

A. C. RECKER.
 SHADE HOLDER FOR ELECTRIC LAMPS.
 APPLICATION FILED MAY 1, 1911.

997,006.

Patented July 4, 1911.

Fig. 1.

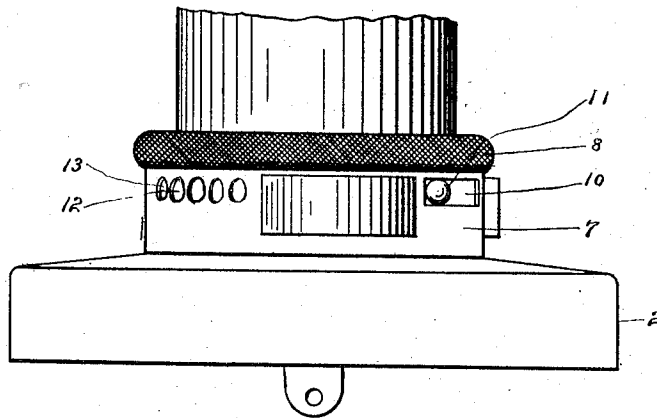


Fig. 2.

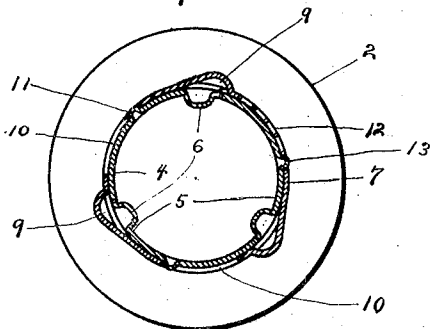


Fig. 3.

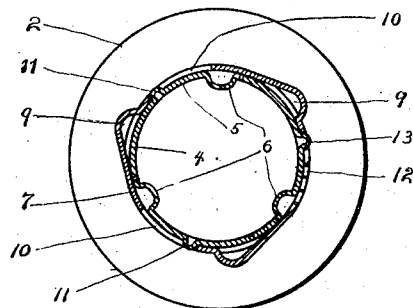


Fig. 4.

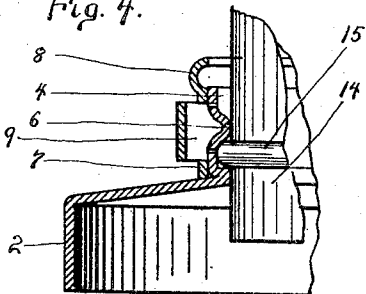


Fig. 6.

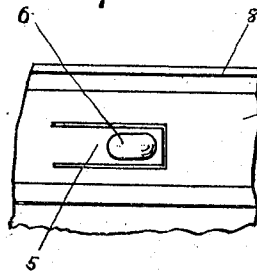
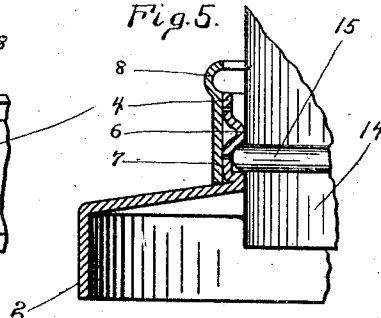


Fig. 5.



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UNITED STATES PATENT OFFICE.

ADOLPH C. RECKER, OF OAKVILLE, CONNECTICUT, ASSIGNOR TO WATERBURY MFG. CO., OF WATERBURY, CONNECTICUT, A CORPORATION.

SHADE-HOLDER FOR ELECTRIC LAMPS.

997,006.

Specification of Letters Patent.

Patented July 4, 1911.

Application filed May 1, 1911. Serial No. 624,491.

To all whom it may concern:

Be it known that I, ADOLPH C. RECKER, a citizen of the United States, residing at Oakville, in the county of Litchfield and State of Connecticut, have invented a new and useful Improvement in Shade-Holders for Electric Lamps; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view on an enlarged scale of a shade holder constructed in accordance with my invention, and shown as applied to the lower end of an incandescent lamp socket. Fig. 2 a transverse sectional view showing the shade holder as in position for attachment to a lamp socket. Fig. 3 a similar view showing the shade holder in position when locked to a lamp socket. Fig. 4 a vertical sectional view through one of the chambers in the locking ring, showing the parts ready for attachment to the lamp socket. Fig. 5 a similar view with the collar turned to interlock the shade-holder with the socket. Fig. 6 a broken inside view of the sleeve.

This invention relates to an improvement in shade holders for incandescent lamps and is an improvement on the shade holder shown and described in Letters Patent of the United States No. 979,793 granted December 27, 1910, to Waterbury Manufacturing Co. as assignee of W. H. Perkins. The shade holder of said patent consisted of a flange or skirt provided with shade-fastening devices, and with an upwardly extending coupling-sleeve formed with a plurality of spring arms each formed with an inwardly projecting locking lug and a locking ring encircling said sleeve and having a clearance slot for each of the said spring arms.

The object of this invention is to form the locking ring with chambers or recesses into which lugs on the sleeve may extend, to provide means for holding the ring with the sleeve and for locking the sleeve against rotation; and the invention consists in the construction hereinafter described and particularly recited in the claim.

In carrying out my invention the shade holder consists of a flange or skirt 2 pro-

vided with shade-fastening devices 3 in the usual manner, and with an upwardly extending sleeve 4 smaller in diameter than the diameter of the flange 2 formed with a plurality of concentric spring-arms 5, preferably three in number, and each formed at its outer end with an inwardly projecting locking lug 6. Around the collar is a locking-ring 7 formed at its upper end with a knurled band 8 by which it may be conveniently turned. At three points corresponding to the number of spring arms 5 the ring 7 is cut and struck outward forming chambers 9 into which the ends of the arm may be sprung when the chambers are turned into line with them. The locking-ring is also formed with two annular slots 10 to receive projections 11 struck outward from the sleeve which projections extending into the slots in the collar interlock the collar with the sleeve and limit the extent of the rotary movement of the collar on the sleeve. The collar is also formed on one side with a series of round perforations 12, and the sleeve with a nib 13 to engage therewith and so as to lock the collar with the sleeve. When the collar is turned on the sleeve so that the lugs 6 are in line with the chambers 9, the lugs may be sprung into the chambers and permit the shade holder to be placed over the lower end of an incandescent lamp socket 14 which is provided with the usual annular rib 15. When in place the collar 8 is rotated on the sleeve and this rotation of the collar crowds or holds the lugs 6 outward and against the surface of the socket above the rib 15 thus interlocking the shade holder with the socket, and when thus turned the nib 13 will engage with one of the perforations 12 and prevent the collar from being accidentally turned. In other words, the collar is interlocked with the sleeve. To remove the shade holder the collar is turned again to bring the chambers 9 into line with the lugs 6 which will spring into them, as the shade holder is withdrawn from the end of the socket.

I claim:—

A shade holder comprising a flange provided with shade-fastening devices and having an upwardly extending sleeve, said sleeve formed with a plurality of concentric spring arms each of which is formed at its outer end with an inwardly projecting locking lug, and a locking-ring encircling said

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sleeve and formed at points corresponding to the location of the lugs with chambers into which said lugs may extend, said ring also formed with slots and perforated, and the sleeve with projections and a nib adapted respectively to extend into said slots and perforations.

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

ADOLPH C. RECKER.

Witnesses:

RAYMOND O. PALMER,
B. F. MORRIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."