

R. E. EWING.
LIGHT SHADE.
APPLICATION FILED MAR. 30, 1912.

1,061,277.

Patented May 13, 1913.

FIG. 1.

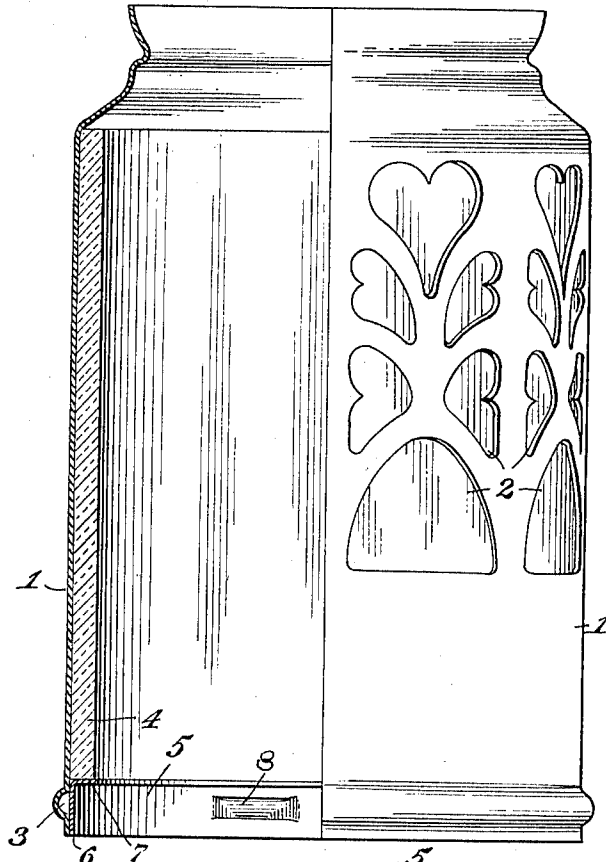


FIG. 2.

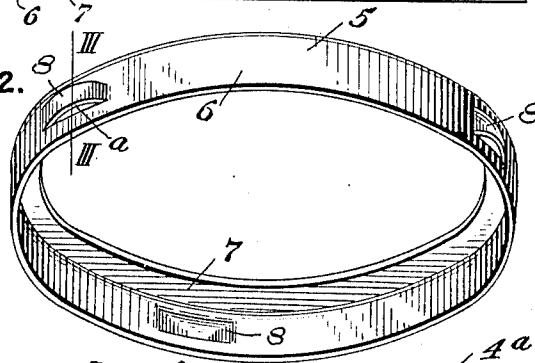


FIG. 3.

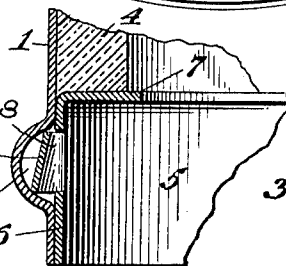
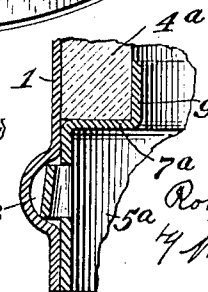


FIG. 4.



WITNESSES

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LIGHT-SHADE.

1,061,277.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ROBERT E. EWING, of Avalon, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Light-Shades, of which the following is a specification.

An object of my invention is to provide a new and improved light-shade, and more particularly a light-shade including an outer casing, an inner removable shade or shell, and a detachable shade locking and supporting member.

In the accompanying drawing, which illustrates applications of my invention, Figure 1 is a part vertical sectional view and a part elevational view of a shade embodying my invention; Fig. 2, a perspective view of the shade supporting and locking member; Fig. 3, an enlarged detail sectional view particularly showing the locking member in operative position within the casing, the section of the locking member being taken on line III—III of Fig. 2; and Fig. 4, a detail sectional view showing a modified form of locking ring.

Referring to the drawing, my improved shade, as illustrated and as preferred, comprises an outer metallic casing 1 provided with numerous irregularly shaped ornamental openings 2, and with the lower end of the casing formed with an internal annular groove 3. Removably mounted within the casing, I provide a shade or hollow shell 4 preferably made of glass or some other suitable transparent material. Shade 4 is maintained in position within the casing by means of a detachable supporting and locking member 5, and in the form of my invention as illustrated, the detachable shade supporting and locking member comprises a continuous yielding metallic ring 6 formed with shade supporting means as an inwardly projecting annular flange 7, and with a series of inwardly compressible spring members 8 struck up from the periphery of the ring. The projecting members 8 are preferably of the form shown, and comprise an outwardly protruding inclined central portion α having free lower and upper edges, but I do not desire to limit myself to this form of projection. The outer diameter of the locking ring is preferably of substantially the same diameter as the inner diameter of the lower end of

the casing, and when the ring is placed in operative position within the casing, a close frictional engagement is effected between the ring and casing with the projections 8 entered in the annular groove and the flange or other shade supporting means in contact with the lower edge of the shade.

In some instances the inclosed shade or shell is made up of a plurality of pieces, and in the form of Fig. 4, I have shown a modified form of shade retainer member particularly adapted for maintaining such a shade in position within the casing. In this form, 4^a designates a portion of a piece of glass entering into the shade, and 5^a the supporting and locking ring. In addition to being provided with projections adapted to enter the groove of the casing and with the annular flange 7^a, this form of ring is provided with a vertically extending flange 9.

The parts constituting the shade are assembled by placing the shell 4 within the casing 1, which latter is preferably formed of some suitable yielding thin sheet metal, as brass, and then a portion of the yielding ring, which is also preferably made of thin sheet metal is inserted into the open base with one or more of the projections 8 entered in the groove 3, after which the remaining portion is pressed or sprung into position.

What I claim is:

1. A light-shade comprising a perforated casing formed with an annular groove, a shade removably mounted within the casing, and detachable shade supporting and locking means comprising a continuous yielding ring formed with an inwardly projecting shade engaging member and a projection adapted to enter the groove of the casing.

2. A light-shade comprising a perforated metallic casing formed with an annular groove, a shade removably mounted within the casing, and detachable shade supporting and locking means comprising a continuous yielding ring formed with inwardly projecting shade contacting means and an inwardly compressible spring member adapted to enter the groove of the casing.

3. A light-shade comprising a perforated metallic casing formed with an annular groove, a shade or shell removably mounted within the casing and detachable shade supporting and locking means comprising a continuous yielding ring formed with an an-

nular flange and a plurality of projecting spring members struck up from the periphery of the ring, said projecting members of the ring adapted to enter the groove of the casing.

4. A light shade comprising a perforated metallic casing formed with an annular groove, a shade or shell removably mounted within the casing, and detachable shade supporting and locking means comprising a continuous yielding ring formed at its upper edge with an inwardly projecting flange and a projecting spring member struck up from its periphery and adapted to enter the groove of the casing.

5. A light shade comprising a perforated metallic casing formed with an annular

groove, a shade or shell removably mounted within the casing, and detachable shade supporting and locking means comprising a continuous yielding ring formed at its upper edge with an inwardly projecting flange and a vertically extending flange at right angles with the first mentioned flange, and a projecting member struck up from its periphery and adapted to enter the groove of the casing.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT E. EWING.

Witnesses:

W. G. DOOLITTLE,
F. E. GAITHER.

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