

1,031,012.

T. J. LITTLE, JR.  
GLOBE HOLDER FOR LAMPS.  
APPLICATION FILED JULY 15, 1910.

Patented July 2, 1912.  
2 SHEETS-SHEET 1.

Fig. 1.

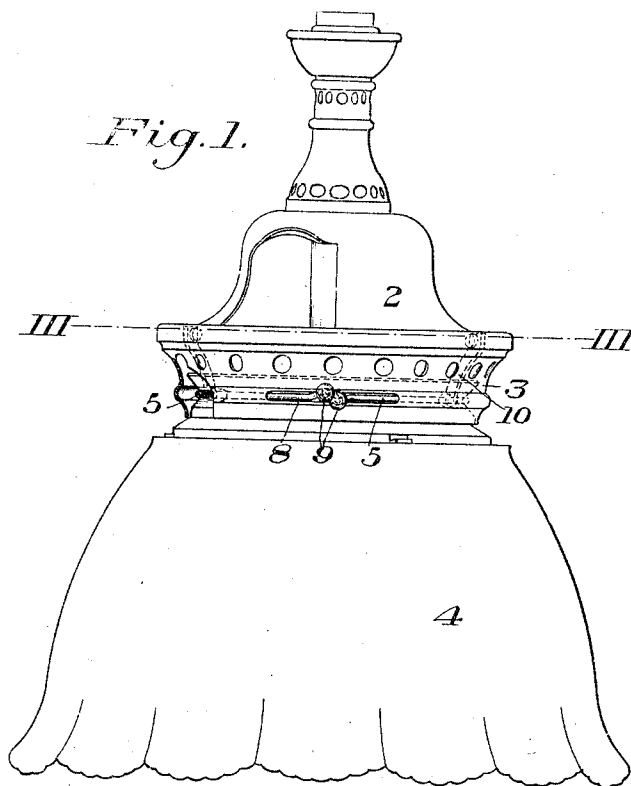


Fig. 2.

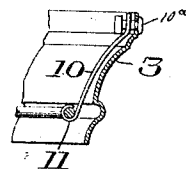
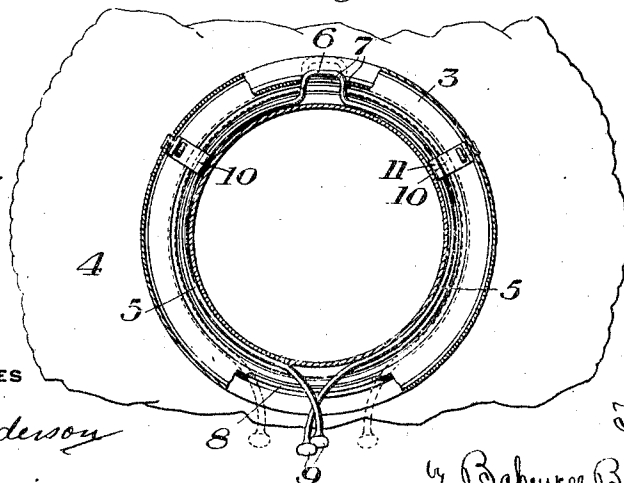


Fig. 3.



WITNESSES

R. A. Balderson  
W. J. Farnsworth

INVENTOR

T. J. Little, Jr.  
by Baker, Byrnes & Carmichael  
his Attys

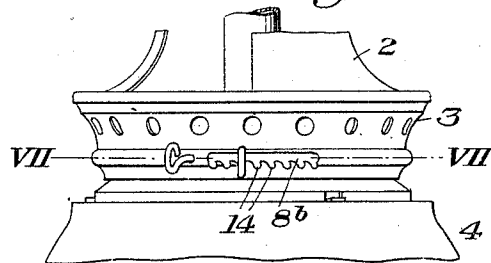
1,031,012.

T. J. LITTLE, JR.  
GLOBE HOLDER FOR LAMPS.  
APPLICATION FILED JULY 15, 1910.

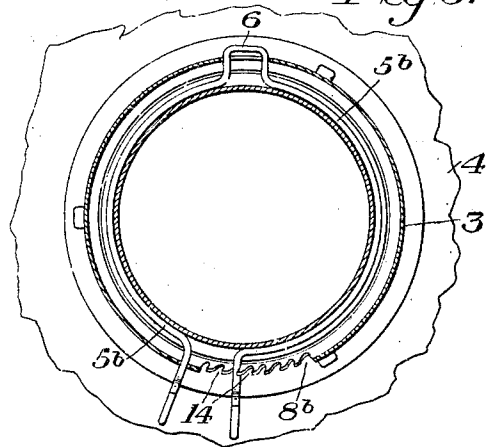
Patented July 2, 1912.

2 SHEETS—SHEET 2.

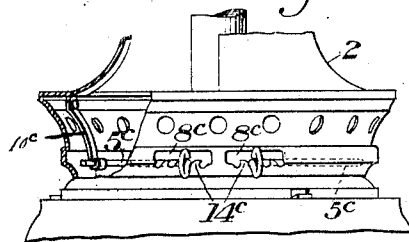
*Fig. 4.*



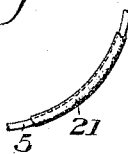
*Fig. 5.*



*Fig. 6.*



*Fig. 7.*



WITNESSES

*R. A. Balderson*  
*W. J. Jamieson*

INVENTOR

*T. J. Little Jr.*  
*by Baker, Byrnes & Partridge*  
*his Attys*

# UNITED STATES PATENT OFFICE.

THOMAS JAMES LITTLE, JR., OF WOODBURY, NEW JERSEY, ASSIGNOR TO WELSBACH LIGHT COMPANY OF GLOUCESTER CITY, NEW JERSEY, A CORPORATION OF NEW JERSEY.

## GLOBE-HOLDER FOR LAMPS.

1,031,012.

Specification of Letters Patent.

Patented July 2, 1912.

Application filed July 15, 1910. Serial No. 572,193.

To all whom it may concern:

Be it known that I, THOMAS J. LITTLE, JR., of Woodbury, Gloucester county, New Jersey, have invented a new and useful Improvement in Globe-Holders for Lamps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of one form of lamp embodying my invention; Fig. 2 is a detail sectional view hereinafter more fully described; Fig. 3 is a section on the line III—III of Fig. 1; Fig. 4 is a side view of a modified form of my invention. Fig. 5 is a section on the line VII—VII of Fig. 4. Fig. 6 is a side view showing another form of the invention; and Fig. 7 is a detail view of a heat-insulated wire which I prefer to use as the clamping means.

My invention is designed to provide a globe holder for inverted lamps which will obviate the use of the screws commonly employed for securing the globes, and which are liable to be set up too tightly and break the globe, and which also require considerable time in screwing and unscrewing.

In accordance with my invention, I provide a novel form of globe-holder in the form of an expansible clasp adapted to embrace the upper or neck portion of the globe, and having means whereby it may be quickly secured in clamping engagement with the globe and quickly released from such engagement.

The nature of my invention will be best understood by reference to the accompanying drawings, in which I have shown several different embodiments thereof, which will now be described, it being premised, however, that various changes may be made in the details of the construction and arrangement of the parts without departing from the spirit and scope of my invention as defined in the appended claims.

Referring first to that form of my invention which is shown in Figs. 1, 2 and 3, the numeral 2 designates the casing of the lamp having the lower globe-holding ring or flange 3, and 4 is the globe or shade. Placed within the ring or flange 3 is the globe-holder, which consists of a spring metal ring 5, preferably of wire, held in place by a bend or loop 6 formed in its central por-

tion and projecting through a slot 7 in the ring or flange 3. The end portions of the wire are brought out through an elongated slot 8 at the opposite side of the ring or flange 3 from the bend 6, and terminate in knobs or buttons 9. The ring 5 is preferably supported at two or more points by means of swinging arms 10, which are secured at their upper ends to the upper portion of the ring 3 by screws or pins 10<sup>a</sup>, which will permit sufficient freedom of movement of the arms 10 to permit the ring 5 to assume a central position with relation to the globe holder. It will readily be understood by those familiar with the art that these arms 10 may be connected to the globe holder in any manner, providing the arms are arranged to have sufficient movement to permit the ring 5 to assume its proper position. The elasticity of the ring 5 normally tends to hold said ring in its extended or expanded position, to receive the globe. After the globe has been inserted, the free ends of the wire are pressed toward each other and the knobs or buttons 9 clench over, or interlock with each other, in the manner shown, thereby holding the ring 5 in secure clamping engagement with the globe. When the knobs or buttons are brought together and clenched over each other in this manner, the depending swinging arms 10 move inwardly and upwardly, forcing the shoulder of the globe up against the lower edge of the globe ring 3, thus giving a better appearance.

In the modification shown in Figs. 4 and 5, the holding ring 5<sup>b</sup> is constructed similar to the ring 5 in the form first described, but has one of its ends secured in a relatively fixed position by being projected through the globe ring, while its other end is brought outwardly through an elongated slot 8<sup>b</sup> of said ring. The lower wall of this slot is provided with a plurality of ratchet teeth 14, with any one of which the end portion 5<sup>b</sup> of the ring may be engaged, thus accommodating the device to globes having different sizes of necks.

In Fig. 6 I show a form similar to that of Figs. 4 and 5, except that the wall is provided with two slots 8<sup>c</sup>, the lower wall of each slot having ratchet teeth 14<sup>c</sup>. Either end portion of the ring 5<sup>c</sup> may be engaged with any of the teeth in its containing slot,

thus more fully accommodating the device for globes of different sizes of necks. In this figure I have shown the ring 5° supported by means of swinging arms 10°, similar to those shown in Fig. 1.

In Fig. 7 I show the form of clamping ring or wire which I preferably use in any or all of the above forms. Such wire 5 is preferably covered with a heat-insulating layer 21, which may be made of asbestos or other suitable poor conductor of heat. The wire may be covered by wrapping it with a tape of the desired material, or by covering it in any other desired way. This heat-insulating cover avoids injurious heating of the wire, and also liability to crack the globe or shade.

The advantages of my invention result from the provision of an extremely simple and inexpensive form of globe holder which obviates the use of the ordinary screws and which add but little to the expense of the lamp.

What I claim is:—

1. A globe holder comprising a body portion, a spring metal member adapted to encircle and clasp the upper portion of a globe, swinging arms connected to the body portion for supporting said member and means for positively drawing said member into clamping position and for holding the same in such position; substantially as described.

2. A globe holder comprising a body portion, a spring metal member adapted to encircle and clamp a portion of a globe, flexible supports for said member connected to the body portion, and means for drawing together the ends of said member and for securing the member in clamping position to the globe; substantially as described.

3. A globe holder comprising a body portion, a spring clamping ring within the body portion, and a swinging arm connected to the body portion and the clamping ring; substantially as described.

4. In a globe holder for lamps, the combination with a globe ring, of a spring ring placed within the globe ring, and depending swinging arms secured to the globe ring and supporting the spring ring; substantially as described.

5. In a globe holder for lamps, the combination with a globe ring, of a spring ring placed within the globe ring, and depending swinging arms secured to the globe ring and supporting the spring ring, together with means for positively securing the spring ring in engagement with the globe; substantially as described.

6. In a globe holder for lamps, the combination with the globe ring of a lamp having a plurality of depending swinging arms, of a spring-holding ring within the globe ring supported by said arms and having its free end portions brought outwardly through a

slot in the globe ring and having securing means; substantially as described.

7. In a globe holder for lamps, a spring ring arranged to clasp a globe; and flexible means for supporting said ring arranged to permit of an inward and upward movement of the ring when it is clasped in engagement with the globe; substantially as described.

8. In a globe holder for lamps, a spring ring arranged to clasp the globe, a swinging support for said ring within the globe holder, and mechanism for contracting the ring on the globe neck; substantially as described.

9. In a globe holder, a contracting clamping ring arranged to clasp the upper portion of the globe, a plurality of swinging arms for said ring connected to the interior of the globe holder, and adjustable take-up mechanism arranged to adjust the clamping ring to different sizes of globes; substantially as described.

10. In a globe holder for lamps, a contracting metal ring arranged to clasp the upper portion of the globe, a support for the ring, and ratchet devices arranged to engage both arms of the ring to provide for adjusting and holding the ring centrally in the globe holder in different contracted positions; substantially as described.

11. In a globe holder, a contracting clamping ring arranged to clasp the globe, a swinging arm for supporting said ring, and adjustable take-up mechanism arranged to adjust the clamping ring to different sizes of globes; substantially as described.

12. A globe holder comprising a body portion, a contracting ring arranged to clasp the globe, swinging arms for said ring connected to the body portion, and a ratchet device arranged to hold said ring in different contracted positions; substantially as described.

13. In a globe holder for lamps, a contracting metal ring arranged to clasp the upper portion of the globe, a plurality of swinging supports for said ring, and ratchet devices arranged to engage both arms of said ring to provide for adjusting and holding the ring in different contracted positions; substantially as described.

14. In a holder for shades, reflectors, or the like, the combination of a flared shell, a yieldable clip within the shell provided with an eye, the shell being provided with slots having off-set portions, and an expansible retaining ring within the shell passing freely through said eye and having ends extending through said slots and adapted to be locked about the neck of a shade by engagement with the off-set portions of said slots.

15. In a holder for shades, reflectors, or the like, the combination of a flared shell, a plurality of spring clips therein having

their lower ends bent inward toward the center of the shell and provided with eyes, an expansible retaining ring passing freely through said eyes and having prongs extending through the shell, and means for positively holding the prongs together to lock the ring about the neck of a shade.

In testimony whereof, I have hereunto set my hand.

THOMAS JAMES LITTLE, JR.

Witnesses:

JOSEPH H. JOHNSON,  
R. B. WASHINGTON.