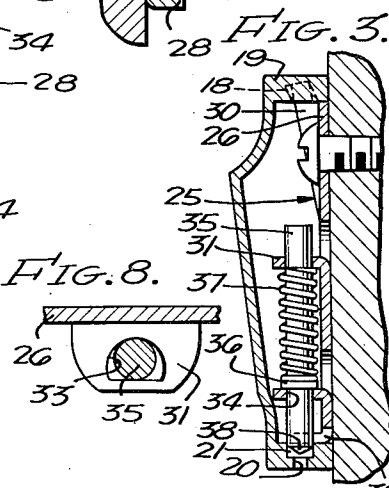
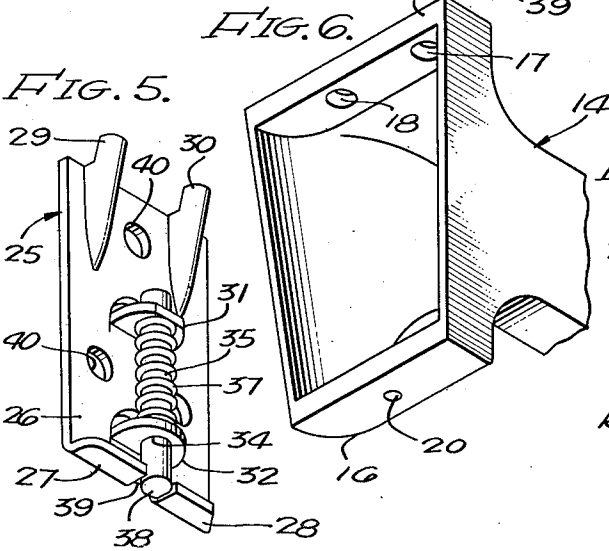
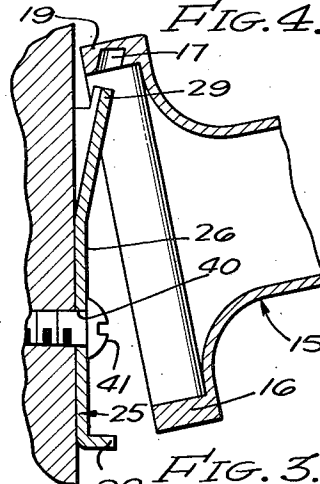
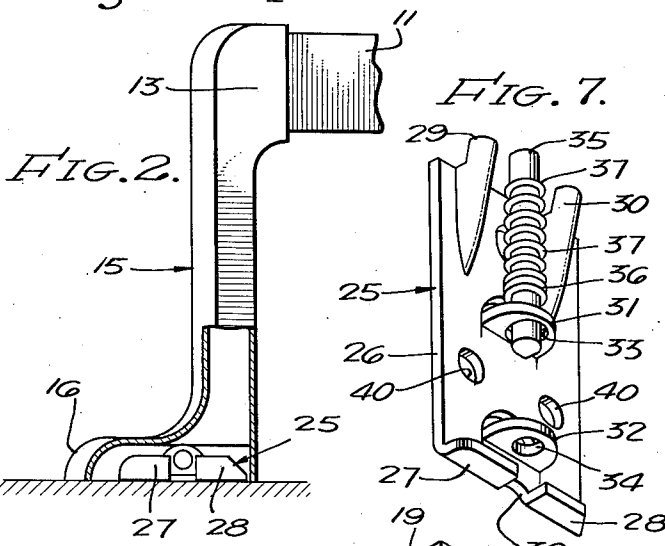
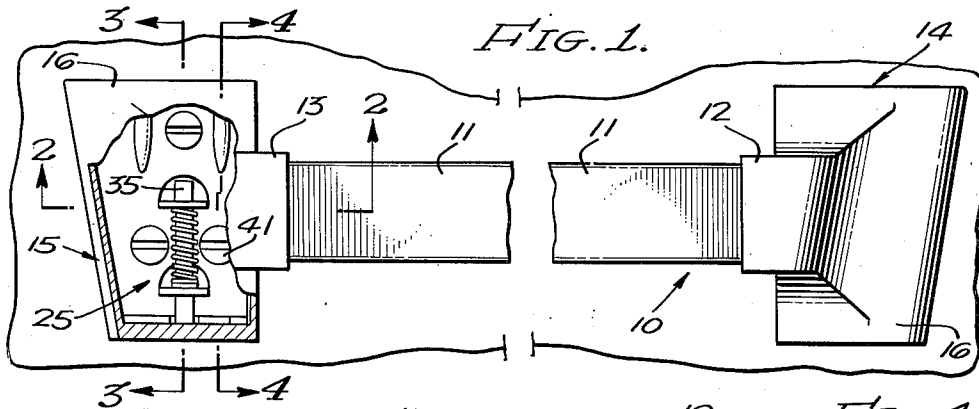


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BATHROOM FIXTURE BRACKET

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BATHROOM FIXTURE BRACKET

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3 Claims. (Cl. 248-223)

This invention relates to a bracket or attaching means for attaching fixtures to the walls of bath or other rooms such as towel bars, soap dishes, toothbrush holders and the like.

One of the problems of maintaining modern bathrooms is the necessity for cleaning the walls adjacent the usual bathroom fixtures, and as these fixtures are not generally mounted for easy removal to permit such a uniform cleaning, the result often is a discoloration of the walls adjacent the fixture brackets.

It is accordingly one object of this invention to provide a quick and positive method for releasably attaching and detaching bathroom fixtures from the walls which is, however, free from the danger of accidental displacement.

The invention is described herein in connection with one post only of a towel bar but it will be appreciated that the invention is applicable to the complete line of bathroom wall accessories.

The invention will be understood from the annexed drawings in which:

FIGURE 1 is a side view partly in section of a towel bar embodying the present invention.

FIGURE 2 is a section taken along the line 2-2 of FIGURE 1.

FIGURE 3 is a section taken along the line 3-3 of FIGURE 1.

FIGURE 4 is a section taken along the line 4-4 of FIGURE 1 showing the mechanism in the process of being installed or removed.

FIGURE 5 is a perspective elevation of the attaching bracket.

FIGURE 6 is a fragmentary end perspective of the towel bar post.

FIGURE 7 is a view similar to FIGURE 5 showing the bracket in one stage of assembly.

FIGURE 8 is a fragmentary end view of the middle supporting shoulder in finally assembled form.

Referring now more particularly to the drawings, there is shown a towel bar indicated generally by the numeral 10 and including a bar 11 fitted in end sockets 12 and 13 carried by posts 14 and 15. The base 16 of each post is a hollow shell, and at one end of the hollow shell there is formed a pair of holes 17 and 18 in the end wall 19, which holes, as shown in FIGURE 3, are preferably formed at an angle rather than being drilled straight in. The other end wall of the base 16 is provided with a single central hole 20 which is enlarged as at 21.

An attaching bracket is provided which is indicated generally by the numeral 25 and includes a plate 26 which is bent inwardly as at 27 and 28 to form a pair of spaced tabs. Pins 29 and 30 having their free ends disposed at an angle complementary to the angle of the holes 17 and 18 are carried by the plate 26 as indicated. Material is punched up from the plate 26 as at 31 and 32, and the tabs thus formed are drilled to form holes 33 and 34. As indicated in FIGURE 7, the hole 33 is much larger than the hole 34. A rod 35 carrying a collar 36 is provided with a coil spring 37 surrounding the same.

Referring now more particularly to FIGURE 7, there is illustrated a manner of assembling the bracket 25.

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The rod 35 with the coil spring 37 thereon is inserted through the hole 33 of tab 31 until the coil spring 37 has passed completely beyond the hole 33. The tab 31 is then flattened as shown in FIGURE 8 to prevent the coil spring and consequently the rod 35 from escaping. It will be appreciated that the end 38 of the rod 35 has entered the hole 34 and the space 39 between the two tabs 27 and 28.

The plate 26 is provided with a plurality of holes 40 for attaching the plate to the wall of a building by means of screws 41.

In order to attach the towel bar to a wall having a pair of plates 26 attached to the wall, the posts 14 and 15 are attached to the bracket as indicated in FIGURE 4 by slipping the same over the ends of the pins 29 and 30, such pins entering the holes 17 and 18. The other end of the base 16 will slip over the tabs 27 and 28, and as this is done the end 38 of the rod 35 will enter the enlarged portion 21 of hole 20 thus releasably securing the post to the bracket. It will be appreciated that one end of the coil spring 37 abuts the tab 31 and the other end abuts the collar 36 thus tending to bias the rod 35 towards the enlarged portion 21 of the hole 20, but that if it becomes desirable to remove the towel bar from the wall, as for instance in cleaning the wall, it is only necessary to insert a pin in the hole 20, depress the rod 35 by compressing the spring 37 to release the upper end of the base 16, after which, of course, the lower end can be slipped off the pins 29 and 30. It will also be appreciated that the hole 20 is in practice made extremely small so as to insure against any accidental penetration thereof and a consequent accidental release of the towel bar, and the fixture is thus securely attached to the wall until such time as a small tool, such as a pin, is purposely inserted in the hole 20.

While there has been described what is at present considered the preferred embodiment of the invention, it will be understood that various changes and alterations may be made therein without departing from the essence of the invention and it is intended to cover herein all such changes and alterations as come within the true scope and spirit of the annexed claims.

I claim:

1. An apparatus for attaching a fixture to a wall comprising: a post having one end in the form of a hollow shell having opposed end walls; a pair of holes in one end wall and a single hole in the other end wall; a plate adapted to be affixed to a wall; a pair of fixed pins carried by said plate and extending in one direction therefrom; a movable pin carried by said plate and extending in the opposite direction from said fixed pins; spring means carried by said plate and biasing said movable pin in said opposite direction; and said pair of holes being arranged to receive said fixed pins and said single hole being arranged to releasably receive said single pin.

2. A wall bracket for attaching fixtures to a wall comprising: a plate adapted to be affixed to a wall; a pair of fixed pins carried by said plate and extending in one direction therefrom; a movable pin carried by said plate and extending in the opposite direction from said fixed pins said movable pin having a collar; a pair of spaced tabs projecting outwardly from said plate having aligned holes therein said movable pin being disposed in said aligned holes; a coil spring wound about said movable pin with one end engaging said collar and the other end engaging one of said tabs to bias said movable pin in said opposite direction.

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3. An apparatus as set forth in claim 1 in which said movable pin is provided with a collar; a pair of spaced tabs is provided projecting outwardly from said plate having a pair of aligned holes therein, said movable pin being mounted in said aligned holes and a coil spring; 5 a coil spring about said movable pin with one end engaging said collar and the other engaging a portion of one of said tabs.

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