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2,542,941

WALL BRACKET

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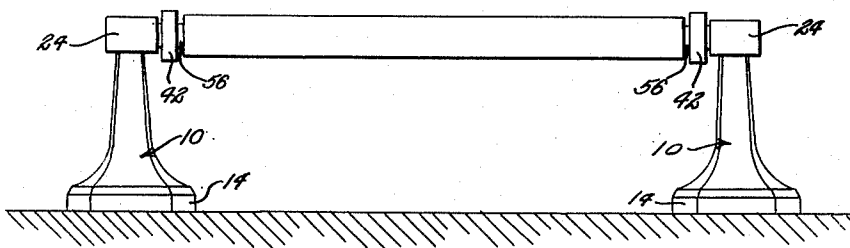


Fig. 1

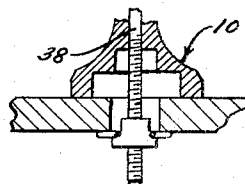
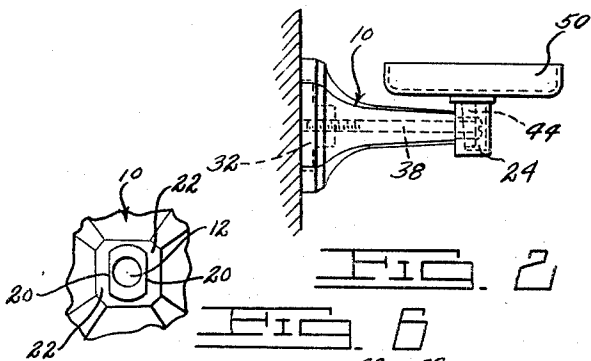


Fig. 5

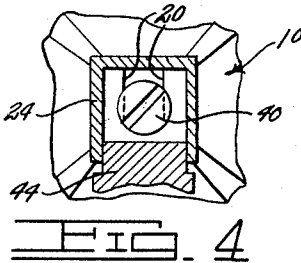
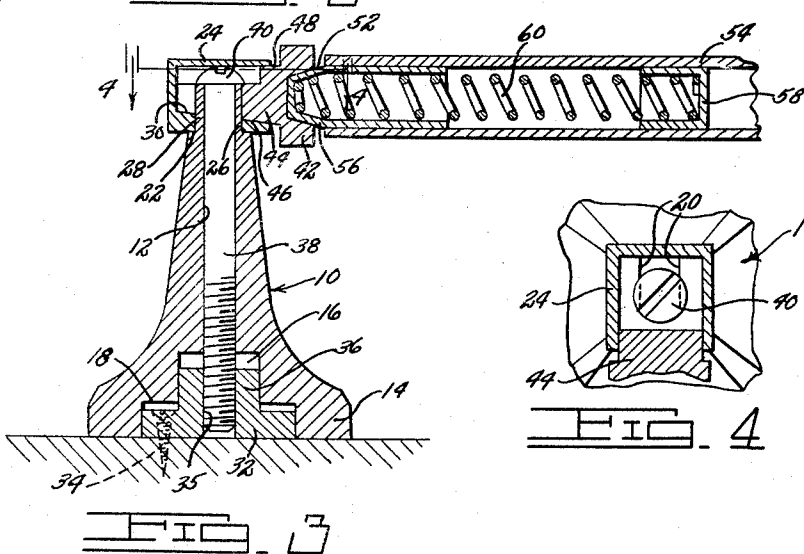


Fig. 4

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WALL BRACKET

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2 Claims. (Cl. 248—251)

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This invention relates to a wall bracket, and more particularly to a means for detachably securing the bracket to a wall or other supporting surface.

An object of the invention is to provide a wall bracket which may be readily attached to a support by concealing means which form a part of the final assembly.

Another object of the invention is to provide a bracket which may be used for supporting a number of various shaped fixtures without altering the attaching means to accommodate the fixtures.

Other objects and advantages of the invention will more fully appear from the following description taken in connection with the accompanying drawings in which:

Fig. 1 is a side elevational view illustrating the bracket as applied to a towel rack;

Fig. 2 is a side elevational view of the bracket used in conjunction with a tray;

Fig. 3 is a cross sectional view through the bracket showing the towel rack bar applied thereto;

Fig. 4 is a sectional view taken on line 4—4 of Fig. 3;

Fig. 5 is a cross sectional view showing a modified form of securing means for the bracket; and

Fig. 6 is a fragmentary view showing a top plan view of the bracket.

The design selected for illustrating an embodiment of the invention comprises a pedestal 10, preferably of ornamental design, having an opening 12 extending longitudinally therethrough. The base portion 14 is counter-bored as at 16 and a larger counter-bore 18 is formed at the lower open end. The counter-bores 16 and 18 are preferably molded and are square in contour.

The opposite end of the pedestal 10 has its outer periphery provided with oppositely disposed flat faces 20 and a shoulder 22 is spaced inwardly from the outer end of pedestal.

A thimble member 24, preferably square in shape, has an opening 26 in one side wall corresponding in shape to the projecting end 28, so that the thimble may be slipped over the end 28 with its open end projecting laterally of the pedestal. One side of the inner surface of the thimble 24 is tapered inwardly toward the closed end of the thimble, as at 30.

In the form of the invention shown in Fig. 3 a block 32 is secured to a support by screws 34. The block is shaped to fit the counter-bore 18 and has a projection 36 which fits the counter-

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bore 16. The block 32 is internally threaded as at 35 to receive a bolt 38 extending through the longitudinal opening 12.

In mounting the bracket, the block 32 is secured to the support in desired location. The base end of the pedestal is then placed over the block and the bolt 38, having a head 40, is threaded into the threaded opening 35 with the head 40 securely holding the pedestal in position. The diameter of the head is larger than the distance between the two flat faces 20 on the end 28 so that it provides a shoulder between the outer end of the pedestal and the tapered surface 30. The thimble is then placed over the end 28 with the outer surface of the side wall, upon which the taper is formed, abutting the shoulder 22.

A locking key 42 is adapted to fit within the open end of the thimble 24 and has a bifurcated end 44 and a tapered surface 46 for sliding engagement with the tapered surface 30. The key 42 slides over the flat surfaces 20 on the end 28 and fits between the head 40 and the tapered surface 30. A shoulder 48 is formed on the key 42 to fit the open end of the thimble 24.

The key 42 may be an integral part of the receptacle 50. When assembled, the key 42 forms a lock between the parts and conceals the securing means.

When it is desired to use the bracket in connection with a towel rack, the outer end of the key is provided with a recessed opening 52, preferably square in shape, into which the bar of the rack extends.

Referring to Fig. 3, the rack bar 54 is shown in the form of a square tubular member having a movable end member 56 projecting beyond the end of the bar 54. This member 56 is slidably mounted in the tubular member 54 and is preferably formed from flat sheet metal bent into U shape. A similar stamping 58 is press fitted into the tube to form a stop for a coil spring 60 which urges the end member 56 outwardly. The tube has a length substantially equal to the distance between the end faces of the keys on a pair of spaced pedestals. To assemble the tube, the end members are sprung inwardly and then spring urged into the openings 52.

From the foregoing, it will be apparent that the device is easily manufactured, readily installed, and sturdy in construction. It will be understood that various changes including the size, shape, and arrangement of parts may be made without departing from the spirit of my invention, and it is not my intention to limit its

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scope other than by the terms of the appended claims.

I claim:

1. A bracket comprising a pedestal having an opening extending longitudinally therethrough, a base portion at one end of said pedestal and a reduced end portion at the opposite end of said pedestal, a shoulder adjacent said reduced end portion, a bolt extending through the opening in said pedestal, a head on said bolt for contact engagement with the reduced end portion and projecting laterally beyond the side walls of said end portion, a thimble having an opening in the side wall thereof for fitting over said head and the end portion into engagement with said shoulder, and a key fitted into the open end of said thimble having portions engageable between said head and the inner surface of the side wall of said thimble.

2. A bracket comprising a pedestal having an opening extending longitudinally therethrough, a base portion at one end of said pedestal and a reduced end portion at the opposite end of said pedestal, a shoulder adjacent said reduced end portion, a bolt extending through the opening in said pedestal, a head on said bolt for contact engagement with the reduced end portion and projecting laterally beyond the side walls of said

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end portion, a thimble having an opening in the side wall thereof for fitting over said head and the end portion into engagement with said shoulder, and a key fitted into the open end of said thimble having portions engageable between said head and the inner surface of the side wall of said thimble, the inner surface of said thimble and the outer surface of said key having inter-engaging tapered surfaces for forming a wedge lock between said head and said thimble.

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