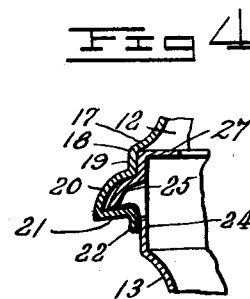
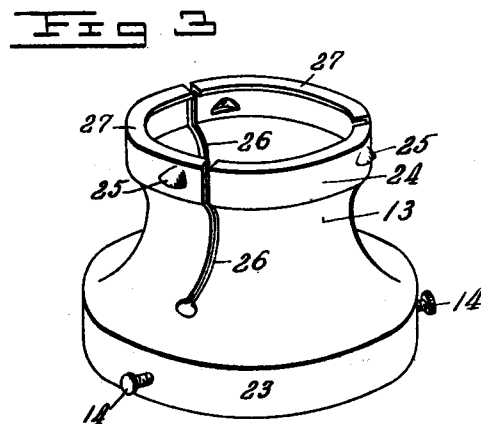
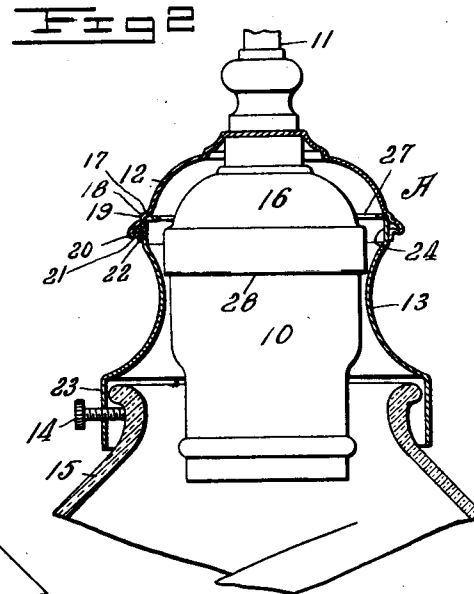
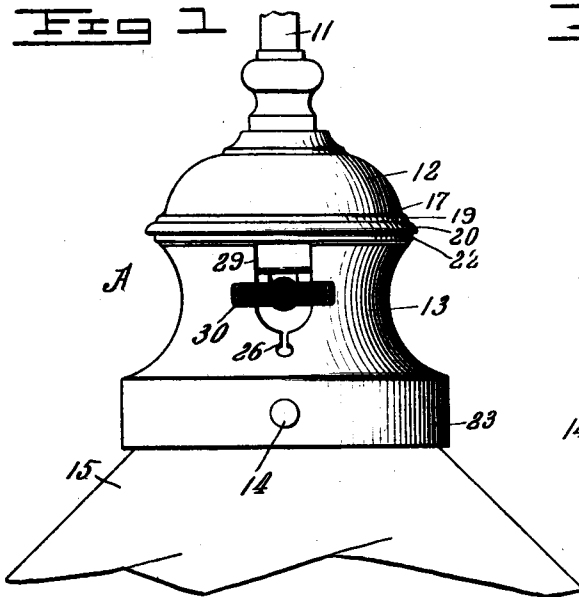


C. W. LUCAS.
 COMBINED SOCKET COVER AND SHADE HOLDER.
 APPLICATION FILED APR. 17, 1912.

1,033,427.

Patented July 23, 1912.



Inventor
 Clarence W. Lucas

Witnesses
 H. B. Roberts
 A. H. Hainingworth

By *Lucas, Cushman & Co*
 Attorney

UNITED STATES PATENT OFFICE.

CLARENCE W. LUCAS, OF DECATUR, ILLINOIS, ASSIGNOR TO FARIES MANUFACTURING COMPANY, OF DECATUR, ILLINOIS, A CORPORATION OF ILLINOIS.

COMBINED SOCKET-COVER AND SHADE-HOLDER.

1,033,427.

Specification of Letters Patent.

Patented July 23, 1912.

Application filed April 17, 1912. Serial No. 691,287.

To all whom it may concern:

Be it known that I, CLARENCE W. LUCAS, a citizen of the United States, residing at Decatur, in the county of Macon and State of Illinois, have invented new and useful Improvements in Combined Socket-Covers and Shade-Holders, of which the following is a specification.

This invention relates to a socket cover and shade holder for incandescent electric lights, and has for its object to provide a neat and ornamental attachment for electric light fixtures which shall be simple, inexpensive and attractive to the eye, and capable of holding a shade with great steadiness on an electrolier or other electric lamp supporting bracket.

The socket cover and shade holder of the present invention comprises two separable parts, one part being normally secured to the bracket by the lamp socket and partly covering the top of the same, and the other part capable of attachment to and detachment from the fixed part and inclosing the body of socket. Each of the parts of the shade holder is made of a single piece of metal pressed, spun or otherwise formed complete with integral fastening means so that no movable or attached parts, such as screws, bolts, springs and the like, which may be lost or worn, are required. The simplicity of construction and the firmness and rigidity of the separable connection between the parts are notable features of the invention. Furthermore, because the lower edge of the cap or upper part of the shade holder lies above the point of separation between the body of the lamp socket and its top, the electric current wires can be connected to the switch in the socket without trouble.

In the accompanying drawing Figure 1 is an elevation of the improved socket cover and shade holder in position; Fig. 2 is a sectional view of the same; Fig. 3 is a perspective view of the shade holder removed; Fig. 4 is an enlarged sectional view of a detail of the invention.

In the drawing wherein like reference characters are used for the same parts in all the figures, 10 indicates an incandescent electric lamp socket, of any known type, secured on an arm 11 of an electrolier or other fixture.

Surrounding the socket 10, and inclosing

the same, is the novel socket cover and shade holder A, made in this instance in two parts, a cap 12 fixed in place on the arm 11, and a skirt 13 removably connected to the cap and provided with fastening means, such as screws, 14 for attaching a shade 15 of any suitable type to the bottom of the skirt or shade holder, as shown. The cap 12 is here shown in the shape of a dome with a central hole through which the threaded end of the bracket arm 11 extends for the attachment thereto of the top 16 of the lamp socket which screws on said threaded end and holds the cap firmly in place. Near its lower edge, the cap is given a short outward curve 17 and then bent downwardly at a sharp angle 18 to form a straight concentric band 19 at the base of which is an outwardly curved bead 20 turned inwardly at the bottom to form a shoulder 21 for supporting the shade or skirt 13 in a manner to be described later. The shoulder 21 which has, preferably, a slight upward inclination, see Fig. 4, may terminate with a downwardly projecting flange 22 in line with the straight concentric band 19, which flange serves to stiffen the shoulder and prevent deformation thereof when the cap is made, as it usually is, of sheet metal, and in connection with the band it forms a guide for the upper end of the skirt when the latter is positioned therein.

The shade holder proper or skirt 13 is made preferably of thin resilient sheet metal in any suitable or desirable form with depending means 23, which may be a flange, to receive screws 14 or other holding devices for fastening the shade 15 to the shade holder. At the top of the shade holder 13 is a cylindrical portion 24 of such diameter and length as to fit neatly within the shoulder 21 of the cap or its flange 22 and the straight band 19, and is provided on its peripheral surface with one or more studs 25 to engage over said shoulder and sustain the shade holder when inserted in the cap 12. Close to each stud 25 the cylindrical portion 24 is slotted, which slots 26 extend downwardly through the body of the skirt nearly to the flange 23 and divide the parts so slotted into spring sections, on each of which is a stud 25. The upper edge of the cylindrical portion 24 is protected and stiffened by an inturned flange 27. It has been found

advantageous and convenient to widen one of the slots 26, as shown at 29, for the passage therethrough of the lamp-switch key 30.

Assuming that the cap 12 and the lamp socket 10 are in place on the arm 11, the skirt or shade holder 13 is attached to the cap by inserting the cylindrical portion 24 of said skirt into the open bottom of the cap. The studs 25 which are beveled on their upper surface, and which are preferably formed by pressing out the material of the cylindrical portion, engage the edge of the shoulder 21 or its flange 22 and are forced inward thereby, the spring sections on which they are mounted yielding to permit this. As soon as the studs pass above the shoulder, the sections react to carry the slightly inclined lower sides of the studs over said shoulder and thus lock the skirt in place by a hook-like connection, said sections bearing with a spring pressure against the shoulder or its flange and the straight band 19 and at their tops within the corner formed by the sharp angle 18. The upper part or cylindrical portion 24 of the skirt fitting snugly within the sharp corner 18 of the cap and retained therein by the lugs 25 holds the skirt rigidly in place in the cap and always symmetrically positioned about the lamp. The top edge of the skirt bearing against the part 17 of the cap prevents the skirt from rocking or wobbling or getting displaced, the shade therefore supported by the skirt will always be in position, whether it be hung straight downward or at an angle, as its weight cannot dislodge it. Nor can the skirt be withdrawn from the cap by a direct pull owing to the hook-like action of the stud. The shade holder or skirt may be disconnected from the cap by pressing inwardly on one of the sections until the stud on said section is disengaged from the shoulder when a downward pull on the skirt disconnects the parts.

It is to be noted that the bottom of the cap 12 is above the point of connection 28 between the body of the lamp socket 10 and its top 16 so that no difficulty will be encountered in connecting the lead in wires to the switch in the lamp body, notwithstanding the fact that the lamp socket is inclosed within the shade holder.

The slots 26 besides serving the purpose described are also ventilating openings to

permit the escape of heated air between the lamp bulb and the shade and shade holder.

What I claim is:

1. A shade holder comprising a cap adapted to be attached to a support having a circular band and a terminal flange connected by a bead at its open end, a skirt having its upper end slotted to form spring sections shaped to fit snugly within the band and flange, and a lug on each section to engage said bead and hold the skirt in position.

2. A shade holder comprising a cap adapted to be rigidly attached to a support and having a bearing surface at its free edge, and an inturned hook-shaped shoulder projecting inwardly from said bearing surface, a skirt having a cylindrical upper portion fitting neatly within the bearing surface of the cap, and locking lugs on the skirt adapted to engage the shoulder on the cap.

3. A shade holder comprising a cap adapted to be attached to a support and having a bearing surface on its free edge, an inturned hook-shaped shoulder projecting inwardly from said bearing surface, and a bearing corner, a removable skirt having a cylindrical extension on its upper end adapted to fit snugly within the bearing surface of the cap, said cylindrical portion and the body of the skirt being slotted to form spring sections, and a lug projecting from the cylindrical portion adjacent each slot to engage the shoulder in the cap and lock the skirt securely in place, one of said slots being enlarged to permit passage of the lamp socket key.

4. A shade holder comprising a cap adapted to be rigidly attached to a support and having a bearing surface at its free edge, an inturned hook-shaped shoulder projecting inwardly from said bearing surface, and a bearing corner, a skirt having a cylindrical upper portion fitting neatly within the bearing surface of the cap and against said corner, and spring actuated locking lugs on the skirt adapted to engage the shoulder on the cap.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CLARENCE W. LUCAS.

Witnesses:

E. L. STOUTENBOROUGH,
C. J. VAN DEVENTER, Jr.