

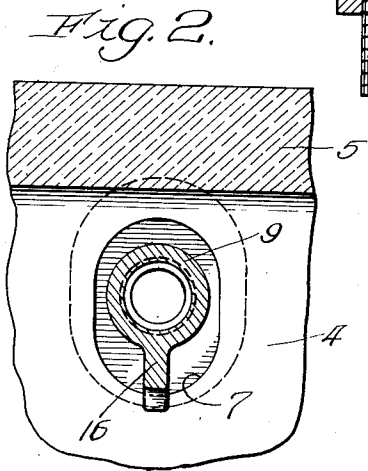
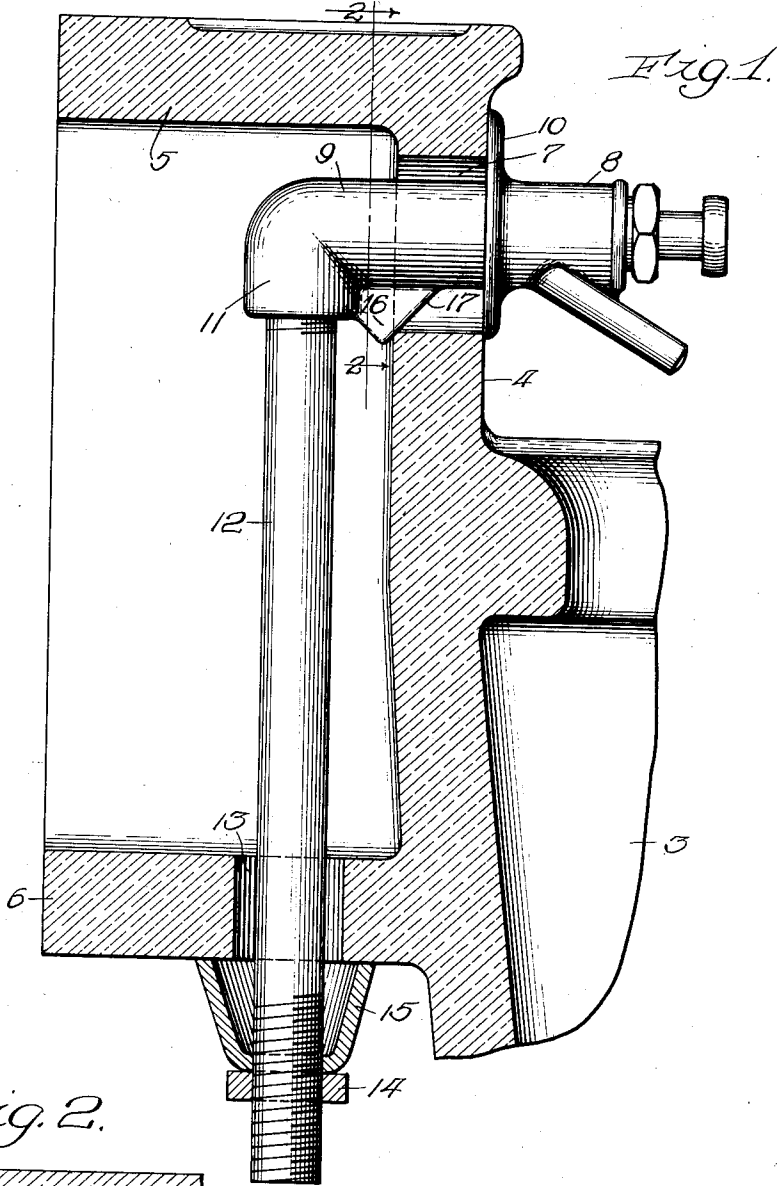
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PLUMBING DEVICE

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PLUMBING DEVICE

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6 Claims. (Cl. 285-30)

This invention relates to means for mounting and supporting various fixtures such as valves, faucets, or the like. In the present instance, it is illustrated as applied to the mounting of soap valves or pumps such as used in connection with lavatories although it will be readily apparent that the same principles may be applied to the mounting of other devices. In the common method of mounting valves on panels, it is usually necessary to provide some means directly back of the valve to draw the valve flange against the face of the panel and to hold it in such position. This is often a difficult accomplishment on account of the space required or on account of various conditions incident to the installation of such devices. In accordance with the present invention I provide an improved mounting for fixtures or devices of this character.

The objects of this invention are to provide a novel means for mounting valves or the like; to provide means whereby a valve may be drawn to fixed position by means of a lateral drawing and holding device; to provide a valve with an inclined bearing adapted to coact with the supporting panel or board for drawing the valve to permanent position; to provide a valve having an inclined projection on one side thereof and having a lateral pipe connection adjacent to the projection whereby the valve may be drawn to fixed position by means of a lateral connecting pipe; and to provide such other advantages and improvements as will appear more fully hereinafter.

In the accompanying drawing illustrating this invention;

Figure 1 is a sectional view of a lavatory showing my improved mounting for a soap valve; and

Figure 2 is a sectional view taken on the line 2-2 of Figure 1.

As shown in this drawing, 3 is a lavatory having an upwardly extending plate or panel 4 with a top shelf 5 and a lower horizontal plate or wall 6. The upwardly projecting plate or panel 4 has a hole or opening 7 preferably of oblong shape, as shown, to provide for the mounting of the soap valve 8. This valve or pump may be of any desired construction but is provided with a body portion 9 which extends inwardly through the hole or opening 7 and has a flange or plate 10 for engagement with the front face of the panel 4. This flange is preferably similar in shape to the hole 7 but sufficiently larger than the same to insure the covering of the hole

thereby. The soap valve has a lateral inlet or projection 11 for receiving the end of a supply pipe 12 which extends down through a hole 13 in the plate or wall 6. The pipe 12 is threaded to receive a nut 14 which engages with a cup shaped washer or bracket 15 which fits over the pipe and engages with the lower surface of the wall 6.

The valve body 9 is provided with a lug or projection 16 having a beveled or diagonal face 17 which rests on the angle or corner of the panel 4 formed at the bottom of the hole 7, as clearly shown in Figure 1.

When the parts are to be assembled the valve body or inwardly extending portion is inserted through the hole 7 which is large enough to permit the lug or projection 16 to pass freely therethrough and to rest on the corner angle at the bottom of the hole. The distance between the beveled face 17 and the rear face of the flange 10 is such that when the lug is drawn against this corner the flange 10 will engage with the front surface of the panel 4. The pipe 12 may then be inserted and screwed into the connection 11. Then the washer and nut 14 are applied and as the nut is tightened, it draws down on the pipe 12 and through the action of the beveled surface 17 draws the valve inwardly or so that the flange 10 will engage closely with the face of the panel and cover the hole 7. It will thus be seen that by merely tightening the nut 14, the soap valve will be held securely in position without the necessity of fastening screws, bolts, or the like. It will also be observed that other forms of valves may be mounted in a similar manner, the present construction being merely illustrative of one form of the invention. It will also be noted that changes may be made in the form or arrangement of the parts in order to adapt the same to different fittings or conditions and therefore I do not wish to be limited to the particular arrangement shown and described except as specified in the following claims, in which I claim.

1. A plumbing device of the character set forth having a main body portion with a flange for engagement with a support and having a lug on the side thereof with a tapered face also for engagement with said support and a connection for drawing the inner end of the device at substantially right angles to the center line thereof to cause the face of the lug to be pressed against the support and draw the flange toward said support.

2. A valve or the like having a substantially

cylindrical body portion with an outwardly projecting flange and having an integrally formed lug spaced from the flange with an engaging face at an acute angle to the flange and facing the same, a threaded pipe connection at the inner end of the body portion and at right angles thereto, a pipe for engagement with said connection and means for placing a tension on the pipe.

3. The combination with a panel having a hole therethrough, of a valve or the like having a body portion projecting through the hole and having a flange engaging with the front of the panel and covering the hole, said body portion having a lug with a tapered face engaging with the rear portion of the panel at the bottom of the hole, a pipe connected with the body portion at the back of the panel and at right angles thereto, a fixed member through which the pipe projects and means coacting with the fixed member and the pipe for drawing the pipe downwardly and thereby drawing the flange against the face of the panel.

4. The combination with a lavatory having an upwardly projecting panel at the back thereof and having a horizontally arranged wall below the panel, of a valve having a flange engaging with the face of the panel and having a body portion projecting through a hole in the panel, said body portion having a tapered lug for engagement with the panel to draw the body portion backwardly, a pipe connected with the valve and extending downwardly through the wall, a washer fitting over the pipe and engaging with the wall and a nut on the pipe for engagement with the washer to draw the pipe downwardly and to hold the valve in fixed position.

5. A plumbing device adapted to be mounted on a wall, including a barrel portion having a flange with an engaging face at right angles to the axis of the barrel portion and having an integrally formed lug spaced from the face of the flange with an engaging surface opposed to the flange and arranged diagonally thereto.

6. The combination with a supporting member comprising a wall having a hole therethrough, of a plumbing device extending through the hole and having a flange adapted to engage with one face of the support and to cover the hole therethrough, said device also having a lug with an engaging face arranged diagonally to the flange and adapted to impinge on the opposite face of the wall and means tending to force the lug against the wall whereby the flange will be pressed against said first named face.

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