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SHADE HOLDER

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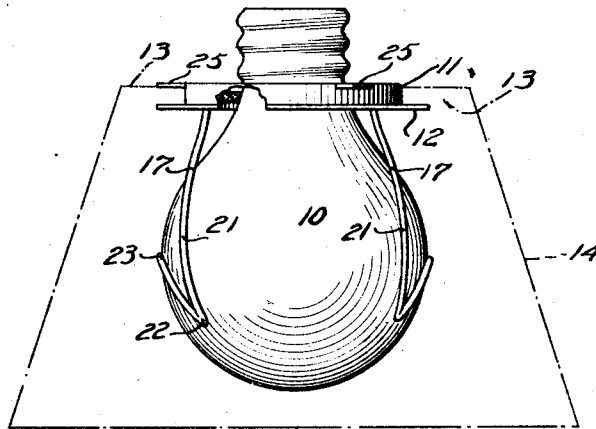


FIG. 1.

FIG. 2.

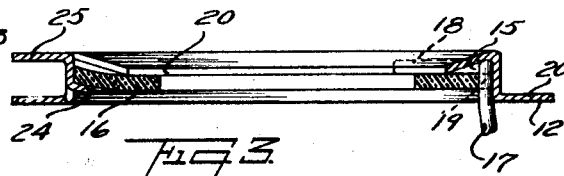
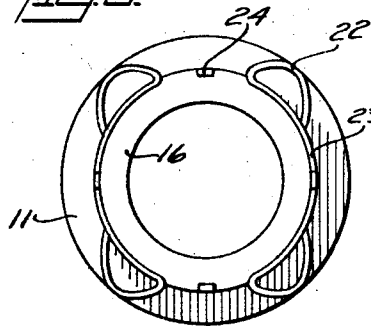


FIG. 3.

FIG. 1A.

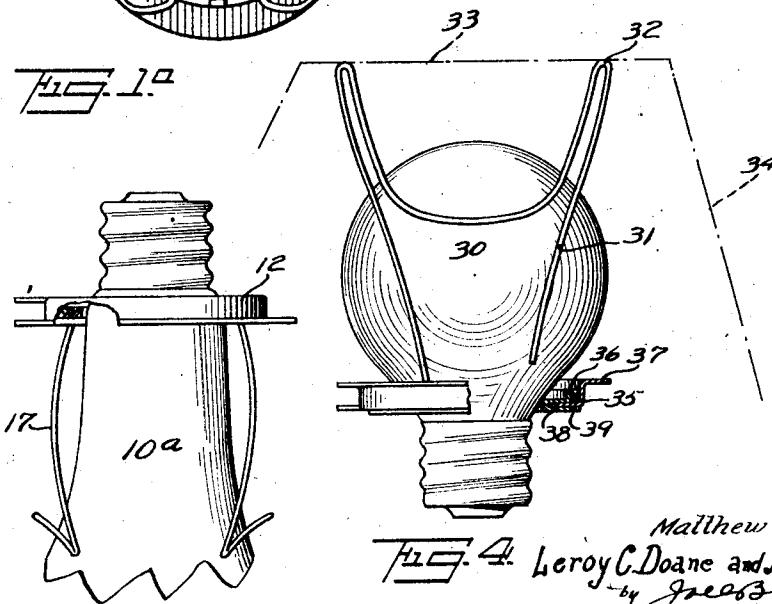


FIG. 4.

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## SHADE HOLDER.

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The present invention relates to shade holders, and is more particularly directed toward a shade holder suitable for supporting shades about electric lamp bulbs.

5 The present invention contemplates a shade holder made out of a small number of easily constructed parts which may be readily assembled and which when in position about the lamp will readily support a  
10 shade from the bulb.

An object of the present invention is to provide a shade holder of the above nature which is readily adapted for use on the various sizes of lamps employed in lighting fixtures, and which may be used on fixtures  
15 wherein no provisions for supporting shades were made when the fixtures were originally constructed.

Another object of the invention is to provide an improved shade holder which employs resilient spring fingers anchored in a ring and engageable with a lamp bulb for supporting the ring as well as a shade which  
20 may be carried on the ring.

25 Another object of the invention is to provide a shade holder having a ring adapted to surround the base or neck of the lamp bulb and carrying wire arms anchored therein and projecting away from the ring to engage with the lamp bulb.

30 The sizes of the parts are preferably so selected that the ring may pass onto the neck of the glass bulb a sufficient distance to be out of the way of the socket. The arms are  
35 of the length and shape to clasp the smaller sized bulbs, such as 25 watt lamps, and draw the ring against the glass. When used with the larger sized lamps, the springs are spread by the tapering part of the bulb and force the ring upwardly along the neck  
40 of the bulb to bring it about the socket or against the socket cover or other ornamental piece used.

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

50 In these drawings:

supporting a shade about a small sized depending lamp bulb;

Figure 1<sup>a</sup> is a similar view showing the  
55 shade holder used on a larger sized lamp;

Figure 2 is an inverted plan view of the shade holder;

Figure 3 is a sectional view of the ring of the shade holder on an enlarged scale; and  
60

Figure 4 illustrates a modified form of shade holder for supporting a shade about an upright lamp bulb.

The use of the shade holder on a depending lamp bulb is illustrated in Figures 1 and  
65 1<sup>a</sup>. This bulb may be of widely varying size and style, but the holder to be described is one which will fit many styles and sizes of lamp bulbs. Figure 1 shows it applied to a small (25 watt) bulb 10, while  
70 Figure 1<sup>a</sup> shows it applied to a large (60 watt) bulb 10<sup>a</sup>, both of conventional outline.

As here shown, the outer, or shade holding ring 11 may be in the form of a sheet metal stamping having in outwardly directed  
75 peripheral flange 12 which supports the upper end 13 of a shade 14 of glass, parchment, fabric, or other material. This shade holding ring 11 has a shallow inverted recess 15 to receive a locking ring 16, here shown  
80 as being made of fire proof insulating material such as asbestos. This ring is of such diameter that it will permit passing the base or neck of the lamp bulb through it. A pair of bent wire bulb engaging members  
85 or fingers 17 are fastened to the ring. The upper ends or feet 18 of these members pass through notches 19 in the ring 16 and are carried between the ring 16 and the upper inwardly directed flange 20 of the shade  
90 holding ring, the fingers are bent to an arch-shape so as to lie alongside the wall of the recess 15. Each of the fingers may be made out of a length of spring steel wire. They are curved as indicated at 21 to pass down  
95 about the bulb of the lamp and are each provided with a pair of finger tips 22 adapted to engage the glass, the finger tips being interconnected by a curved wire portion 23 to seize the lamp bulb and prevent the spreading of the finger tips of the pair. The ring  
100 16 may be held in place by a number of prongs 24 struck out of material of ring 11 and folded back against the lower side of

the ring 16. Prongs 25 on the outer ring 11 may be bent outwardly as indicated to lock the upper end of the shade onto the shade holding ring.

5 Shade holders constructed as above described are well suited for supporting shades from depending lamp bulbs. The dimensions of the parts may be so chosen that the same shade holder may be used on lamp  
10 bulbs of widely different sizes. In all cases, the shade will be supported wholly and entirely from the bulb, and will be held close up to the socket or whatever ornamental piece, such as a socket cover, as is provided  
15 on the fixture. In mounting shadeholders of this character, the shade and holder are placed in position about the lamp bulb and then the lamp bulb is screwed into the socket thereby fastening the parts in place.

20 Figure 4 shows a modified form of shade holder more particularly designed for supporting shades about upright lamps. Here the lamp bulb is indicated at 30 and, instead of using short wire members merely designed to grip the lamp bulb, one here employs long wire members 31 which are adapted  
25 to pass up above the top of the lamp bulb. They are shaped to engage the bulb in the same manner as the fingers of Figure 1 and their upper ends are suitably bent, as indicated at 32, to engage the upper part  
30 of a conventional shade 34. While the wires 31 may be supported from a ring identical with that shown in Figures 1 to 3, inclusive, they are here shown as being carried from a slightly different form of ring. As here shown, the lower ends 35 of the  
35 wires 31 are carried underneath a sheet metal locking ring 36 which is fastened into a stamping 37 shaped the same as the shade holding ring 11 of the Figure 1. The locking ring 36 has notches to receive the ends of the wire members 31, and is secured in  
40 place by being bent back onto the inner flange 38 of the ring 37 as indicated at 39.

It will be understood that the all metal shade holder ring indicated in Figure 4 and the ring shown in Figure 1 are interchangeable and that either form of bulb engaging spring members may be supported  
50 from either form of ring.

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

60 What is claimed is:

1. A shade holder cooperative with an incandescent lamp for supporting a shade therefrom, comprising, an outer ring having  
65 an inwardly directed flange having an aperture larger than the lamp base, an inner ring

carried inside the outer ring, the hole in the inner ring being slightly larger than the lamp base so that the lamp base may be passed through said inner ring, bent wire supporting members having portions carried  
70 between the flange and the inner ring and means for fastening the two rings together, the wire members being capable of being spread by the bulb portion of the lamp.

2. A shade holder cooperative with an incandescent lamp for supporting a shade therefrom, comprising, an outer ring having  
75 an inwardly directed flange having an aperture larger than the lamp base, an inner ring carried inside the outer ring, the hole in the inner ring being slightly larger than the lamp base so that the lamp base may be passed through said inner ring, bent wire  
80 supporting members, said members passing through notches in the periphery of the inner ring and having arc-shaped end portions between the inner ring and the flange, and means for fastening the rings together, the  
85 wire members being capable of being spread by the bulb portion of the lamp.

3. A shade holder cooperative with an incandescent lamp for supporting a shade therefrom, comprising, an outer ring having  
90 an inwardly directed flange having an aperture larger than the lamp base, an inner ring carried inside the outer ring, the hole in the inner ring being slightly larger than the lamp base so that the lamp base may be passed through said inner ring, a pair of  
95 bent wire supporting members, each of said members passing through notches in the periphery of the inner ring and having arc-shaped end portions between the inner ring and the flange, the portions of each of said  
100 members remote from the rings being in the form of spaced fingers adapted to resiliently grip a lamp bulb, and means for fastening the rings together.

4. A shade holder cooperative with an incandescent lamp for supporting a shade therefrom, comprising, an outer ring having  
105 an inwardly directed flange having an aperture larger than the lamp base, an inner ring carried inside the outer ring, the hole in the inner ring being slightly larger than the lamp base so that the lamp base may be passed through said inner ring, bent wire  
110 supporting members, said members passing through notches in the periphery of the inner ring and having arc-shaped end portions between the inner ring and the flange, and means for fastening the rings together, the wire members being capable of being  
115 spread by the bulb portion of the lamp, said outer ring having an outwardly directed flange adapted to support a shade.

5. A shade holder cooperative with an incandescent lamp for supporting a shade therefrom, comprising, an outer ring having  
120  
125  
130

an inwardly directed flange having an aperture larger than the lamp base, an inner ring carried inside the outer ring, the hole in the inner ring being slightly larger than the lamp base so that the lamp base may be passed through said inner ring, bent wire supporting members, each of said members passing through notches in the periphery of the inner ring and having arc-shaped end portions between the inner ring and the flange, the portions of each of said members remote from the rings being in the form of spaced fingers adapted to resiliently grip a lamp bulb, and means for fastening the rings together, said outer ring having an outwardly directed flange adapted to support a shade.

6. A shade holder, comprising, a pair of thin, flat rings fastened together, one inside the other, the rings being adapted to receive a lamp base or neck and permit fastening the lamp base in a lamp socket, bulb engaging spring fingers of bent wire for supporting the holder from the fingers, the ends of the fingers being carried between the rings.

7. A shade holder, comprising, a shade holding ring, an inner ring mounted therein,

the rings being adapted to receive a lamp base or neck and permit fastening the lamp base in a lamp socket, and bulb engaging spring fingers having feet which are mounted between the rings and finger portions engageable with various sized bulbs to hold the rings in place about the neck of the bulb and against the body of the bulb.

8. A shade holder comprising two oppositely disposed bulb engaging spring fingers, each adapted to engage the bulb at widely separated points, the fingers each having arc-shaped feet, a ring having a flange, and a locking ring fastened to the first ring, the feet being clamped between the rings.

Signed at Cleveland, in the county of Cuyahoga, and State of Ohio, this 13th day of October, 1926.

MATTHEW LUCKIESH.

Signed at Meriden, in the county of New Haven, and State of Connecticut, this 22d day of October, 1926.

LEROY C. DOANE.

Signed at Cleveland, in the county of Cuyahoga, and State of Ohio, this 11th day of October, 1926.

ARTHUR MILLER.