

H. D'OLIER, JR.
SHADE ATTACHMENT.
APPLICATION FILED AUG. 8, 1907.

Patented Mar. 8, 1910.

951,269.

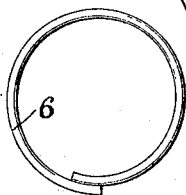
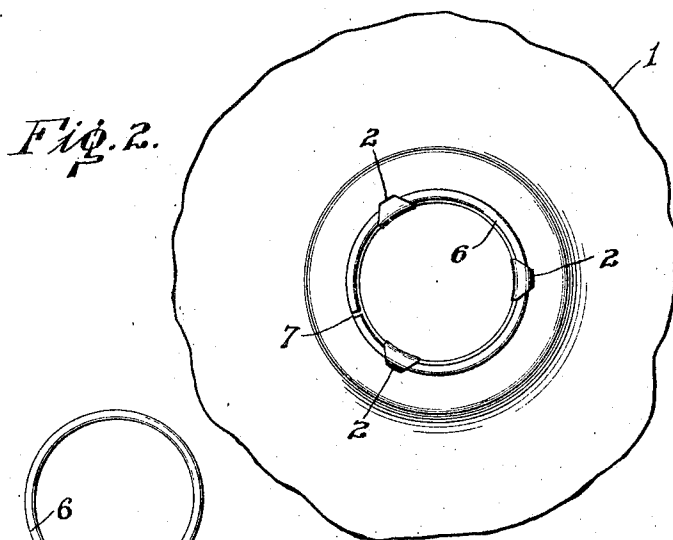
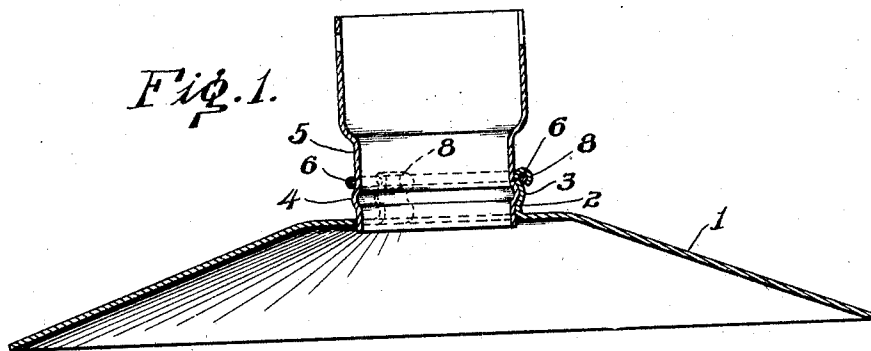


Fig. 4.

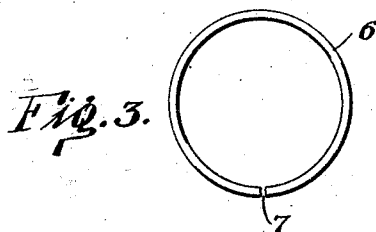


Fig. 3.

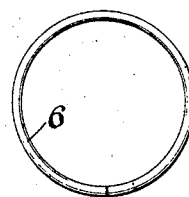


Fig. 5.

Witnesses

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334

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UNITED STATES PATENT OFFICE.

HENRY D'OLIER, JR., OF PHILADELPHIA, PENNSYLVANIA.

SHADE ATTACHMENT.

951,269.

Specification of Letters Patent.

Patented Mar. 8, 1910

Application filed August 8, 1907. Serial No. 387,702.

To all whom it may concern:

Be it known that I, HENRY D'OLIER, JR., a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Shade Attachments, of which the following is a specification.

My invention relates to an attachment or holder for securing or affixing a shade or reflector member to a support, and particularly to an incandescent lamp socket.

It is the object of my invention to produce a simplified attachment or holder and yet one which is rugged and strong and inexpensive in production. To this end, socket engaging fingers or members are secured upon or made integral with the shade or reflector member and such fingers are supported by means, preferably resilient and preferably ring shaped, such supporting means engaging said fingers preferably at their outer ends, the whole being so disposed that the socket may spring into the fingers and be held securely by the fingers as reinforced by the ring member.

My invention resides in other features hereinafter pointed out and described in the claims.

For an illustration of one of the forms my invention may take reference is to be had to the accompanying drawing, in which:

Figure 1 is a vertical sectional view through the shade or reflector member, the holder or attachment, and the shell of an incandescent lamp socket. Fig. 2 is a plan view of the shade or reflector member and the holder or attachment. Fig. 3 is a detailed view of the resilient ring member. Fig. 4 is a plan view of a modified form of the resilient ring member, showing such ring discontinuous, but with its ends overlapping. Fig. 5 is a plan view of a modified form of the resilient ring member, the ring being discontinuous but the ends overlapping one above the other.

Referring to Fig. 1, a shade or reflector member 1, of sheet metal or other material, has formed integral therewith outwardly extending members or fingers 2 beaded at 3. These beads are adapted to register with the bead 4 upon the socket shell 5.

6 is a ring formed out of any suitable material, preferably resilient, and preferably of spring steel or other wire. The ring is not closed, as seen by the small gap

7, or the ends may overlap each other, in any case forming a resilient ring which may expand or contract according to the circumstances. This ring is supported by the fingers 2 whose upper ends 8 are preferably bent over and around the ring 6 to support the same in position.

The socket is introduced through the ring 6 and between the fingers 2 and may extend into the circular aperture in the shade member 1. The socket bead 4, during this movement, forces the fingers 2 outwardly, this outward movement being opposed or resisted by the resilient ring 6; upon further movement, the socket bead 4 slips into and registers with the beads 3 upon the fingers 2. The ring 6 after the passage of the bead 4 contracts and assists in holding the resilient fingers 2 snugly against the socket shell and lies back of the socket bead 4. This construction produces a very rugged and firm attachment or holder and, as is evident, is very inexpensive in production.

The fingers 2 are struck out by die from the material of the shade or reflector member 1 and from that part of the material which is stamped out to form the aperture to receive the socket shell. Obviously, however, the fingers may be made independently and then secured upon the shade or reflector member or upon any extension to or from the shade or reflector member. This construction has an advantage in that with slight variations in diameter of the socket shell or the socket bead it is still able to support the shade member upon the socket in a rigid and firm manner. Furthermore, this construction has the advantage over those constructions which merely have non-reinforced socket engaging fingers in that said fingers are themselves not invariably sufficiently strong to firmly support the shade or reflector member, and after considerable use lose the necessary resiliency.

What I claim is:

1. As an article of manufacture, a shade or reflector member, resilient lamp socket engaging fingers thereon, and a resilient circumferentially discontinuous ring supported approximate the outer ends of said fingers and reinforcing said fingers.

2. As an article of manufacture, a shade or reflector member, beaded resilient lamp socket engaging fingers thereon, and a resilient circumferentially discontinuous ring supported on said fingers outside of the

beads on said fingers and reinforcing said fingers.

3. As an article of manufacture, a shade or reflector member, resilient lamp socket engaging fingers thereon, a resilient circumferentially discontinuous ring passing around said fingers, said fingers being bent over said ring to support the same.

4. In combination, a shade or reflector member, a lamp socket, a bead thereon, beaded fingers on said shade or reflector member engaging said socket bead, and a resilient circumferentially discontinuous ring supported by said fingers and passing around said socket and said fingers.

5. In combination, a shade or reflector

member, a lamp socket, a bead thereon, beaded resilient fingers on said shade or reflector member engaging said socket bead, and a resilient circumferentially discontinuous ring passing around said fingers and said socket between the finger beads and the finger ends, said finger ends being bent over to support said ring.

In testimony whereof I have hereunto affixed my signature in the presence of the two subscribing witnesses.

HENRY D'OLIER, JR.

Witnesses:

ELEANOR T. McCALL,
ANNA E. STEINBOCK.