June 12, 1934. J. A. HOEGGER 1,962,739

FIXTURE ATTACHMENT

Filed Nov. 16, 1932

Fig. 1

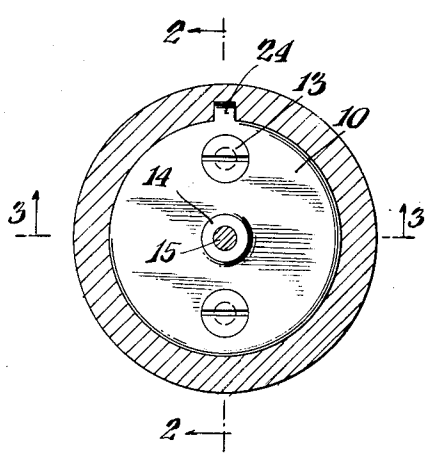


Fig. 2

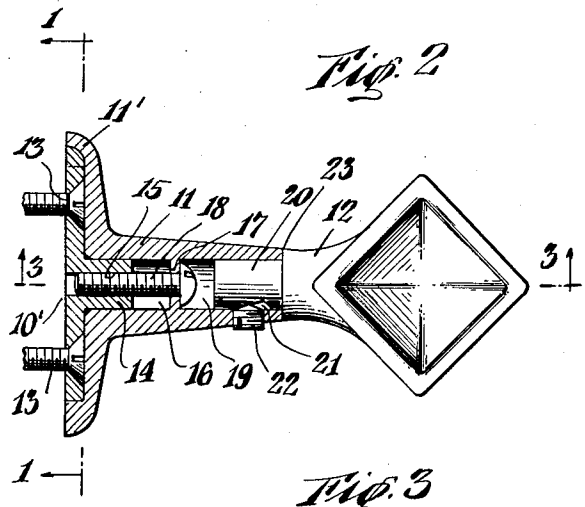


Fig. 3

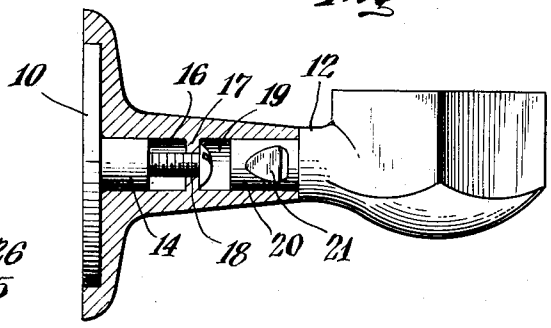


Fig. 6

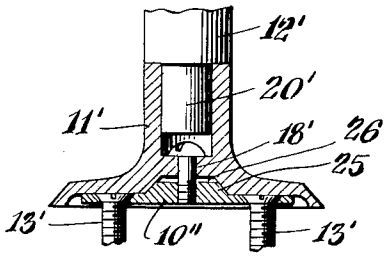


Fig. 4

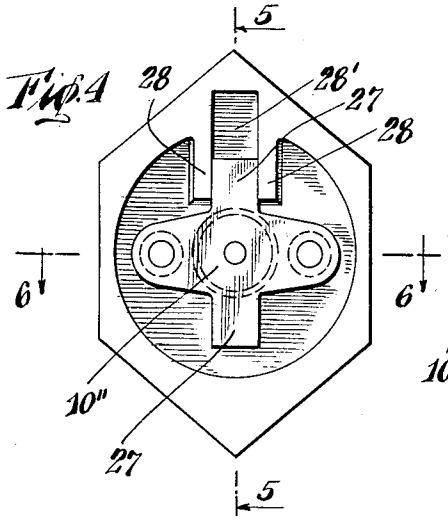
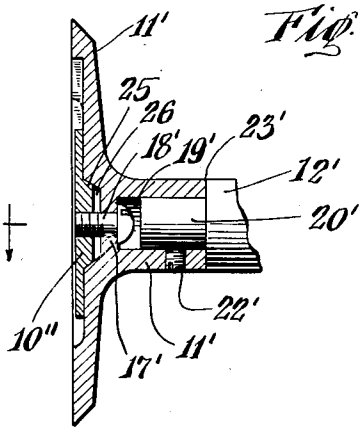


Fig. 5



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Patented June 12, 1934 1,962,739

UNITED STATES PATENT OFFICE

1,962,739

FIXTURE ATTACHMENT

Joseph A. Hoegger, North Bergen, N. J.

Application November 16, 1932, Serial No. 642,835

4 Claims. (Cl. 248—20)

My invention relates to fixture supports and the like and is particularly adapted for securing to a wall or ceiling articles such as bathroom accessories or electric light fixtures or other devices in which it is desirable to obtain a securing and supporting means which is concealed.

In my Patent No. 1,636,364 I described a concealed fixture support and one in which the fixture was drawn snugly against the supporting surface during the securing operation. However, it is sometimes found inadvisable and expensive to cast the fixture in one piece due to the difficulty, for example, of obtaining rapidly and cheaply a cast article having a relatively complicated form at its outer end.

My present invention, therefore, is directed to obtaining a concealed type of fixture support and the fixture base for attachment thereto which is of such a simple form that it can be rapidly and cheaply produced and which is adaptable for use with many different types or forms of fixtures.

One of the primary objects of my invention, therefore, is to obtain a fixture and concealed fixture support which can be rapidly and cheaply produced and which avoids the necessity for casting an intricate article.

Another object of my invention is to obtain a fixture and concealed fixture support which may be readily attached to a supporting surface and which may be used in a variety of ways.

Other objects and advantages of my invention will become apparent from the following description and drawing and in which:

Figure 1 is a plan view of my fixture support taken at 1—1 of Figure 2;

Figure 2 is a cross-sectional detail of my fixture support, fixture base and fixture taken at 2—2 of Figure 1.

Figure 3 is also a partial cross-sectional detail of my fixture support, fixture base and fixture taken at 3—3 of Figure 2;

Figure 4 is a rear view of a modification of my fixture support and fixture base;

Figure 5 is a section of the modification of Figure 4 taken at 5—5 of Figure 4; and

Figure 6 is a sectional view taken at 6—6 of Figure 4.

Referring now more particularly to the drawing in which like reference characters denote like parts, my device consists primarily of the fixture support 10, the supported fixture base 11 and its outer section 12 to form a complete fixture which in the drawing, Figures 2 and 3, I have indicated as a towel bar support. The fixture base 11 is adapted to receive any type of fixture, the particular outer fixture 12 and fixture base 11 being formed with stems which accurately meet at their adjacent ends to give a continuous design and the effect of a single cast fixture. The fixture support 10 is formed as a base plate which may be attached to a supporting surface 10' by means of the screws 13. Extending out from this base plate or fixture support 10 there is a stud 14 which has an interior threaded portion 15. This stud is adapted to be inserted in a recess 16 in the fixture base 11. The fixture base also has an extending flange 11' which forms a recess for enclosing and covering the base plate of the fixture support 10. The fixture base 11 has in its stud receiving recess 16 an inwardly projecting circular flange 17 through which a threaded bolt 18 may be inserted. This bolt after extending through the inner flange 17 is threaded into the stud 14 at the threaded portion 15 and upon tightening the bolt, the fixture base 11 is tightly drawn against the supporting surface 10' and/or base plate 10. As a result, the base plate is completely covered and the support for the fixture is concealed.

At the outer end of the fixture base 11, there is another recess 19 which may be, if desired, a continuation of the recess 16. This recess 19 receives the stem 20 of the outer fixture part 12. The stem 20 preferably has in it a grooved or bevelled portion 21 which is so positioned that the set screw 22 threaded in the fixture base 11 bears against it. The outer edge of the fixture base 11 and the inner abutting edge of the outer fixture 12 are so formed as shown at 23 that they form a substantially continuous surface, and the fixture parts 11 and 12 together form a complete fixture and give the entire fixture a unitary design. The base plate of the fixture support 10 may be formed with a lip 24 adapted to lie in a corresponding recess in the flange 11' so that the fixture base 11 may be properly placed and retained in position upon the supporting plate 10 and stud 14. After the stem 20 of the outer part of the fixture has been inserted in the recess 19 of the fixture base 11, it is drawn into the recess and the abutting surfaces 23 held firmly together by tightening the set screw 22. This set screw bears against the bevelled surface 21 and draws inwardly the fixture part 12 and also prevents it from rotating or removal.

I have shown in Figures 4, 5 and 6 a modification of my device, although the general principles are the same. In this modification, the base plate 10'' is formed with extending portions 27.

The inner surface of the fixture base 11' is formed with projections 28 to give a recessed portion 28'. This recessed portion is adapted to receive one of the projections of the base plate 27. The base plate 10'' of this modification has also a bevelled projecting portion 25 which fits within a corresponding recess 26 in the fixture base. This bevelled extension 25 on the base plate 10'' and corresponding recess in the fixture base 11' acts as a centering means in applying the fixture and the screw 18' passes through the inwardly extending flange 17' and is threaded into the base plate as already described in connection with the first form shown in Figures 1 to 3, inclusive. The outer portion of the fixture base 11' is also formed with a recess 19' into which a stem 20' of the outer end of the fixture 12' projects. The two portions of the fixture are firmly and rigidly held together upon tightening the set screw 22' and it is also desirable in this case to have the abutting surfaces give the appearance of being substantially continuous as indicated at 23'. The fixture is prevented from rotating upon the fixture support by the projection 27 of the base plate lying between the abutments 28 on the inner side of the recess of the flange 11'. By forming the base plate 10'' with two projections 27, it is possible to easily reverse the fixture as desired and application of the fixture to the supporting surface is facilitated.

It will be seen that my fixture and fixture support disclosed herein may be quickly and easily attached to a supporting surface and that such attachment will be rigid and secure with no possibility of later becoming loose from continued use. My device is easily centered and, furthermore, during the attaching operation, the fixture parts are drawn together into a rigid and firm condition without the necessity for special positioning or handling. Furthermore, I am able to produce my fixture rapidly and at low cost inasmuch as I have avoided the necessity for casting or otherwise forming a relatively complicated structure. My fixture support base can be made up as a standard part which can be rapidly attached to a standard type of base plate, if desired. The particular fixture, whether it be a towel bar, hook, soap dish holder, or otherwise, can then be later attached as desired to the uniform fixture base and a resulting complete fixture having an attractive appearance obtained.

While I have described only two specific forms of my invention, it will be apparent to those skilled in the art that there are other modifications which would be within the spirit of my invention. I, therefore, do not wish to be limited by my disclosure, but only by the appended claims.

What I claim is:

1. A fixture comprising a supporting member, an internally threaded portion in said supporting member, means for releasably attaching said supporting member to a supporting surface, a fixture base having a recessed flange portion adapted to fit over and enclose said supporting member so as to conceal the latter from view, said fixture base having a shank and a screw carried therein, said screw being positioned to thread into said threaded portion of said supporting member, said fixture base having a recessed portion in said shank, a stem adapted to fit in said recess, and an adjustable fastening member in said shank operable to bear against said stem to rigidly fix it in position.

2. A fixture comprising a supporting member, means for releasably attaching said supporting member to a supporting surface, a fixture base having a recessed portion adapted to fit over and enclose said supporting member so as to conceal the latter from view, said fixture base having a shank and means carried therein for attaching the same to said supporting member, said fixture base having a recessed portion in said shank, a stem adapted to fit in said recess, said stem carrying a complementary fixture part, an adjustable member in said shank operable to bear against said stem to rigidly fix it in position, and screw means loosely carried in the stem of said fixture base and engaging said supporting member for the purpose of adjusting the position of said fixture base with respect to said supporting member and supporting surface.

3. A fixture comprising a supporting member, means for releasably attaching said supporting member to a supporting surface, a fixture base adapted to fit over and enclose said supporting member so as to conceal the latter from view, said fixture base having a shank and a screw carried therein which is adapted to be threaded into said supporting member, said fixture base having a recessed portion in said shank, a stem adapted to fit in said recess, said stem carrying a complementary fixture part, said stem having a recessed part, the inner wall of which is inclined away from the inner end of said stem, and a fastening member carried by and adjustable in said shank and positioned to impinge on the inner inclined wall only of the recess of the stem, thereby moving the outer complementary fixture part towards and against the fixture base.

4. A fixture comprising a supporting member, means for releasably attaching said supporting member to a supporting surface, a fixture base having a recessed flange portion adapted to fit over and enclose said supporting member so as to conceal the latter from view, said fixture base having a shank and a screw carried therein adapted to be threaded into said supporting member, said fixture having a recessed portion in the outer portion of its shank, a stem carrying a complementary fixture adapted to fit in said recess, said stem having abutting edges at its base adapted to conform with the outer edges of said shank, and an adjustable fastening member in said shank operable to bear against said stem to rigidly fix it in position.

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