J. M. SPEAR.

GLOBE HOLDER.

APPLICATION FILED MAY 31, 1912.

1,033,483. **Patented July 23, 1912.**

Fig. 1.

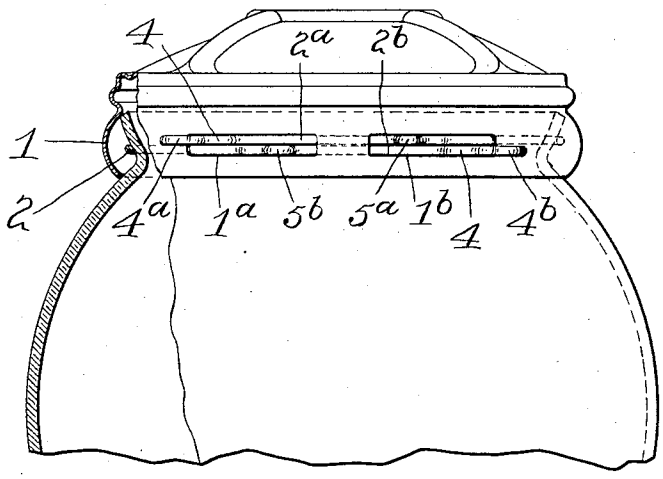


Fig. 2.

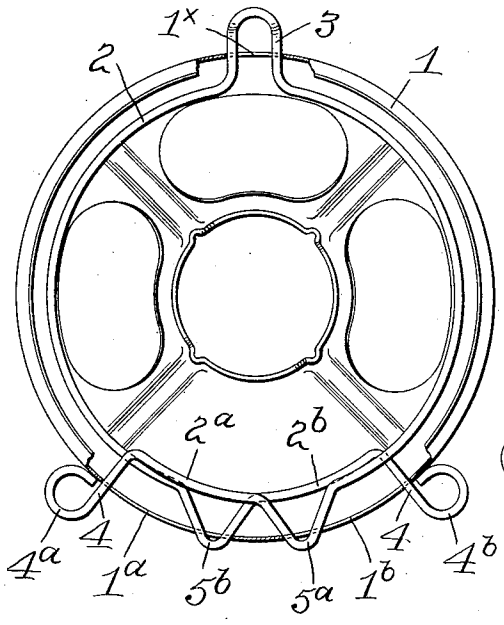
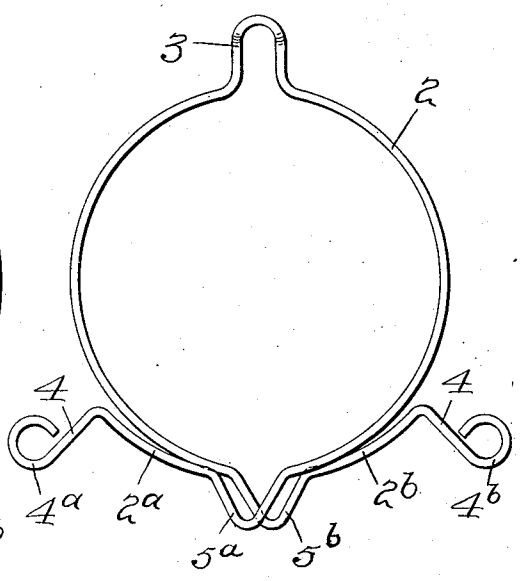


Fig. 3.



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UNITED STATES PATENT OFFICE.

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GLOBE-HOLDER.

1,033,483. Specification of Letters Patent. Patented July 23, 1912.

Application filed May 31, 1912. Serial No. 700,734.

To all whom it may concern:

Be it known that I, JAMES M. SPEAR, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Globe-Holders, of which the following is a specification.

My present invention relates to improvements in globe holders for lamps and more particularly to that class of globe holders which employ an expansible and contractible ring for grasping the neck of the globe.

The object of the invention is to provide a holder of this character having novel means for effecting the centering of the ring within the collar and for preventing sagging or twisting of the coil.

The invention comprises the novel features of construction and arrangement and combination of parts hereinafter described and particularly defined by the appended claims.

An embodiment of my invention is illustrated in the accompanying drawings in which—

Figure 1 is an elevation, partly in section, showing a collar or gallery and globe held therein, Fig. 2 is a sectional plan and Fig. 3 is a separate view of the ring.

Referring by reference characters to this drawing the numeral 1 designates a collar which is intended to be representative of the collar or gallery of any gas or electric lamp, and 2 is the holding ring. This ring has overlapping ends 2^a and 2^b and being formed of resilient material is expansible and contractible, tending normally to contract so as to grasp the annular groove or channel with which globe necks are provided. On the side opposite the overlapping ends the ring is provided with an integral substantially U-shaped bend 3 which projects outward through a slot 1^x in the collar and serves to support the ring on that side. On the opposite side the collar is provided with two adjoining slots 1^a and 1^b and the overlapping portions 2^a and 2^b of the ring are provided at their extremities with arms 4 which extend radially outward through the slots and are provided outside the collar with handle portions 4^a and 4^b which may be grasped between the thumb and finger of the operator and pressed toward each other to effect expansion of the ring or coil. These radial handle portions tend, on contraction of the coil, to bear against the ends of the slots and draw the coil to that side of the collar into an eccentric position therein. In order to effect the centering of the coil I provide the overlapping portions with V or wedge shaped bends 5^a and 5^b which also extend outward through the slots in a manner reversed with relation to the handle portions. That is, the bend 5^a of portion 2^a extends through the same slot as does the radial handle portion of overlapping portion 2^b, and vice versa the V bend 5^b extends through the same slot as does the handle on overlapping portion 2^a. Thus as the coil or ring contracts the adjacent inclines of these wedge shaped bends approach each other until they bear against the inner ends of the slots, and by their wedging action crowd the ring toward the opposite side of the collar or gallery until further motion is limited by the handle coils on the radial arms. When the handle portions are drawn toward each other to expand the coil the wedge or V shaped bends separate and as the coil or ring expands said bends are projected through the slots. In addition to the centering action above described it will be observed that I secure a double engagement of each overlapping portion with the slots of the collar, thus holding the ring firmly against sagging or tipping. It will of course be understood that each slot is made of a width double the thickness of the wire of which the ring is made.

Having thus described my invention what I claim is:—

1. In combination with the collar of a light fixture, an expansible and contractible globe holding ring suitably engaging the collar at one side and having overlapping portions at the other side, said collar having on said last named side a pair of slots, and said overlapping portions having handle portions extending through the slots and having also wedge shaped members extending through the slots.

2. In combination with the collar of a light fixture, an expansible and contractible globe holding ring suitably engaging the collar at one side and having overlapping portions at the other side, said collar having on said last named side a pair of slots, and said overlapping portions having handle

portions extending through the slots and bearing against the outer ends to limit inward movement of the ring and having also wedge shaped members extending through the slots and bearing normally against the inner ends thereof.

3. In combination with the collar of a light fixture, an expansible and contractible globe holding ring suitably connected with the collar at one side and having at the other side overlapping portions, said collar on said last named side having a pair of slots, and each of said overlapping portions having a radial arm projecting outward through one of the slots and a wedge shaped part extending outward through the other of said slots.

4. In a globe holder an expansible and contractible globe holding ring having overlapping portions each of which is provided with a terminal radial arm carrying a handle portion and an intermediate wedge shaped bend.

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

JAMES M. SPEAR.

Witnesses:
H. M. BARRETT,
R. E. OURANA.

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