No. 820,164. PATENTED MAY 8, 1906.

W. W. ABBOTT.

SHADE HOLDER.

APPLICATION FILED DEC. 8, 1905.

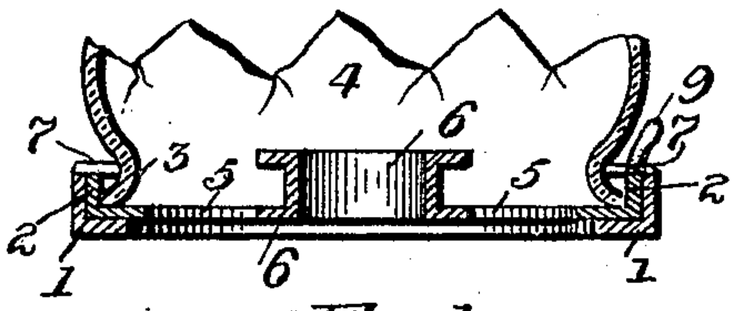

Fig. 1.

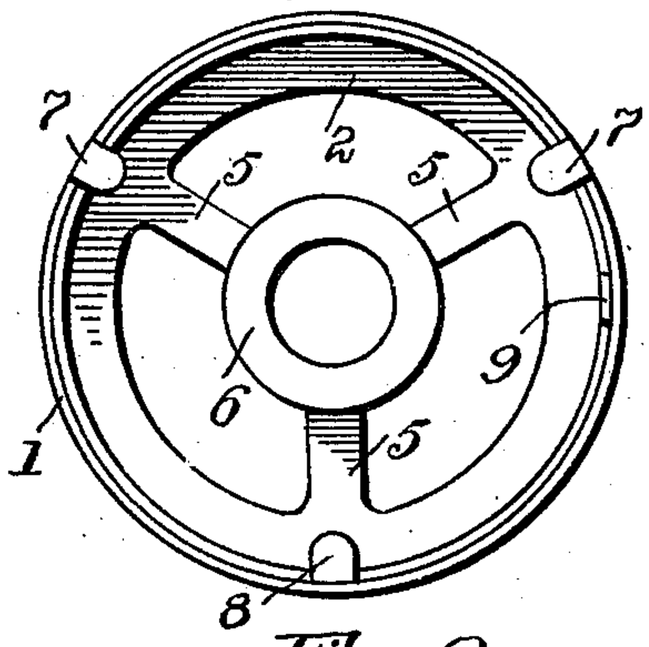

Fig. 2.

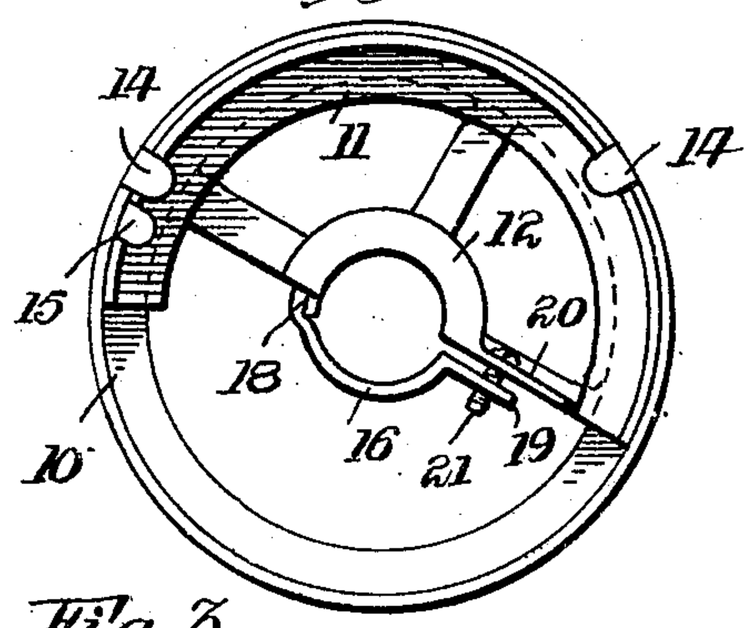

Fig. 3.

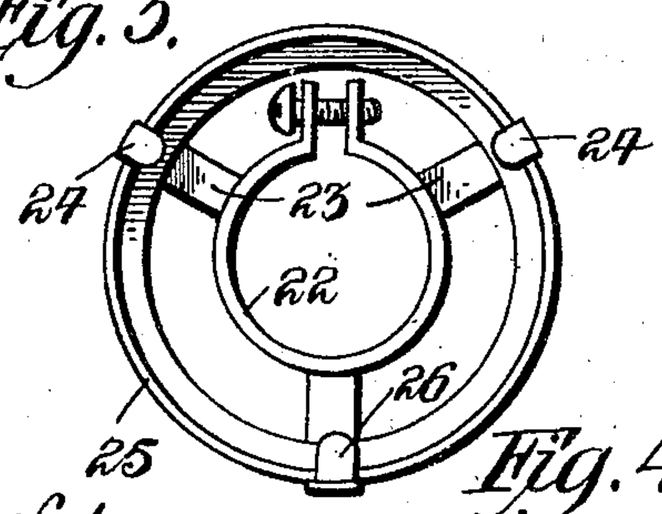

Fig. 4.

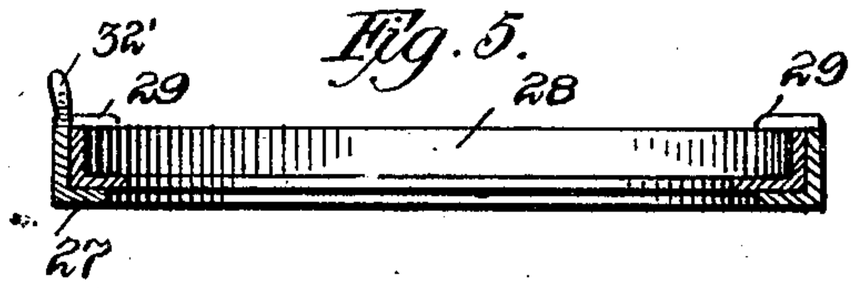

Fig. 5.

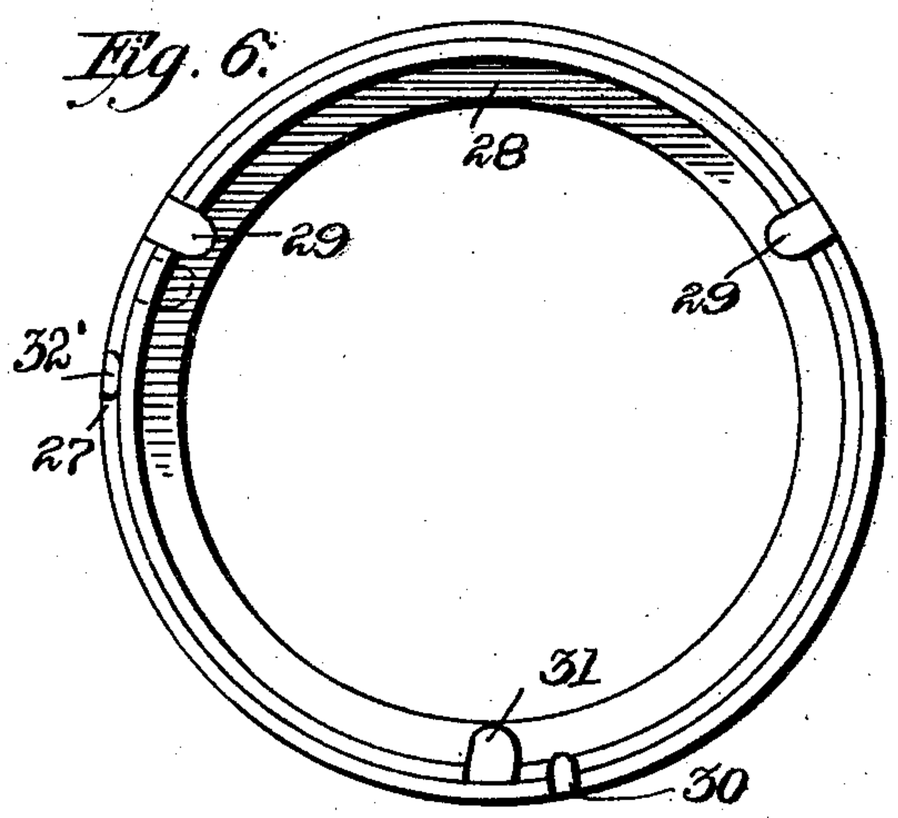

Fig. 6.

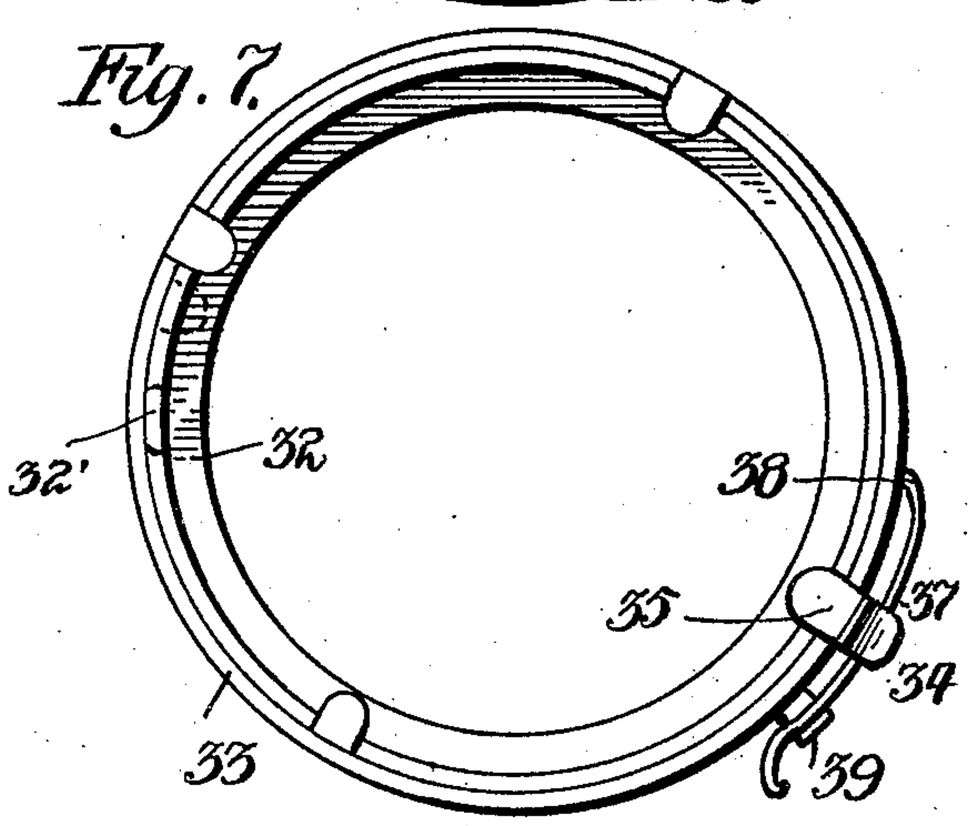

Fig. 7.

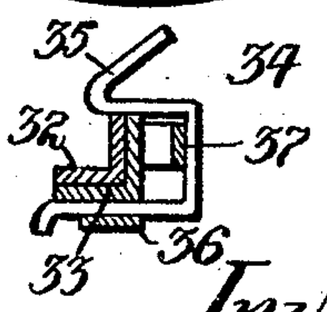

Fig. 8.

Witnesses:
John E. Powers
R. N. Butler,

Inventor
William W. Abbott.
By N. C. Evert & Co
Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM W. ABBOTT, OF INGRAM, PENNSYLVANIA.

SHADE-HOLDER.

No. 820,164. Specification of Letters Patent. Patented May 8, 1906.

Application filed December 8, 1905. Serial No. 290,927.

To all whom it may concern:

Be it known that I, WILLIAM W. ABBOTT, a citizen of the United States of America, residing at Ingram, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Shade-Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in chimney, globe, and shade holders for chandeliers and electroliers and the like fixtures.

The primary object of this invention is to provide novel means in connection with a fixture for detachably holding a shade, chimney, or globe, whereby the same can be easily and quickly detached at any desired time.

My invention aims to provide a simple and inexpensive attachment for baskets or the supporting-rings of fixtures, and in this connection the attachment is particularly adapted for retaining globes upon chandeliers.

Briefly described, my invention consists in providing a fixture with a movable ring or band which is provided with means for gripping a chimney or globe and firmly retaining it in engagement with a globe, chimney, or shade.

The above construction, together with the details of the invention, will be hereinafter more fully described and claimed, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a cross-sectional view of my improved holder, illustrating a portion of a globe mounted therein. Fig. 2 is a plan of the same. Fig. 3 is a plan of the holder mounted within a fixture, illustrating a fractional band or ring. Fig. 4 is a plan of the holder mounted in a spider. Fig. 5 is a cross-sectional view of my improved holder used upon the exterior of a basket or supporting-ring. Fig. 6 is a plan of the same. Fig. 7 is a similar view illustrating my improved holder provided with a clasp, and Fig. 8 is a cross-sectional view of the clasp.

In the accompanying drawings the reference-numeral 1 designates a conventional form of supporting ring or band which is generally carried by the fixture of a chandelier, electrolier, or the like fixture, these supporting rings or bands being angular in cross-section to permit of a globe or shade resting therein. Heretofore these rings or bands have been provided with a plurality of screws to retain a globe, shade, or chimney therein, and my invention resides in dispensing with screws and the like fastening means and providing means which can be easily and quickly manipulated to hold or release a chimney, shade, or globe mounted therein.

In carrying my invention into effect I construct a ring or band 2, adapted to fit within the ring or band 1 of the fixture. The ring or band 2 is angular in cross-section and is adapted to support a flanged edge 3 of a globe or shade 4. The ring or band 2 is provided with radially-disposed arms 5, which extend inwardly and support a sleeve 6, said sleeve being adapted to fit over the central portion of an electrolier or chandelier—for instance, the mantle or bulb support.

To retain the ring or band 2 within the band 1 and also retain the globe 4 within the band or ring 2, I provide the band or ring 1 with radially-disposed angularly-extending lugs 7 7, said lugs overlying the top edge of the band or ring 2 and extending inwardly toward the flanged edge 3 of the shade or globe 4. The band or ring 2 is provided with an inwardly-extending lug 8, and by referring to Fig. 2 of the drawings it will be observed that the ring or band has been moved, whereby the lugs 7 7 and the lug 8 are equally spaced upon the circumference of the ring or band 2, thereby retaining the globe 4 in engagement with the ring or band 2 at three equidistant points.

To disengage the shade or globe 4, it is only necessary to grip an upwardly-extending lug or handle 9, carried by the edge of the band or ring 2, and to move the band or ring 2 around in the band 1 until the lug 8 engages one of the lugs 7, at which time the shade or globe 4 can be easily and quickly removed, a clear space of over one-half the circumference of the ring or band 2 having been provided for the removal of the shade or globe 4.

In Fig. 3 of the drawings I have illustrated a band or ring 10 similar to the band or ring 1 of Fig. 1, and in this band or ring I have mounted a fractional band or ring 11, said ring or band 10 supporting a fractional sleeve 12, which serves the same purpose as the sleeve 6 of the band or ring 2. Lugs 14, 14,

and 15, similar to the lugs 7, 7, and 8, are also employed, the fractional ring being manipulated in a manner similar to the band or ring 2 heretofore described. It will be observed that I have provided the fractional sleeve 12 with a resilient arm 16, said arms being connected to the sleeve, as at 18, while the opposite end of the arm is bent outwardly, as at 19, to coincide with one of the radially-disposed arms 20 of the fractional ring 11. The free end of the resilient arm 16 is adjustably connected to the arm 20 by a set-screw or screw-bolt 21. This type of fractional ring is simpler in construction and less expensive than the band or ring 2, and therefore I do not care to confine myself either to a solid ring or a fractional ring.

My improved holder, such as illustrated in Fig. 1 of the drawings, can be readily used in connection with a spider 22, this use being clearly shown in Fig. 4 of the drawings, where the radial arms 23 23 of the spider are bent to form lugs 24 24, while the band or ring 25 is provided with a single lug 26, said band or ring being manipulated similar to the holder of Fig. 1 of the drawings. In this instance the central sleeve 6 is dispensed with, as the spider serves functionally the same purpose.

Another arrangement of my improved holder is illustrated in Figs. 5 and 6 of the drawings, wherein the movable ring or band 27 is mounted upon the outer side of band or ring 28, said band or ring corresponding to the band or ring 1 of Fig. 1 of the drawings. The band 27 is held in engagement with the ring 28 by inwardly-extending lugs 29, 29, and 30, carried by said band and extending over the top edges of the ring 28. The lug 30 of the band 27 simply engages the top edge of the ring 28, while the lugs 29 29 extend inwardly sufficiently to engage a globe or shade. The ring 28 is provided with a single inwardly-extending lug 31, and the outer movable band 27 can be easily and quickly shifted by the vertical handle or lug 32′, whereby the lug 31 will engage either one of the lugs 29 29 and permit of a globe or shade being removed from the ring 28.

The application of my improved holder to a large fixture is illustrated in Figs 7 and 8 of the drawings, wherein I have provided novel means for insuring a perfect engagement of a large and heavy globe or shade with a large fixture, this construction being shown upon a scale similar to a basket or supporting-ring of a large fixture. In this instance the inner ring 32 moves within the supporting-band 33, and besides employing lugs similar to those illustrated in Figs. 1 and 2 of the drawings I employ a clasp 34. The clasp 34 consists of an angular clip 35, slidably mounted in a bracket 36, carried by the band 33, said clip being adapted to extend over the ring 32 and engage a shade or globe. To further retain the clip 35 in engagement with the band 33, I employ a resilient arm 37, which is secured to the band 33, as at 38, while the free end of said arm is supported in a bracket 39.

From the foregoing description it will be observed that I have devised a novel movable ring which can be mounted upon a basket or fixture and easily manipulated to retain a globe or shade in engagement with said fixture, said ring being easily and quickly shifted to release or hold a globe or the like object.

I do not care to confine myself to the arrangements of the rings or bands shown in the accompanying drawings, but desire to protect myself upon the broad use of the horizontally-movable ring or band in connection with the fixtures of chandeliers or electroliers.

Such changes in the construction and operation of my improved holder as are permissible by the appended claims may be resorted to without departing from the spirit and scope of the invention.

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

1. The combination with a fixture, having a supporting-band, inwardly-extending rigid lugs carried by said band, of a ring slidably mounted upon said band, an inwardly-extending rigid lug carried by said ring, a handle carried by said ring, a sleeve supported by said ring, substantially as described.

2. The combination with a fixture having a band, inwardly-extending rigid lugs carried by said band, a ring mounted in said band, arms carried by said ring, a sleeve supported by said arms, an inwardly-extending rigid lug carried by said ring, substantially as described.

3. The combination with the supporting-band of a fixture, and rigid inwardly-extending lugs carried by said band, of a ring movably mounted in said band, a lug carried by said ring, a handle carried by said ring, substantially as described.

4. The combination with the supporting-band of a fixture, and rigid lugs carried by said band, of a fractional part of a ring mounted in said band, a rigid lug carried by said ring to hold a globe therein, and a handle carried by said ring, substantially as described.

5. In a device of the type described, the combination with a band, inwardly-projecting rigid lugs carried by the band and means carried by the band for attaching the band to a fixture, of a ring supported by the band and revoluble relatively thereto and an inwardly-projecting rigid lug carried by said ring, substantially as described.

6. The combination with a fixture, rigid lugs carried by said fixture, of a ring revolubly mounted upon said fixture, a rigid lug carried by said ring and acting in conjunction with said lugs to retain a globe in engage-

ment with said fixture, substantially as described.

7. In a device for supporting globes or shades, the combination with a member provided with means for attaching the same to a fixture, of inwardly-projecting rigid lugs carried by said member, a revoluble ring mounted on said member, and provided with an inwardly-extending lug, the lugs on the first-named member and the lugs on the ring being adapted when the ring is rotated to be spaced at equidistant points around the ring, substantially as described.

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

WILLIAM W. ABBOTT.

Witnesses:
H. C. EVERT,
E. E. POTTER.