April 8, 1952 C. E. MOSLEY 2,592,315

UNIVERSAL ELECTRIC FIXTURE HANGER

Filed Sept. 30, 1948

Fig. 1.

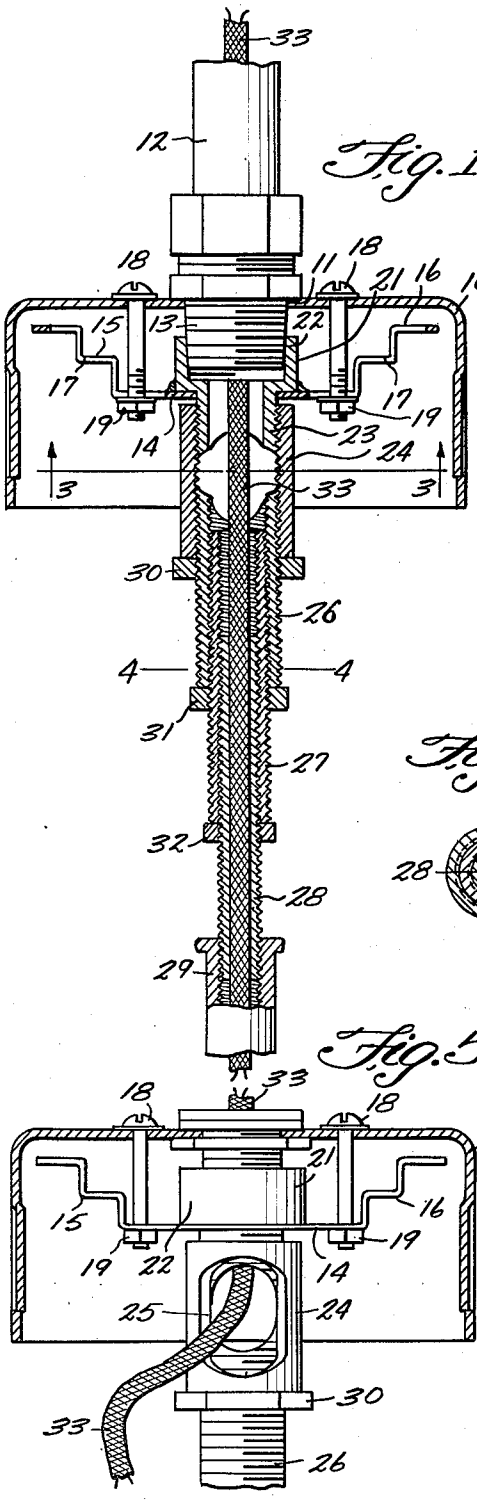


Fig. 2.

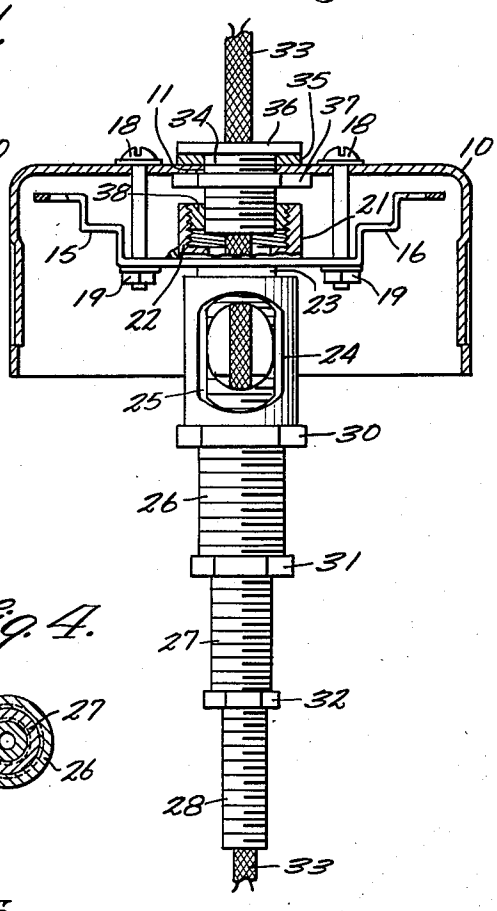
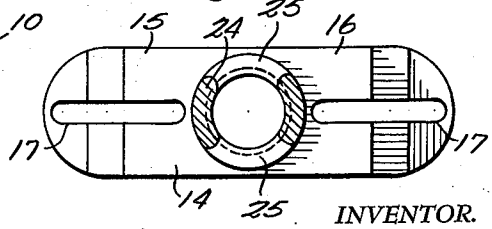


Fig. 4.

Fig. 5.

Fig. 3.



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UNIVERSAL ELECTRIC FIXTURE HANGER

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2 Claims. (Cl. 248—343)

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This invention relates to electric wiring equipment, and more particularly to a hanger for electric fixtures.

The object of the invention is to provide an adjustable hanger for attaching ceiling fixtures to an electric outlet box.

Another object of the invention is to provide a hanger which can be adjusted lengthwise to support electric fixtures.

A further object of the invention is to provide an electric fixture hanger which is extremely simple and inexpensive to manufacture.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this application, and in which like numerals are employed to designate like parts throughout the same:

Figure 1 is a front elevational view, in section, of the electric fixture hanger attached to a standard outlet box and a conduit;

Figure 2 is a front elevational view of the electric fixture hanger attached to an outlet box;

Figure 3 is a sectional view of the hanger taken on the line 3—3 of Figure 1;

Figure 4 is a sectional view taken on the line 4—4 of Figure 1;

Figure 5 is a fragmentary front elevational view of the hanger for use with a fluorescent fixture and illustrating an electrical cable passing through a side opening in the hanger.

Referring to the drawings in detail, and particularly to Figures 1, 3 and 4 thereof, the numeral 10 designates a standard outlet box provided with an aperture 11 in its top. A conduit 12 has a threaded connection or fitting 13 projecting down through the aperture 11 for a purpose to be hereinafter described.

The hanger for supporting an electric fixture such as a ceiling lamp, comprises an anchoring bar 14 provided with a pair of opposed fluted feet 15 and 16. Each of the feet 15 and 16 is provided with an elongated slot 17, Figure 3, for receiving an end of a bolt 18, the bolt 18 extending from the top of the outlet box 10 through slot 17, and a castle nut 19 is threaded on the end of the bolt 18 to provide releasable support for the hanger.

Extending through the center of the anchoring bar 14 and secured thereto, as by welding, is a bushing 21. The bushing 21 includes an upper internally-threaded socket 22 for threadedly receiving the threaded fitting 13, and the bushing 21 also includes an exteriorly-threaded lower portion 23 having threaded thereon an interiorly-

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threaded cuff 24. The cuff 24 has a pair of opposed openings or apertures 25. Arranged in threaded engagement with the lower portion of the exteriorly-threaded cuff 24 is a first open-ended screw section 26 which is threaded interiorly and exteriorly. A second open-ended screw section 27 is threaded exteriorly and interiorly and is arranged in threaded engagement with the threaded interior of the first section 26. A third open-ended screw section 28 is threaded interiorly and exteriorly and is arranged in threaded engagement with the threaded interior of the second section 27. The lower or threaded section 28 is threadedly received in the top of any suitable electric fixture 29 to be supported, Figure 1. A plurality of lock sleeves 30, 31 and 32 are threaded on the sections 26, 27 and 28, respectively, for releasably securing each of the sections in its adjusted position. Extending through conduit 12, fitting 13, through the bushing 21, through the telescoping sections of the hanger, and through the top 29 of the fixture, is cable 33 for electrically connecting the fixture being supported to a source of electric energy.

Referring to Figure 2 of the drawings, the electric fixture hanger is shown attached to a standard outlet box 10 that does not have a conduit and fitting projecting through the top thereof. Thus, there is an exteriorly-threaded stud 34 projecting through the aperture 11 in the top of the outlet box 10, there being a suitable washer 35 interposed between the top of the box 10 and the flange 36 of the stud 34 and a lock nut 37 abuts the other side of the outlet box and is threaded on the stud 34. An adapter 38, which is threaded exteriorly and interiorly, serves to connect the lower portion of the stud 34 to the socket 22 of the bushing 21 which is part of the fixture hanger. In Figure 5, the hanger is shown attached to an outlet box in the same manner as in Figure 2, but the electric cable 33 extends through one of the side openings 25 in the cuff 24, and this adaptation is especially useful in installations of fluorescent fixtures.

In use of the arrangement illustrated in Figure 1, the hanger provides a convenient device for dependingly supporting an electrical fixture 29 from an outlet box 10. Thus, the anchoring bar 14 is releasably attached to the outlet box by means of the bolts 18, and further support is provided by the connection between the fitting 13 and bushing 21. The screw sections 26, 27 and 28 are telescopically arranged so that the distance between the fixture 29 and outlet box 10 may be varied as desired and locked in place

by means of the lock sleeves. In Figure 2, the hanger is shown attached to an outlet box **10** which does not have a conduit **12** and fitting **13**. Thus, a stud **34** and adapter **38** connect the outlet box **10** to the top of the hanger to supplement the bolts **18** in supporting the hanger and fixture carried therebetween. In Figure 5, the hanger is shown as used for supporting a fluorescent-type fixture, the cable **33** passing through one of the apertures **25** in the cuff **24** and extending to a suitable fixture.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

1. In a hanger for electric fixtures, the combination with an outlet box provided with an aperture in its top, a conduit having a threaded fitting projecting through said aperture, of an anchoring bar arranged in said outlet box, a bushing extending through the center of the anchoring bar and secured to said anchoring bar and having an upper internally threaded socket for receiving said fitting, said anchoring bar including a pair of opposed fluted feet, each of said feet being provided with an elongated slot, securing elements extending through said slots and into engagement with said outlet box, said bushing including an exteriorly threaded lower portion, a cuff provided with a pair of opposed apertures threadedly engaging the lower portion of said bushing, a first open-ended screw section arranged in threaded engagement with the lower portion of said cuff, a second open-ended screw section threaded exteriorly and interiorly and arranged in threaded engagement with the interior of said first screw section and mounted for telescopic movement into and out of the latter, a third open-ended screw section threaded interiorly and exteriorly and having an end arranged in engagement with the threaded interior of said second screw section and mounted for telescopic movement into and out of the latter, the other end of said third screw section adapted to be connected to an electric fixture, and means for maintaining said section immobile.

2. In a hanger for electric fixtures, the combination with an outlet box provided with an aperture in its top, a conduit having a threaded fitting projecting through said aperture, of an anchoring bar arranged in said outlet box, a bushing extending through the center of the anchoring bar and secured to said anchoring bar and having an upper internally threaded socket for receiving said fitting, said anchoring bar including a pair of opposed fluted feet, each of said feet being provided with an elongated slot, securing elements extending through said slots and into engagement with said outlet box, said bushing including an exteriorly threaded lower portion, a cuff provided with a pair of opposed apertures threadedly engaging the lower portion of said bushing, a first open-ended screw section arranged in threaded engagement with the lower portion of said cuff, a second open-ended screw section threaded exteriorly and interiorly and arranged in threaded engagement with the interior of said first screw section and mounted for telescopic movement into and out of the latter, a third open-ended screw section threaded interiorly and exteriorly and having an end arranged in engagement with the threaded interior of said second screw section and mounted for telescopic movement into and out of the latter, the other end of said third screw section adapted to be connected to an electric fixture, and means for maintaining said section immobile, said last-named means comprising a lock sleeve arranged in threaded engagement with each of said sections.

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