

J. STODDART.
SHADE HOLDER.
APPLICATION FILED MAY 29, 1912.

1,039,676.

Patented Sept. 24, 1912.

2 SHEETS-SHEET 1.

Fig. 1.

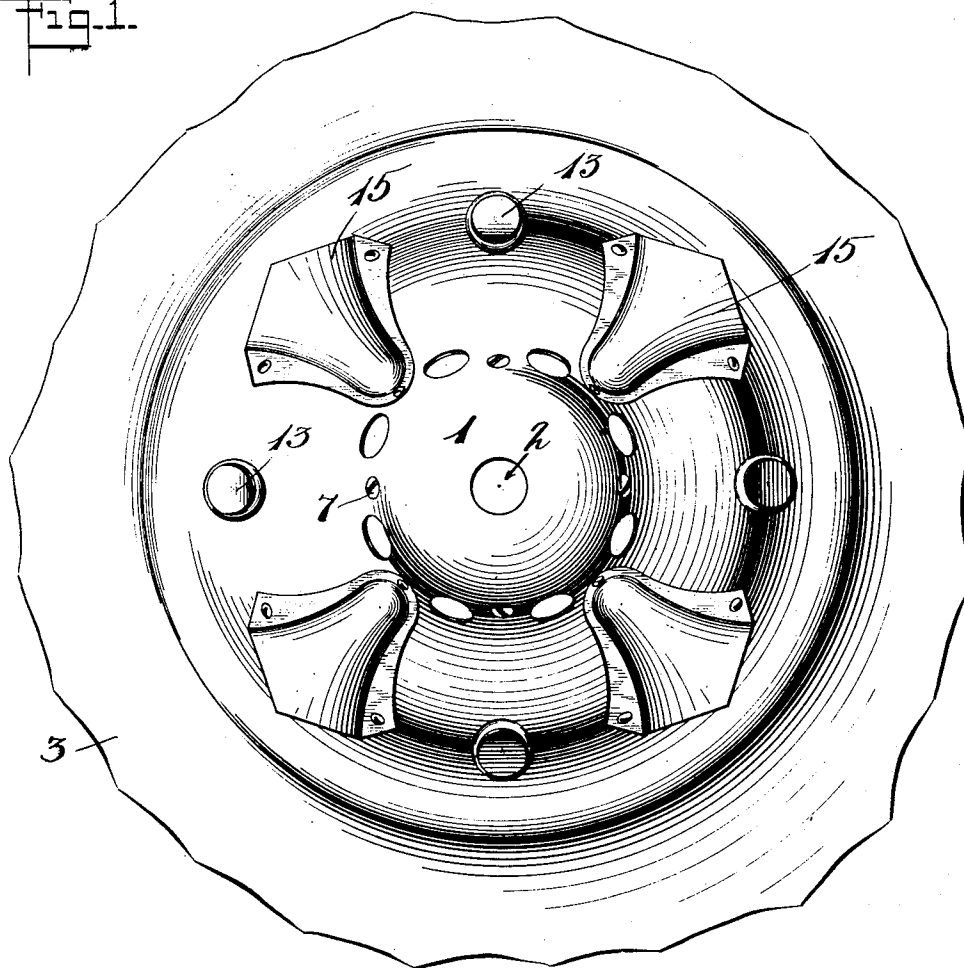
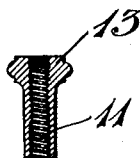


Fig 4



Witnesses:
Chas. W. Reed
Ida M. Kunziker.

Inventor
James Stoddart
By *Byles Attorneys*
Paul W. Brown

J. STODDART.
SHADE HOLDER.
APPLICATION FILED MAY 29, 1912.

1,039,676.

Patented Sept. 24, 1912.

2 SHEETS-SHEET 2.

Fig. 2.

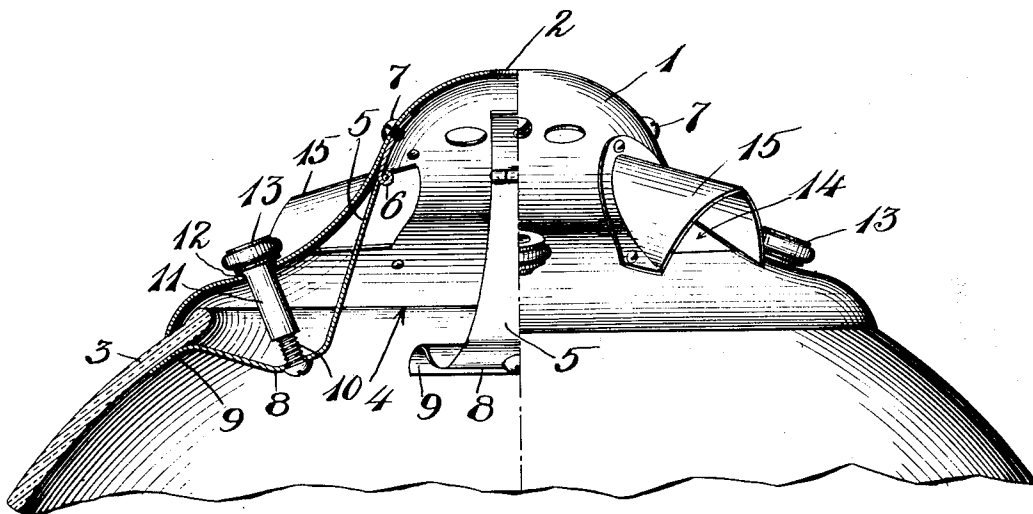
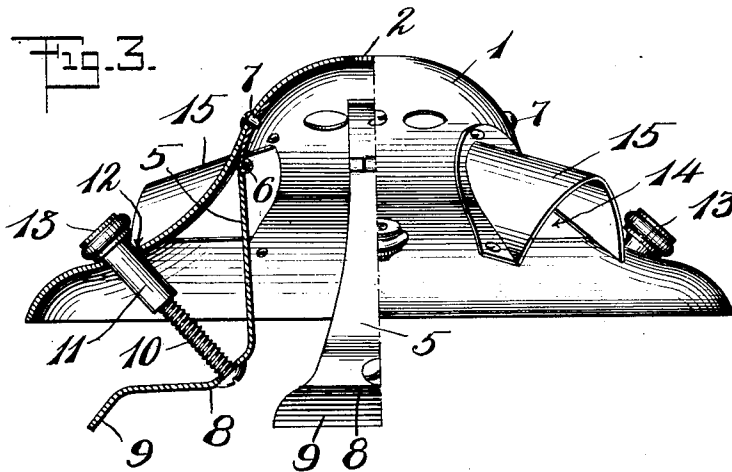


Fig. 3.



Witnesses:
Chas. A. Ford
de Wanziker

Inventor
James Stoddart
By *His Attorneys*
Robert B. Muesel

UNITED STATES PATENT OFFICE.

JAMES STODDART, OF NEWARK, NEW JERSEY, ASSIGNOR TO EDWARD J. SCHROEDER
AND CHARLES A. SCHROEDER, BOTH OF JERSEY CITY, NEW JERSEY, COPARTNERS.

SHADE-HOLDER.

1,039,676.

Specification of Letters Patent.

Patented Sept. 24, 1912.

Application filed May 29, 1912. Serial No. 700,377.

To all whom it may concern:

Be it known that I, JAMES STODDART, a citizen of the United States, residing at Newark, county of Essex, State of New Jersey, have invented certain new and useful Improvements in Shade-Holders, of which the following is a full, clear, and exact description.

My invention relates to shade holders, and is particularly concerned with a device of this character adapted to support shades in the form of glass globes in which there is but a single opening.

The object of the invention is to eliminate the unsightly set screws ordinarily employed to engage a flange surrounding the opening of the globe to attach the same to the fixture.

A further object is to so support the globe that the supporting means do not clamp or hold the globe so rigidly as to interfere with free expansion and contraction of the globe under varying temperatures.

A further object is to provide a holder which renders unnecessary any attaching flange surrounding the opening of the globe.

The particular advantage of this invention is that it provides means for so holding the globe as to obviate the possibility of breakage through screwing up the set screws ordinarily employed too tightly, or through loosening of said set screws by jarring of the fixture to which the globe is attached.

With these and other objects in view, as will appear from the following description, the invention consists in the construction and arrangement of parts, a preferred embodiment of which is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of a globe holder embodying my invention, showing how the same is applied to the globe. Fig. 2 is a partial elevation and section of the holder, showing the interior clamping means, in clamping position. Fig. 3 is a view similar to Fig. 2, showing the holder with the holding arms in position to be inserted within the opening of the globe. Fig. 4 is a detail of the fastening or adjusting nut for the holding arms.

In the embodiment of my invention herein selected for illustration, the holder comprises an outside shell 1, which may be attached to the fixture in any desired manner, as through an opening 2. This shell

may be of any desired diameter, according to the size of the globe and diameter of the opening within which the holder is to be mounted. The edge of this shell is adapted to engage the globe 3 adjacent the opening therein 4. Within the shell are mounted a plurality of clamping arms 5. The number of these arms may be varied to accord with the size of the globe to be held, but it is found that four are ordinarily sufficient for any holder up to and including eight inches in diameter. These clamping arms may be hinged, as at 6, to the shell 1, or may be simply spring arms having one end attached to the inner side of the shell, as by screws or rivets 7. These arms have an offset bend 8 and a globe engaging extension 9, and the arms are of such length that when adjusted to holding position, as indicated in Fig. 2, they engage the inner side of the globe well within the edge of the opening therein. Each arm has fixed thereto a screw stud 10 to receive a threaded sleeve or nut 11 extending through an opening 12 in the shell 1, the outer end of said sleeve being provided with an operating head 13, which is preferably knurled to facilitate the operation thereof.

When the globe is to be attached to the holder, the clamping screws and nuts are extended to their full length, as indicated in Fig. 3, whereby the outer ends 9 of the clamping arms are collapsed so as to be easily slipped within the opening of the globe. The ends 11 are then screwed up until the arms take the position indicated in Fig. 2, wherein they bear against the inner side of the globe and hold the same more or less snugly in contact with the outer edge of the shell 1. It is to be understood, however, that to securely hold the globe it is not necessary to screw up the ends so tightly as to draw the globe tightly against the edge of the shell, for the reason that the length of the clamping arms causes them to project well beyond the edge of said shell and well within the edge of the globe when in operative position, whereby the globe is, in effect, simply suspended upon the clamping arms and held in proper relative position by the edge of the shell. Inasmuch as the clamping ends pass loosely through the openings 12 of the shell, the heads of the same lie down close to the outer surface of the shell, and when said shell is of the form here indicated

that is to say, if the upper surface is retreating rapidly toward the center, these ends will be, in effect, entirely concealed from view by the shell and by the globe. It will be noticed also that the openings in the shell for these ends and the point of attachment of the screws 10 to the arms, are so relatively arranged that the heads 13 of the ends will lie flat against the upper surface of the shell when the globe is attached. The shell may be provided with ventilating openings 14, covered, if desired, by ornamental hoods 15.

While I have herein described a particular embodiment of my invention, it is to be understood that the same may be altered in details and relative arrangement of parts within the scope of the appended claims.

What I claim is:

1. A shade holder comprising a supporting member adapted to engage the outer surface of the shade and having a plurality of shade holding arms adapted to engage the inner surface of the shade, and cooperating means carried by said member and holding arms for collapsing said arms to introduce them within the shade and for expanding them to holding position within the shade.

2. A shade holder comprising a shell or frame adapted to engage the outer surface of the shade and having a plurality of adjustable shade holding arms attached to its inner side adapted to engage the inner surface of the shade, and cooperating means carried by said shell and holding arms for adjusting said holding arms to position them for insertion within the shade and for drawing them to holding position against the inner surface of the shade.

3. A shade holder for shades having a single opening, comprising a hollow shell having an edge adapted to engage the outer surface of the shade adjacent said opening and having a plurality of adjustable shade supporting arms attached to its inner surface adapted to extend beyond the edge of said shell when said arms are in operative position, and cooperating means carried by said

shell and supporting arms for adjusting said arms to engage the inner surface of the shade to support said shade in engagement with the edge of said shell.

4. A shade holder for shades having a single opening, comprising a member adapted to engage the outer surface of the shade adjacent said opening and a plurality of adjustable arms attached to said member and adapted to engage the inner surface of the shade adjacent said opening and cooperating means carried by said member and by said arms operable to adjust said arms to and from shade holding position.

5. A shade holder for shades having a single opening, comprising a member adapted to engage the outer surface of the shade adjacent said opening and having a plurality of shade supporting arms adapted to engage the inner surface of the shade adjacent said opening and at points beyond the points of engagement of said shade by said member, and cooperating screw and nut means carried by said member and supporting arms for collapsing said supporting arms to adapt the same for insertion within said opening and for drawing said arms into engagement with the inner surface of said shade to support the same in contact with said member.

6. A shade holder for shades having a single opening, comprising a member adapted to engage the outer surface of the shade adjacent said opening, a plurality of adjustable shade supporting members attached to said first mentioned member and adapted to engage the inner surface of the shade adjacent said opening, and a screw and nut adapted to operate through openings in said first mentioned member to draw said supporting members to supporting position within said shade.

JAMES STODDART.

Witnesses:

R. C. MITCHELL,
L. S. JAMES.