May 16, 1944. F. H. RENNER 2,349,003

FIXTURE SUPPORT

Filed May 27, 1941 2 Sheets-Sheet 1

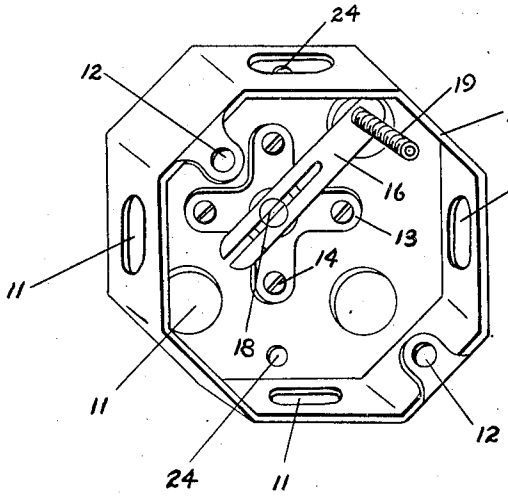


Fig. 1

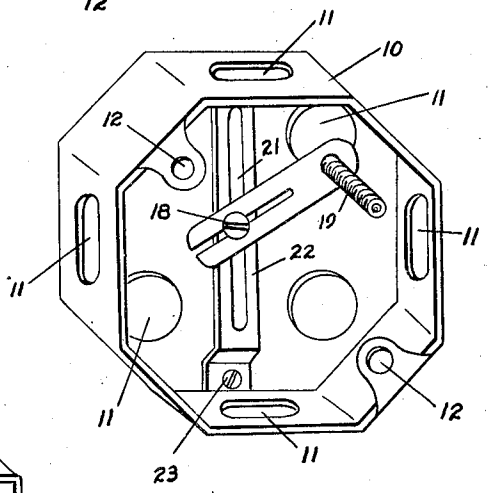


Fig. 2

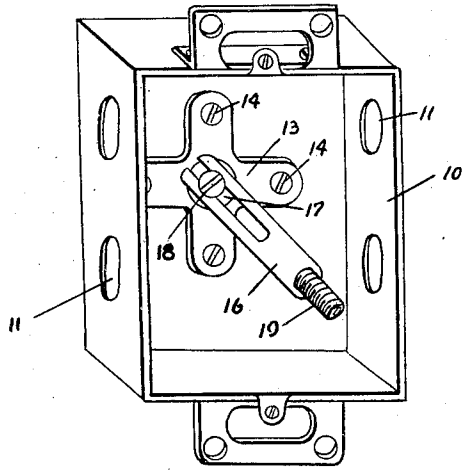


Fig. 3

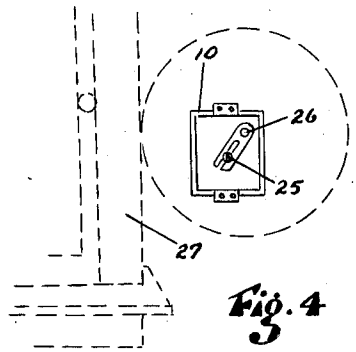


Fig. 4

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FIXTURE SUPPORT

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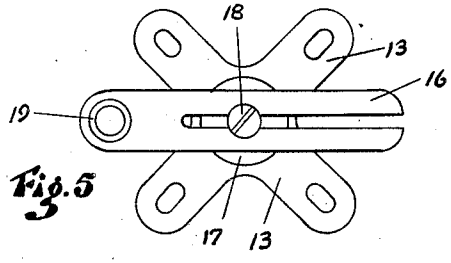


Fig. 5

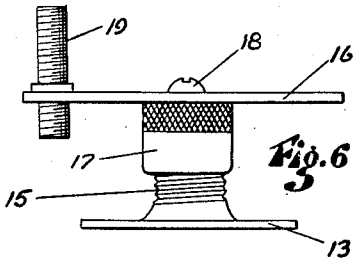


Fig. 6

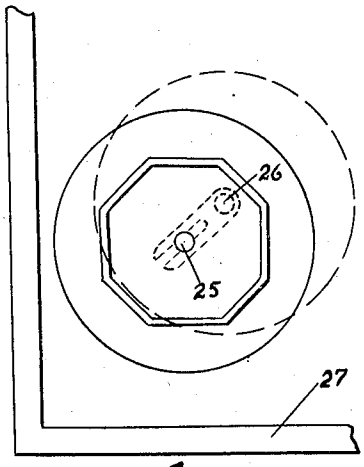


Fig. 7

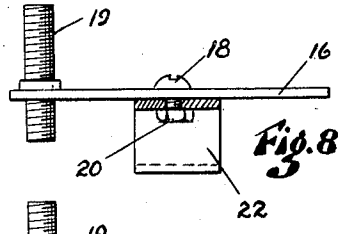


Fig. 8

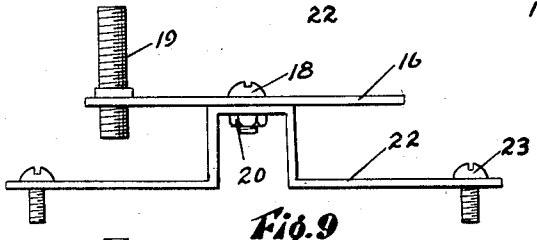


Fig. 9

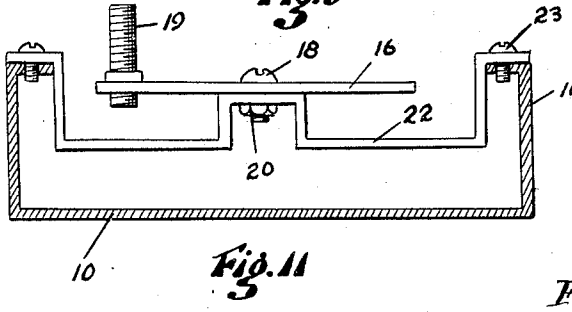


Fig. 11

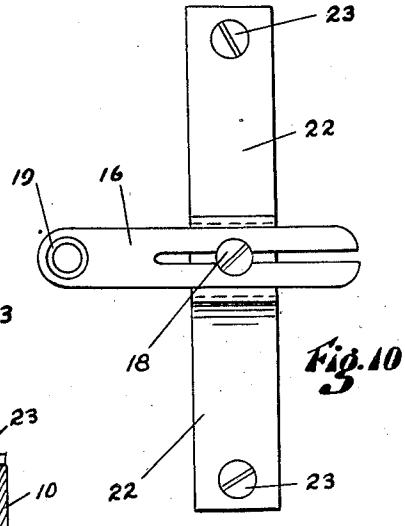


Fig. 10

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UNITED STATES PATENT OFFICE

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FIXTURE SUPPORT

Fred H. Renner, Milwaukee, Wis.

Application May 27, 1941, Serial No. 395,491

2 Claims. (Cl. 174—54)

My invention relates to improvements in fixture supports and more particularly to the type of support that is adaptable for use with any conventional type of conduit container such as is used in ordinary home wiring or the like.

The object of my invention is to provide a means that will enable a fixture to be hung or placed in a convenient and proper position on the wall or ceiling when the original conduit box is not placed in the proper position.

The device is applicable to both wall and ceiling boxes and permits hanging the fixture up, down or sideways from the center support in the conduit box.

Quite frequently a new type of fixture is installed, having a larger wall or ceiling shell than the old fixture which is being replaced, and the increased size of the shell very often interferes especially when a fixture is close to a wall, a cabinet or a window frame.

Another object of my invention is to provide a device to permit a variation in the location of the fixture without in any way changing the conduit box arrangement or interfering with its efficiency.

Other and further objects of my invention will become more apparent as the description proceeds when taken in conjunction with the drawings in which

Figure 1 is a conventional octagon type of conduit box in which the device is attached to a crowfoot mounting in the center of the conduit box.

Figure 2 shows a similar type of conduit box in which the fixture mounting is shown attached to a slotted support fastened to the inside wall thereby permitting a radial adjustment.

Figure 3 is a similar device mounted by means of a crowfoot in the center of a square conduit box arrangement.

Figure 4 illustrates in phantom the method employed when a fixture having a large wall shell or the like is installed when the actual conduit box is too close to a cabinet illustrated in phantom.

Figure 5 is a top or plan view of the device applied to a crowfoot.

Figure 6 is a side view of the device illustrated in Figure 5.

Figure 7 illustrates in phantom the device as applied to a conduit wall box in which the entire fixture is moved away from a partition or the like.

Figure 8 is a fragmentary cross-sectional view of the device applied to a slotted strap or the like.

Figure 9 is a side view of Figure 8 showing the adjustable feature applied to a strap type mounting.

Figure 10 is a plan view of a mounting as is shown in Figure 9 and

Figure 11 shows a modified form of a strap mounting as applied to a conventional type of conduit box recessed into the wall.

Similar characters of reference indicate corresponding parts throughout the several views and referring now to the same the Figure 10 shows a standard type of conduit box such as is commonly used when wiring homes or the like having what is commonly known as knock-outs and projecting members 12 disposed for mounting wall plates not shown. In Figure 1 I show a crowfoot 13 mounted onto the inside of the conduit box 10 by means of screws 14. This is a standard and conventional type of fixture mounting and is provided with an outwardly projecting member 15 threaded for attachment of the fixture.

My device consists of a slotted projecting arm 16 mounted onto a threaded cap 17 by means of a screw 18. The threaded cap 17 is adapted for engagement with the outwardly projecting member 15 by means of a thread. In this manner when the cap 17 is securely fastened to the member 15 of the crowfoot 13 the screw 18 retains the slotted arm 16 in any predetermined position radial with the screw 18.

On the depending end of the arm 16 is shown a threaded tubular member 19 engaging the arm 16 by means of a threaded aperture as shown. The tubular member 19 is employed as a fixture adaptor and inasmuch as the arm 16 is threaded it is possible to adjustably position the tubular member 19 to any height.

In Figure 2 the screw 18 is shown having a nut arrangement 20 (see Figs. 8, 9 and 11) on its threaded end and the screw 18 projects through a slot 21 provided in a strap 22 which strap is fastened to the wall of the conduit box 10 by means of screws 23 in the threaded apertures 24 of the conduit box.

The strap 22 is shown in modified forms in Figures 9 and 11 to illustrate the various methods that may be employed to mount the strap 22 into position in the conduit box 10 where it will provide the most adjustment for the arm 16 and the tubular member 19.

In Figure 4 is shown a typical installation in which the center of the fixture hanging position is changed from the original position 25 to the new position of the tubular member 19 at 26.

This is also demonstrated in Figure 7 where the new position 26 permits the entire fixture

to be brought outward and away from the wall 27. This would not be possible if the original mounting position 25 were employed.

Obviously a device providing a slotted projecting arm as shown will permiit any radial position in the conduit box or above its surface thereby greatly aiding the artisan in making fixture installations and eliminating costly labor and time in the correct positioning of the conduit box during its installation.

The invention is susceptible to various changes in its form and minor details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

Having thus described my invention what I claim and desire to secure by Letters Patent in the United States is:

1. A device of the character described comprising in combination with a conduit receptable, a longitudinal attaching member fastened to the inner wall of said receptacle, said member being provided with a longitudinal slot, a support arm, said support arm being provided with a longitudinal slot, means for pivotally fastening said support arm to said attaching member at the intersection of the slots, and an attaching means on said support arm projecting outwardly at right angles thereto for mounting of a fixture or the like.

2. A device of the character described comprising a conduit receptacle, an attaching member, said member being provided with a longitudinal slot in its medial portion, means for fastening said attaching member at both its ends to the inner wall of said receptacle, a support arm, said arm being provided with a longitudinal slot, fastening means disposed through the slots of said attaching member and support arm, said fastening means being arranged to clamp said support arm to said attaching member at a predetermined position, and a fixture support attached to the outwardly extending end of said support arm at right angles thereto.

FRED H. RENNER.