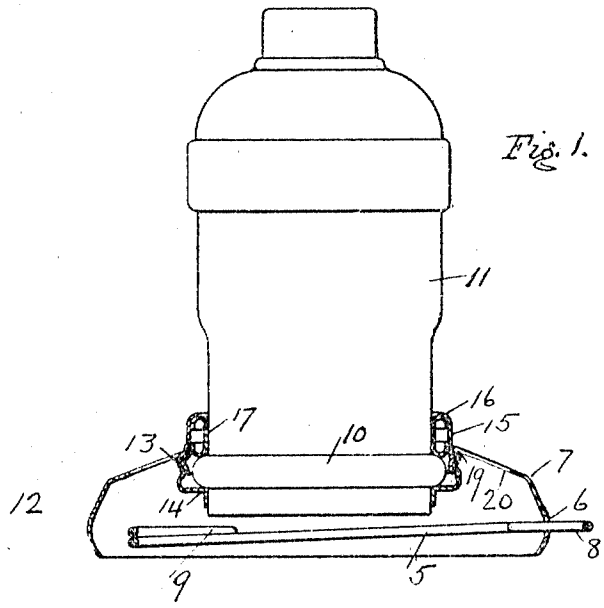
G. B. THOMAS.

SHADE HOLDER.

APPLICATION FILED OCT. 25, 1911.

1,012,297. Patented Dec. 19, 1911.

Fig. 1.



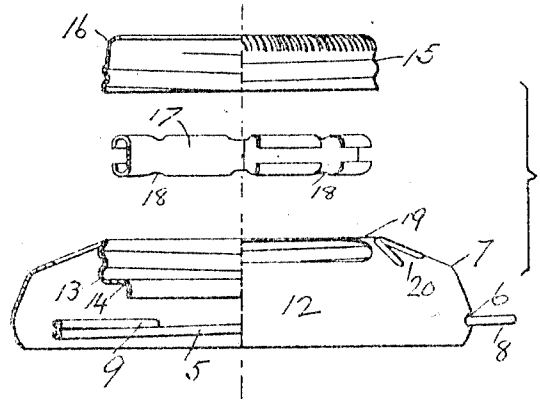
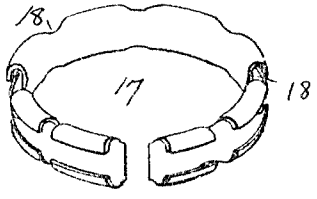


Fig. 2.

Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE B. THOMAS, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BRYANT ELECTRIC COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

SHADE-HOLDER.

1,012,297. Specification of Letters Patent. Patented Dec. 19, 1911.

Application filed October 25, 1911. Serial No. 656,769.

To all whom it may concern:

Be it known that I, GEORGE B. THOMAS, a citizen of the United States of America, and residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented a certain new and Improved Shade-Holder, of which the following is a specification.

My invention relates to shade or globe holders and particularly to means for securing the holder to its support, the object of my invention being to provide a simple, efficient and inconspicuous device for securing the holder on a lamp socket or other support to which it may be desired to secure the same.

In the accompanying drawing, Figure 1 is a vertical section of a shade holder mounted on a lamp socket; Fig. 2 is an elevation of the shade holder parts detached and in position for mounting upon the support; and Fig. 3 is a perspective of the split ring.

The shade or globe supporting means carried by the holder forms no part of my invention and may be of any suitable character. A spring gripping ring 5, supported in slots 6 in the peripheral flange 7 of the holder is here shown by way of example, and is operated in well understood manner, by pressing the spring ends 8 and 9 toward each other to expand the loop or ring 5 and then permitting them to separate again, thereby contracting the ring around the neck of the inserted shade or globe.

My invention resides in novel means provided for locking the shade holder to its support, such for example as the bead 10 adjacent the lamp-receiving end of a lamp socket 11.

In the particular form illustrated, which obviously may be variously modified, the shade holder 12 is provided with a threaded central collar 13 with inwardly projecting shoulder or abutment 14 at its lower edge. The diameter of this shoulder is such that while it may be passed over the lamp receiving end of the socket, the bead 10 on the latter is engaged by said shoulder 14. The collar 13 is preferably depressed below the upper surface of the holder so that when the latter is installed, said collar is concealed from view. When so depressed, this collar is internally screw threaded to receive the coöperating threaded sleeve 15. The latter is of greater diameter than the bead 10, as is likewise the inturned flange 16 at the upper edge thereof, so that this sleeve may be passed over the lamp receiving end of the socket to a point above the bead 10. The locking means is completed by a split ring 17 of any desired form, which may be adjusted above the bead 10, so that when the sleeve 15 is brought down and screwed into the collar 13, the flange 16 on the sleeve engages said ring and thus bears, through the interposition of the latter, against the upper side of the bead 10 on the lamp socket. This split ring in the particular form shown is made from thin sheet metal, the edges of which are inturned, scallops 18 being cut at intervals in said edges to facilitate the adjustment of the ring. This form of ring is particularly valuable in a device of the present character, since it reduces weight. Furthermore it enables the bearing surfaces to be spaced apart a considerable distance, viz. the width of the ring band. A solid ring of the necessary thickness would not only be heavy but costly as well.

While I have shown the collar 13 formed as an independent piece soldered at 19 to the arms 20 of the shade holder body, obviously the parts may be made integral and spun to shape in well known manner.

The method of mounting the holder on its support is obvious. Having passed the sleeve 15 over the lamp receiving end of the socket to a point above the bead 10, the split ring 17 is snapped into position above the bead, and the collar 13 shoved up over the end of the socket until the shoulder 14 engages the lower face of the bead 10. The sleeve 15 is then screwed down into the collar until the bead is gripped sufficiently securely between the shoulder 14 and the flange 15, (through the split ring 17) to hold the parts rigidly together.

I claim as my invention:—

1. A shade holder having a threaded collar with abutment shoulder at its lower edge to engage the lower side of a supporting bead, in combination with a coöperating screw sleeve with abutment flange at its upper edge adapted to be passed over to the upper side of said bead together with a split ring adjustable above the upper side of said bead to form an interposed bearing between the flange on said sleeve and the upper side

of said bead when said coöperating sleeve and collar are screwed together.

2. A shade holder having a depressed internally threaded collar with inwardly projecting abutment shoulder at its lower edge to engage the lower side of a supporting bead, in combination with a coöperating externally threaded sleeve with inwardly projecting flange at its upper edge to be passed over to the upper side of said supporting bead, together with a split ring adjustable above the upper side of said bead to form an interposed bearing between the flange on said sleeve and the upper side of said bead when said coöperating sleeve and collar are screwed together.

3. A shade holder comprising a body portion with depending peripheral flange, shade holder carrying means supported by said flange, a threaded central collar lying below the upper level of said shade holder body, an abutment on said collar to engage the lower edge of a supporting bead, a cooperating screw sleeve with inwardly projecting flange adapted to be passed over to the upper side of said bead, together with a split ring adjustable above the upper side of said bead to form an interposed bearing between the flange on said sleeve and the upper side of said bead when said coöperating sleeve and collar are screwed together.

4. A shade holder comprising a body portion with depending peripheral flange, shade holder carrying means supported by said flange, a threaded central collar depending from the upper face of said shade holder and an abutment shoulder projecting inwardly from the lower edge thereof to engage the lower side of a supporting bead, in combination with a coöperating screw sleeve with inwardly projecting flange at its upper edge adapted to be passed over to the upper side of said bead, together with a split ring adjustable above the upper side of said bead to form an interposed bearing between the flange on said sleeve and the upper side of said bead when said coöperating sleeve and collar are screwed together.

5. A shade holder comprising coöperating abutment members adjustable respectively above and below a supporting bead, in combination with a split ring adapted to be interposed between said bead and one of said abutment members, said ring comprising a strip of sheet metal with its edges rolled over, substantially as described.

6. A shade holder comprising coöperating abutment members adjustable respectively above and below a supporting bead, in combination with a split ring adapted to be interposed between said bead and one of said abutment members, said ring comprising a strip of sheet metal with its edges scalloped and rolled over, substantially as described.

7. A shade holder comprising coöperating abutment members adjustable respectively above and below a supporting bead, in combination with a split ring adapted to be interposed between said bead and one of said abutment members, said ring comprising a strip of sheet metal with its edges rolled over and spaced apart, substantially as described.

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

GEORGE B. THOMAS.

Witnesses:
G. W. GOODRIDGE,
H. M. WICHERT.