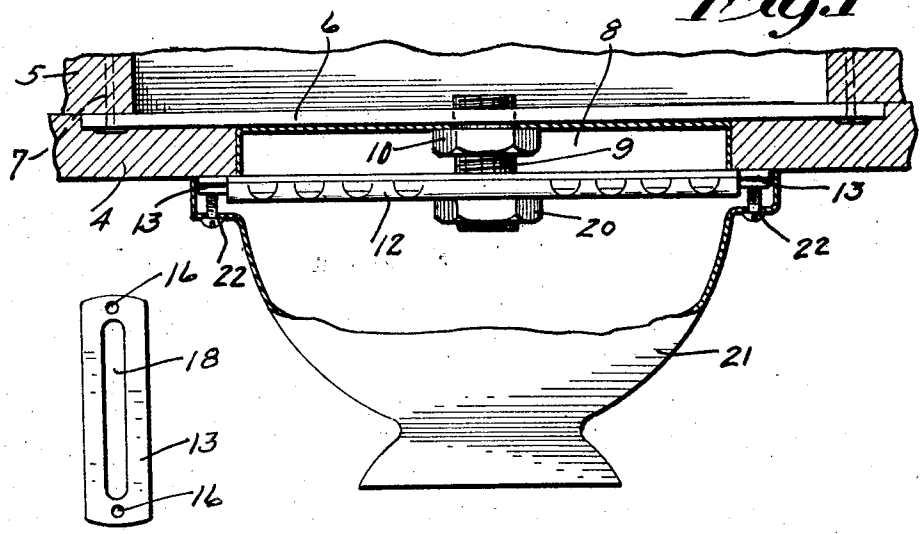
Feb. 22, 1927. 1,618,610

M. A. TIERNEY

FIXTURE ATTACHING STRAP

Filed Aug. 14, 1924

Fig. 1



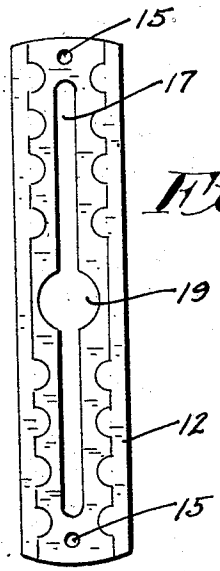


Fig. 2.

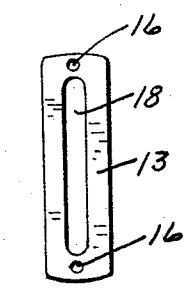
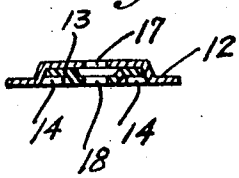


Fig. 3



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UNITED STATES PATENT OFFICE.

MILES A. TIERNEY, OF MINNEAPOLIS, MINNESOTA.

FIXTURE-ATTACHING STRAP.

Application filed August 14, 1924. Serial No. 732,054.

My present invention relates to electric light fixture attaching straps of the type disclosed and broadly claimed in my co-pending application filed February 28, 1924, under Serial Number 695,871 and has for its object to improve the same in the several particulars hereinafter noted.

This invention is applicable to standard outlet boxes and the like and is especially adapted for use in connection with ceiling outlet boxes for attaching ceiling fixtures thereto. Said invention is adjustable to ceiling fixtures of different sizes and affords, as in my above identified application, a permanent ground for the attached fixture.

To the above end generally stated the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claim.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings:

Fig. 1 is a view partly in side elevation and partly in vertical section showing a fixture canopy attached to a commercial ceiling outlet box;

Fig. 2 is an elevation of the fixture strap with the movable members separated therefrom; and

Fig. 3 is a view of the fixture strap in transverse section.

The numeral 4 indicates a ceiling structure and the numeral 6 indicates a metal bridge bar secured to joists 5 thereof by nails 7 driven into said joists through apertures in the bridge bar. A commercial outlet box 8 is secured in the ceiling 4 with its back engaging the bridge bar 6 and with its open face flush with the outer face of said ceiling. For the purpose of this case it will not be necessary to show the conduit and wires leading to the outlet box 8. A screw threaded fixture stud 9, anchored to the bridge bar 6, extends into the outlet box 8 through a central aperture in the back thereof and is securely held in said box by a nut 10 on said fixture stud and which nut impinges against the inner face of said back and securely holds the outlet box 8.

The fixture strap comprises a fixed channel bar 12 and a pair of movable bars 13 slidably mounted in the fixed bar 12 and forms adjustable end extensions therefor. These movable bars 13 are slidably held in the fixed channel bar 12 by a plurality of retaining lugs 14 cut and pressed from said fixed bar. In each end of the fixed bar 12 is a screw-threaded hole 15 and in each end of each movable bar 13 is a screw-threaded hole 16. A longitudinal slot 17 is formed in the fixed bar 12 and a longitudinal slot 18 is formed in each movable bar 13. At the longitudinal center of the fixed bar 12 the slot 17 is expanded to form an aperture 19 through which the fixture stud 9 projects.

A nut 20 applied to the fixture stud 9 impinges against the outer face of the fixed bar 12 and clamps the same on the rim of the outlet box 8. A ceiling fixture canopy 21 is secured to the ceiling by screws 22 inserted through diametrically opposite holes in said canopy and screwed into the outermost holes 16 in the movable bars 13.

After the fixture strap is attached to the fixture stud 9, the movable bars 13 are slidably adjusted to position their outer holes 16 the same distance apart as the holes in the canopy 21 to receive the screws 22.

From the above description, it is evident that the above described fixture strap may be very quickly applied to a fixture stud and adjusted to receive a canopy.

What I claim is:

The combination with an outlet box, and a fixture-supporting stud carried thereby, of a fixture strap comprising a fixed intermediate bar and a pair of movable bars slidably adjustable on said fixed intermediate bar and forming end extensions thereof, the said fixed bar and end bars having coincident slots, said fixed bar spanning the open face of the outlet box and having an aperture through which said fixture stud projects, means on said stud for clamping said fixed bar against the outlet box, and means for attaching a fixture to the ends of said movable end bars.

In testimony whereof I affix my signature.

MILES A. TIERNEY.