April 28, 1925. 1,535,696

P. W. SPRECHER

CEILING COLLAR ATTACHING MEANS

Filed Dec. 13, 1923

Fig. 1

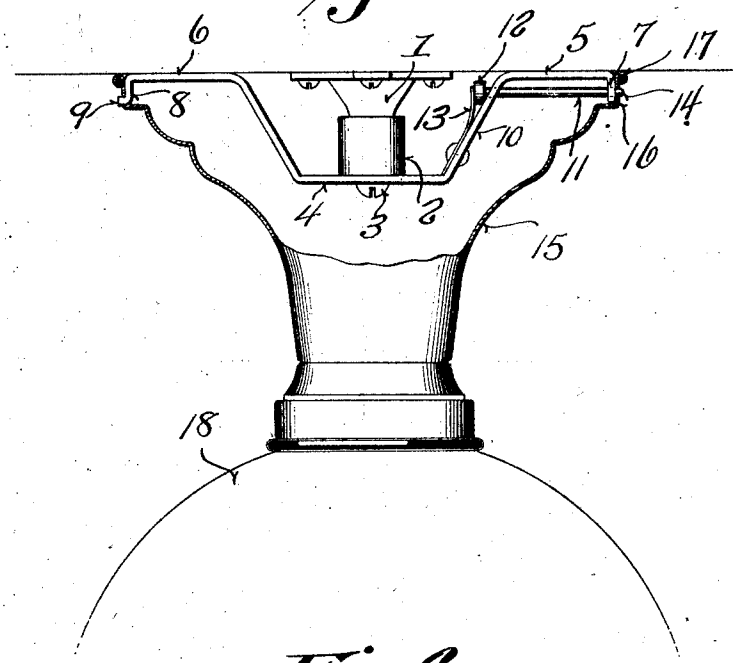
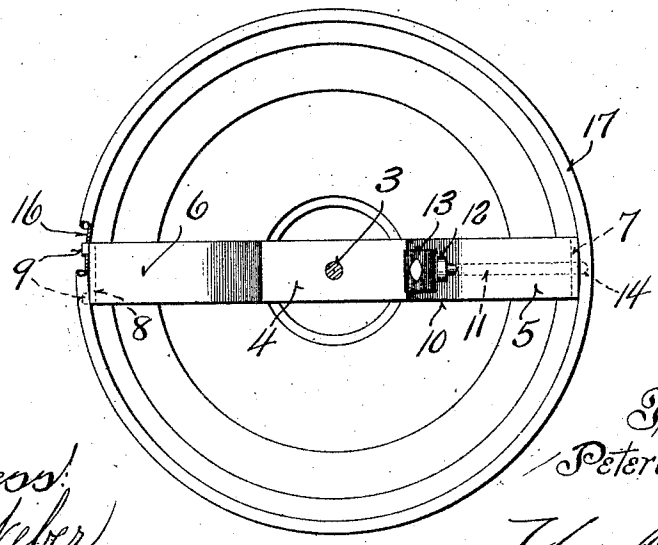


Fig. 2



Witnesses:
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UNITED STATES PATENT OFFICE.

PETER W. SPRECHER, OF MILWAUKEE, WISCONSIN.

CEILING-COLLAR-ATTACHING MEANS.

Application filed December 13, 1923. Serial No. 680,420.

To all whom it may concern:

Be it known that I, PETER W. SPRECHER, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Ceiling-Collar-Attaching Means; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention relates to ceiling collar attaching means.

Objects of this invention are to provide an attaching means for ceiling collars which may be quickly applied and with which the ceiling collar will readily cooperate to securely retain it in position, and to provide means whereby the ceiling collar may be attached to the retaining means by merely pressing the collar upwardly against such means while giving it a slightly rocking motion, thus avoiding the usual laborious work of securing the ceiling collar in position.

Further objects are to provide a ceiling collar attaching means which is inexpensive, which may be readily constructed, and which is of strong construction.

An embodiment of the invention is shown in the accompanying drawings, in which:—

Figure 1 is a side elevation of a ceiling collar showing the device in position, such view having parts broken away to illustrate interior construction.

Figure 2 is a view of the device detached from the fixture outlet or supporting portion.

In mounting electrical fixtures, it is customary to provide a supporting stem such as indicated at 1 in Figure 1 to which the fixture may be attached. Upon this supporting stem a cap 2 is positioned and a screw 3 threaded thereinto. A yoke member having a transverse portion 4 is provided with a centrally located aperture adapted to receive screw 3, as shown in the drawings, and is adapted to be retained in position with its outer arms 5 and 6 in contact with the ceiling. These arms are provided with downturned flanged portions 7 and 8, respectively. The flange 8 is provided with a pair of outwardly projecting tongues 9 and the flange 7 is provided with an aperture therethrough aligned with a similar aperture in the slanting portion 10 of the yoke. A plunger 11 is reciprocally mounted in these apertures, as shown in Figure 1, and is provided with an inner enlarged or flanged terminal 12. This terminal is pressed outwardly by means of a spring or other suitable means, as indicated at 13 in Figure 1, to cause the outer rounded portion 14 of the plunger to project beyond the flange 12. The ceiling collar or canopy 15 is provided with an upper flange 16 which terminates in a rolled reenforced upper edge 17. One side of this flange is provided with a pair of apertures adapted to receive the tongues 9, as shown in the drawings, and the other side is provided with an aperture adapted to receive the plunger 14. The canopy may be of any desired type. As shown in the drawings it is adapted to hold a globe 18.

In applying the apparatus, it is merely necessary to hook the tongues 9 into the apertures in the flange 16 of the canopy and thereafter rock the canopy into position. The round terminal 14 of the plunger 11 will be pressed inwardly by the rounded bead 17 of the canopy flange and will thereafter snap into the appropriate aperture provided in such flange, thus securely locking the ceiling collar in position.

As is well known, it is difficult to manipulate screw drivers or other instruments closely adjacent the ceiling and consequently difficulty has been experienced in securing these collars in position without marring the ceiling. However, in the practice of this invention the ceiling collar may be readily positioned without requiring the use of any tools and consequently without any danger whatsoever of marring the ceiling. Further than this the contact of the ceiling collar with the ceiling is assured by this construction.

Obviously, different forms of yokes may be employed to accommodate different fixture supporting stems and other changes may be made in the construction of the device. It is, therefore, intended that although the invention is described in considerable detail that it is to be limited only as claimed.

I claim:

An electric fixture adapted to be supported from a fixed stem, said fixture comprising a transversely extending strap apertured for attachment to said stem, and having upwardly and outwardly extending arms on

opposite sides of said stem, one of said arms having a fixed projecting tongue at its outer end, the other of said arms being apertured, a plunger slidably carried in the apertures of such arm and having an enlarged head located on the inner side of such arm, a leaf spring secured to such arm and yieldingly pressing against said head, and a canopy having apertures for the reception of said tongue and said plunger.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin.

PETER W. SPRECHER.