

L. J. ATWOOD.
Holder for Lamps.

No. 47,913.

Patented May 30, 1865.

FIG. 1

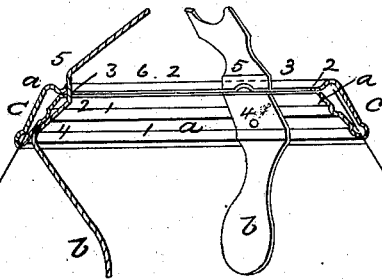


FIG. 2

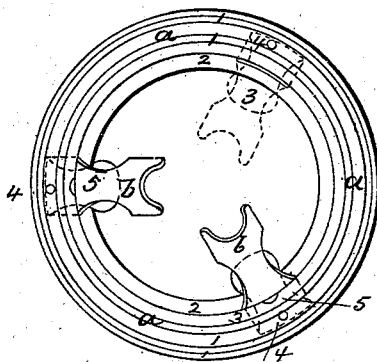
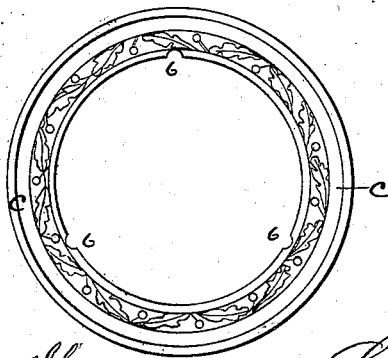


FIG. 3



WITNESSES

Joseph A. Bunnell
Edward H. Hanson

INVENTOR

L. J. Atwood

UNITED STATES PATENT OFFICE.

LEWIS J. ATWOOD, OF WATERBURY, CONNECTICUT.

IMPROVED SHADE-HOLDER FOR LAMPS.

Specification forming part of Letters Patent No. 47,913, dated May 30, 1865.

To all whom it may concern:

Be it known that I, LEWIS J. ATWOOD, of Waterbury, in the county of New Haven and State of Connecticut, have invented, made, and applied to use a certain new and useful Improvement in Holders for Lamp-Shades; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a section of the shade-holder. Fig. 2 is a plan of the same with the external ring removed, and Fig. 3 is a plan of said external ring.

Similar marks of reference denote the same parts.

Lamp-shade holders have heretofore been made with lips that hold the paper shade to the metal ring or holder, and double rings or conical holders have been made to take the smaller end of the paper shade, and springs made and secured in a variety of ways have been employed, extending from the ring to the chimney. It is important that these metal holders should be light, both on account of the cost, and also to prevent the shade being charred by the heat conducted to the ring by the springs.

The nature of my said invention consists of a ring for a shade-holder, formed of thin sheet metal, with corrugations running around it to impart the requisite stiffness, and with mortises near the edge of the opening in the ring, through which the springs pass and are retained by rivets or eyelets formed in the metal. Said mortises prevent the springs becoming disconnected from the ring, even when bent to accommodate any given size of shade or chimney. The paper shade is kept to the aforesaid ring by an external ring held down by projections upon the springs.

In the drawings, *a* is a ring formed as a truncated cone of thin sheet metal, with semi-

circular corrugations 1 1 running around it to increase the stiffness, and with a flange, 2, at the upper and inner edge, through which mortises are cut, as at 3 3, to pass the springs *b b*. These springs are formed of the proper shape, and are secured to the ring *a* by a rivet at 4; or a hole may be formed in the spring *b* and the sheet metal of the ring *a* pressed thereinto similarly to an eyelet.

A projection is pressed outward on the springs *b* slightly above the flange 2, as seen at 5; and *c* is the outer ring, formed of thin sheet metal sitting at its inner edge under these projections 5, and being held down by them so as to clamp the paper shade. (See red lines, Fig. 1.)

Small notches are provided at 6 6 in the inner edge of the ring *c*, to allow said ring to be passed over the projections 5 5, after which a partial rotation slides the edge of the said ring *c* beneath these projections to hold the paper shade. The reverse movement will allow the ring to be taken off and the shade removed, so that the holder can be easily and quickly applied to a new paper shade.

What I claim, and desire to secure by Letters Patent, is—

1. The combination of mortises and rivets or eyelets with the springs for securing the latter to the ring, as set forth.

2. In combination with the springs for holding the lamp-shade upon the chimney, the ring formed of thin sheet metal stiffened by corrugations running around it, for the purposes and as specified.

3. Securing the exterior ring by projections from the springs, in the manner set forth.

In witness whereof I have hereunto set my signature this 1st day of March, 1865.

L. J. ATWOOD.

Witnesses:

JOSEPH A. BUNNELL,
EDWARD H. MUNSON.