April 19, 1927.

1,625,163

W. H. SCHURR

FIXTURE SUPPORT

Filed July 3, 1926

Fig. 1.

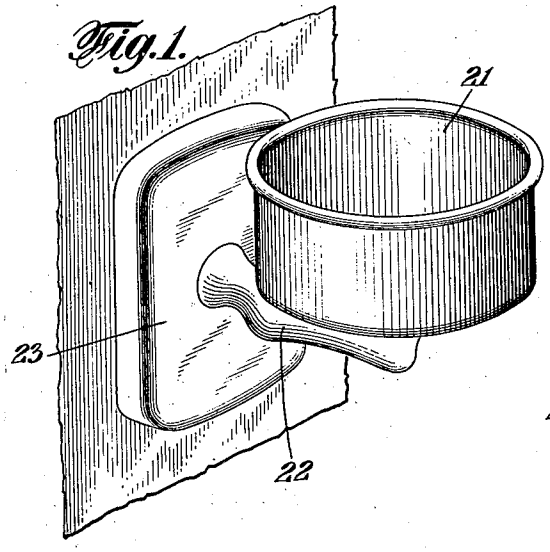

Fig. 2.

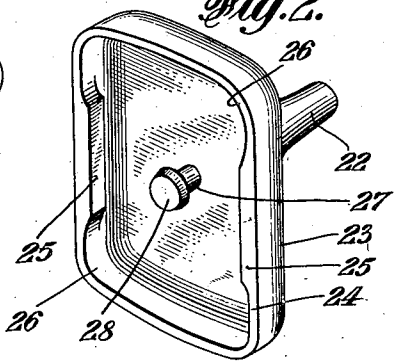

Fig. 4.

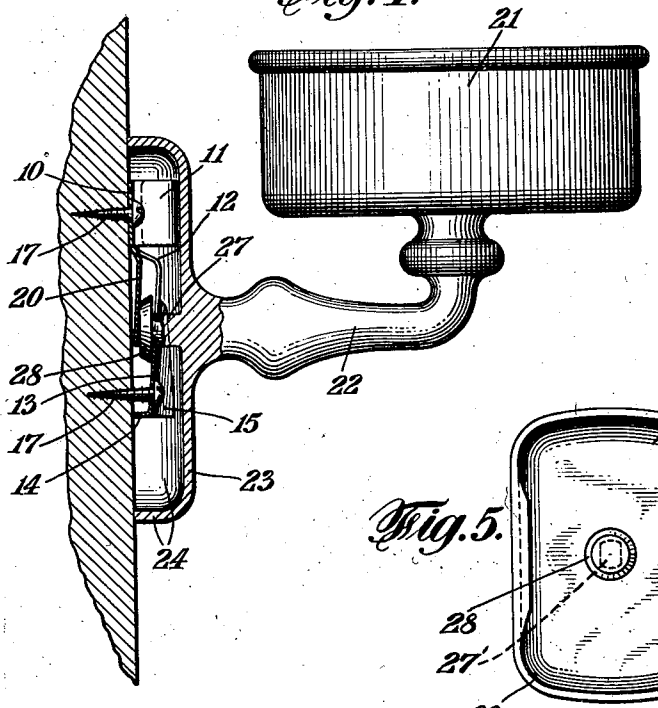

Fig. 3.

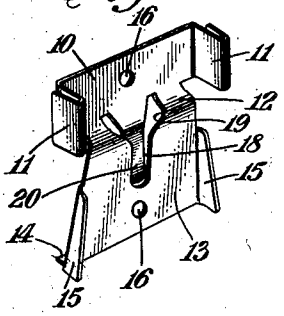

Fig. 5.

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UNITED STATES PATENT OFFICE.

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FIXTURE SUPPORT.

Application filed July 3, 1926. Serial No. 120,283.

This invention relates to detachable support brackets whereby a wide variety of miscellaneous objects may be firmly secured to a wall or removed and interchanged at will without recourse to the use of tools.

One of the advantages of the invention is to provide an anchorage, permanently attached to any ordinary wall, on which may be engaged any desired fixture having interlocking elements, the fixture being firmly supported but capable of disengagement by exerting an upward pressure, thus facilitating cleansing and similar operations.

A further feature resides in the provision of a neat appearing device, its base completely enclosing and obscuring the attaching means and being apparently devoid of screws and like fastenings.

It is another object to provide a fixture support that is at once tasteful, capable of ornamentation to any desired degree and which is inexpensive to manufacture.

These several features are attained by the novel design, construction and combination of parts hereinafter described and shown in the accompanying drawing, forming a material part of this disclosure, and in which:—

Figure 1 is a perspective of an embodiment of the invention as applied to a conventional drinking glass holder.

Figure 2 is a detail perspective view of the support looking from the under side of its base.

Figure 3 is a similar perspective view showing the bracket in detail.

Figure 4 is a side view of the assembly, drawn to an enlarged scale and broken away to show the construction.

Figure 5 is a rear plan view of the base showing a slight modification.

From the drawing it will be seen that only two independent parts are used, one a bracket, preferably made from sheet metal, and the other an enveloping base engageable therewith and forming a part of the object to be supported, the base being shown as produced by casting methods.

The bracket shown in detail in Figure 3 comprises a flat plate 10 having its extending ends bent forwardly at right angles and then reentrantly rearward to produce a pair of spaced spring detents 11 at the upper portion of the sides of the bracket.

The lower edge of the plate 10 is extended into a curved abutment 12 reaching to the front and bending into an apron 13 inclined slightly toward the rear and terminating in a stop flange 14, the lower edge of which is in the plane of the plate 10.

The slightly divergent lateral edges of the apron 13 are bent forwardly at an angle to constitute opposed flanges 15 and openings 16 are made in the plate 10 and apron 13 to receive screws 17 by which the bracket may be rigidly secured upon a support as indicated.

The abutment 12 and apron are sheared to produce in the latter a slot 18 of parallel width extending from a divergent opening 19 in the abutment, these cuts defining a spring tongue 20 integral with the plate 10 and reaching adjacently below the slot.

A water glass holder 21 is used to illustrate the possibilities of the device, the same having an ornamental, angularly bent stem 22 formed centrally on the exterior of a hollow base 23 of generally rectangular contour.

The flanged side walls 24 have, at their longer sides, inreaching lugs 25 blending at their ends into recesses 26 at each end of the chambered base into which the spring flanges 11 engage when the device is assembled, the flange 15 being disposed between the lugs 25 to exert a moderate pressure tending to prevent relative lateral movement of the bracket and base or any turning of the parts.

Extending centrally into the chamber in the base is a short rigid stem 27 having a bevelled button head 28 adapted to pass through the opening 19 in the apron while the stem engages the slot 18 until seated at its bottom.

Due to the inclination of the apron 13, the head 28 is drawn rearwardly, causing the base flange 24 to seat tightly against a supporting wall as shown.

At the same time the spring tongue 20, pressing against the head 28, acts to prevent disengagement of the base from the bracket, which can be done however by forcibly raising the base, causing the spring elements 11 to ride up on the lugs and thereafter exert a moderate pull when the head 28 has been moved upward past the slot 18.

If it be preferred, the stud 27 may be flattened on opposite sides, as at 27′ in Figure 5 and it will also be apparent that more than one stud may be used if the weight to be supported be excessive.

Although the foregoing is descriptive of the preferred form of the invention it is to be understood that its application is merely suggestive and that the details of construction may be materially modified and changes resorted to within the general scope indicated by the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A fixture support comprising an anchored bracket consisting of a transverse plate, spring detents extending forwardly from the ends of said plate, a raised apron integral with the lower edge of the plate, said apron being inclined rearwardly and containing a slot enlarged at its upper end, a stop on the bottom of said apron limiting its rearward movement, opposed forwardly extending spring flanges on the lateral edges of said apron, a chambered fixture base enclosing said bracket in its entirety, a button headed stud fixed on said base to engage in the apron slot, the head of said stud engaging the rear surface of said apron, and lugs on the inner side walls of said chambered base to engage said spring detents and flanges.

2. A fixture support comprising an anchored bracket consisting of a transverse flat plate having at its lower edge a forwardly extending apron inclined rearwardly and containing a slot, a hollow base to entirely enclose said bracket, a stud on said base to engage in the mentioned bracket slot, a head on said stud to engage the rear surface of said apron to draw the base against a support, inreaching lugs on opposite sides of said base, and spring elements on said bracket to engage said lugs.

3. A fixture support comprising an anchored bracket consisting of a transverse flat plate having at its lower edge a forwardly extending apron inclined rearwardly and containing a slot, a spring tongue sheared from said apron, a chambered base enclosing said bracket, a stud extending from said base to engage in the mentioned slot, a bevelled head on said stud to maintain the base over said bracket, the head of said stud being engaged by said spring tongue, inreaching lugs on the inner sides of said chambered base, and means on said bracket engageable therewith.

This specification signed and witnessed this first day of July, 1926.

WILLIAM H. SCHURR.