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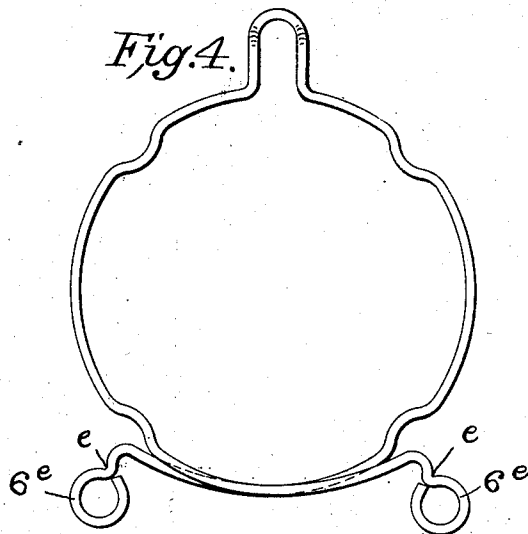
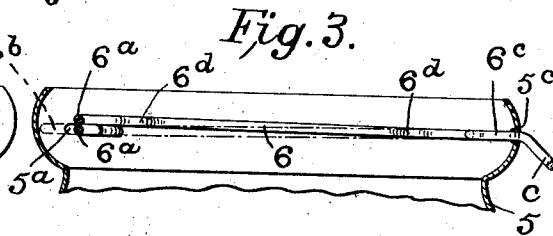
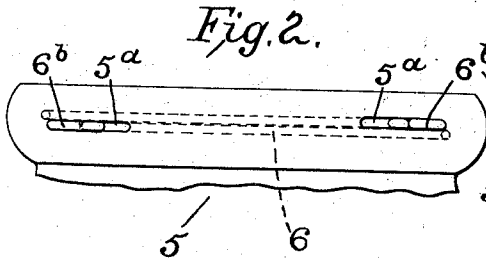
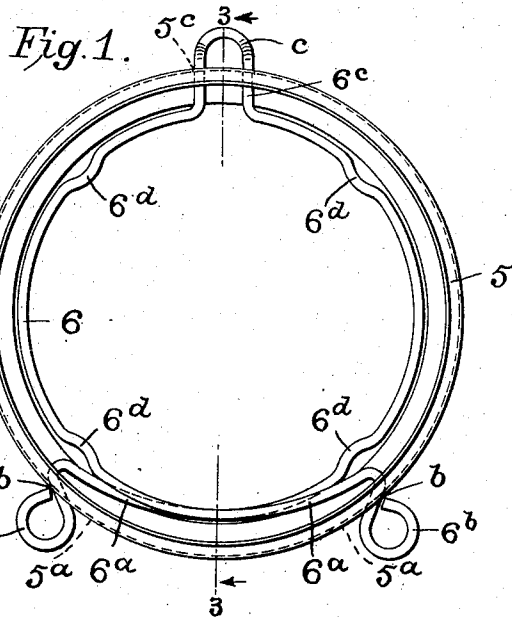
C. C. ARMSTRONG.

GLOBE HOLDER.

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1,014,433.

Patented Jan. 9, 1912.



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UNITED STATES PATENT OFFICE.

CHARLES C. ARMSTRONG, OF MARYSVILLE, OHIO.

GLOBE-HOLDER.

1,014,433.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed April 20, 1911. Serial No. 622,372.

To all whom it may concern:

Be it known that I, CHARLES C. ARMSTRONG, a citizen of the United States, residing at Marysville, Ohio, have invented certain new and useful Improvements in Globe-Holders, of which the following is a specification.

My present invention relates to improvements in that class of holders designed for securing globes to gas and electric light fixtures, and has, among others, for its objects to produce a simple and extremely economical device by which the globe will be properly centered and securely held in place and against accidental displacement, and which yet may be quickly and easily manipulated to permit the removal or replacement of the globe when desired.

The invention includes the novel features of construction and arrangement and combination of parts hereinafter described and particularly set forth in the appended claims.

A globe holder constructed in accordance with my invention is illustrated in the accompanying drawings in which—

Figure 1 is a plan view; Fig. 2 is a side elevation; Fig. 3 is a section on line 3—3 of Fig. 1; and Fig. 4 is a detail view of a modification.

Referring by reference characters to this drawing, the numeral 5 designates the globe holding collar which may be of the ordinary or any desired construction for holding the globes of either upright or inverted burners. The means for retaining the globe in place in the collar comprises a spring wire 6 bent into approximately circular form and with the ends overlapping as indicated at 6^a, the spring of the wire tending to contract it into a circle of smaller diameter than the retaining flange with which all globes are provided. The ends of the overlapping portions 6^a of the wire are extended approximately radially outward through elongated slots 5^a in the side of the collar, and are provided with knobs or handles to be grasped by the thumb and finger by which they may be drawn toward each other when the globe is to be released. The handles are formed by bending the ends into a loop or circle 6^b and these circular portions, coupled with the bend of the wire adjacent thereto, provide notches 6^c which engage the metal of the collar at the outer ends of the slots and cause the coil of the holder to

be held in a concentric position within the collar when in its contracted position, thus properly centering the globe and preventing any movement of the holder within the collar and consequent rattling. On its opposite side the coil 6 is provided with an integral radial loop or projection 6^e which extends through a slot 5^e in the wall of the holder. This serves to support the opposite side of the coil, and in order to further guard against accidental displacement of the coil the outer end of the projection is bent downward as indicated at c. The coil is preferably provided with humps or small inward bands as indicated at 6^d which bear against the globe and prevent contact of the coil with the glass throughout its entire extent, thus reducing the liability of breaking of the glass.

From the foregoing description it will be seen that normally the globe is firmly retained by the contraction of the coil which is held properly centered in the holder by the notches of the outwardly extending ends, but when the globe is to be released the ends of the coil are drawn toward each other, thus causing enlargement of the coil until it is of a size sufficient to permit the ends to be drawn together until the coil bears against the interior wall of the holder all around, which insures disengagement of the coil with the flange of the globe throughout the entire circumference thereof.

Instead of the handles on the ends of the coil being formed by outward bending of the ends, as indicated at 6^b, they may be formed by inward bends as indicated at 6^c and the notches or recesses formed by reverse bends of the wire as indicated at e.

Having thus described my invention what I claim is:—

1. The combination with a collar, of a holder consisting of a piece of resilient material bent to form a coil with overlapping parts, said collar having elongated slots and said overlapping parts having terminal handle portions extending outwardly through the slots, and having centering notches for engaging the outer ends of the slots.

2. The combination with a collar, of a holder consisting of a piece of resilient material bent to form a coil with overlapping parts, said collar having elongated slots and said overlapping parts having terminal handle portions extending outwardly through

the slots, said handle portions being formed by approximately circular bends of the ends of the wire, said bends providing notches for engagement with the outer ends of the slots.

3. The combination with a collar, of a holder consisting of a piece of resilient material bent to form a coil with overlapping parts, said collar having elongated slots and said overlapping parts having terminal handle portions extending outwardly through the slots, and having centering

notches for engaging the outer ends of the slots, said coil having on the side opposite said overlapping parts an integral projection seated in a slot in the holder and provided with a deflected retaining end.

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

CHARLES C. ARMSTRONG.

Witnesses:

E. W. PORTER,
O. H. THORPE.

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