 13 to permit inserting the fiber ring 11. This fiber ring is securely held in place when pushed in past these indentations which wedge it against the flange.

The hole in this ring is sufficiently large to accommodate the base of a standard lamp bulb, and the fiber ring is provided with a notch 17 to accommodate the drop of solder 18 which is usually found on such lamp bulbs. The diameter of the hole provided by the flange 13 is greater than the hole in the insulating disk so that the metal part does not come in contact with the lamp bulb when the shade holder is in use.

The shade holder is intended for use with shades of the lipless type having a central hole about the size of the tubular portion 14 of the shade holder. The assembled shade-holder as shown in Figure 1, may be passed through the hole 20 of a shade, either from the outside as indicated in Figure 2, or from the inside as indicated in Figure 3. When it is passed through from the outside, the flange 12 is brought against the outer surface of the shade and the prongs or tongues 15 are bent over against the inside of the shade. When the device is passed into the shade from the inside, the flange 12 rests against the inner surface of the shade and the prongs or tongues 15 are against the outer surface of the shade.

Where it is desired to support a shade from the top of an electric candle sleeve, the shade and shade holder may rest on top of the candle sleeve as indicated in Figure 2. The lamp bulb may be screwed down into the socket, not shown. The insulating disk 11 will rest on the upper end of the candle sleeve.

When the shade holder is to be used on the

shade in the manner indicated in Figure 3, the lamp bulb is passed through the hole in the fiber disk 11 and the lamp screwed into the socket in the usual manner. The shade will be supported directly from the lamp bulb and the insulating fiber disk will prevent the metal parts of the shade holder from coming into contact with the live contacts of the socket of the lamp.

It is also possible to employ the shade holder in the manner indicated in Figure 4 to support a shade from the top of an upright lamp. The shade holder is assembled as indicated in Figure 3 and is placed on top of the lamp bulb. The insulating fiber disk bears on the glass and holds the shade in place.

It is obvious that the invention may be embodied in many forms and constructions within the scope of the claims, and I wish it to be understood that the particular form shown, is but one of the many forms. Various modifications and changes being possible, I do not otherwise limit myself in any way with respect thereto.

I claim:

1. A device of the kind described, comprising a metallic ring adapted to pass through a hole in a glass shade and having a flange adapted to engage one surface of the shade, a plurality of bendable tongues adapted to engage the other surface of the shade, and an inwardly extending flange, and a fiber ring of less interior diameter than the inwardly directed flange and adapted to receive the base of a lamp bulb, the fiber ring being permanently secured to the metallic ring.

2. In combination, a glass shade having an opening therein, a metallic collar having a portion adapted to pass through said opening and provided with an outwardly extending flange engageable with one surface of the shade and with bendable tongues carried by the portion which passes through the shade and adapted to be bent outwardly to engage the opposite surface of the shade, an inwardly directed flange substantially in the plane of the tongues, and a ring of insulating material held against the inwardly directed flange by metal pressed from the adjacent part of the metallic collar.

3. In a device of the kind described, the combination with a shade, of a metallic ring fitted in the top opening of said shade, said ring comprising an outwardly extending flange adapted to engage one surface of the shade, an inwardly projecting flange and a plurality of integral bendable tongues adapted to be bent into engagement with the other surface of the shade, a fiber ring held within the metallic ring and resting upon the inwardly projecting flange, and an electric lamp bulb having its threaded end passing through said rings, the fiber ring contacting with the neck of the lamp bulb.

4. A device of the kind described, comprising a metallic ring adapted to pass through a hole in a glass shade and having a flange adapted to engage one surface of the shade, a plurality of bendable tongues adapted to engage the other surface of the shade, and an inwardly extending flange, and a fiber ring of less interior diameter than the inwardly directed flange and adapted to receive the base of a lamp bulb, the fiber ring being permanently secured to the metallic ring, the fiber ring being held against the inwardly directed flange by metal pressed from the adjacent part of the metallic ring.

5. In a device of the kind described, the combination with a shade of a metallic ring fitted in the top opening of said shade, said ring comprising an outwardly extending flange adapted to engage the exterior face of the shade, an inwardly projecting flange and a plurality of integral bendable tongues adapted to be bent into engagement with the interior of the shade, a fiber ring held within the metallic ring and resting upon the inwardly projecting flange and an electric lamp having its threaded end passing through said rings, the fiber ring contacting with said electric lamp.

6. The combination with a lipless shade, of a metallic collar adapted to engage the exterior of said shade, an insulating ring held in wedging engagement with said collar, said ring having a radial notch, said collar also having bendable tongues for engagement with the interior of said shade.

Signed at Meriden, in the county of New Haven and State of Connecticut, this 21st day of March, 1929.

LEROY C. DOANE.