

UNITED STATES PATENT OFFICE.

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BATHROOM FIXTURE.

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This invention relates generally to bathroom fixtures, and more particularly to an improved construction of valve adapted to be arranged in the wall and by means of which the water can be directed to either the tub or the shower, as desired, or which valve construction may be for any other purpose.

The object of the invention is to provide an exceedingly neat and simple device which will display prominently only one of two push buttons, either of which can be pushed inwardly when it is desired to direct the water in the desired direction, the pushing in of one button serving to force the other button outwardly.

Another object of the invention is to provide a device embodying these characteristic features which shall be simple in construction and economical of fabrication.

The invention consists in the novel features of construction and in the manner of combining and arranging the various parts, all of which will be fully described hereinafter and set forth in the appended claims.

In the drawing forming a part of this specification, Fig. 1 is a sectional view of a valve mechanism embodying one form of my invention; Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1 and Fig. 3 is a sectional view on the line 3—3 of Fig. 1.

In the practical embodiment of my invention, I employ a casing A which is preferably rectangular in shape although it will be understood that any other convenient shape may be employed. This casing is provided with inlet openings B and C and outlet openings D and E and within the casing is a compound partition F G, the partition F serving to separate the discharge openings D and E and the portion G serving to separate the inlet openings B and C from the outlet openings D and E. The partition G is formed with openings H in which are arranged the valve seats I and in which fit the valves K, said valves being pivotally connected to the inner ends of stems L and these stems are connected by a link M pivoted at M' to a pivot N fixed to the partition G. The stems L work through stuffing boxes A² in the cover A³ of the casing and screwed into the ends of the stems L are the stems O' of the push buttons O, these push buttons O working in the openings P' of the plate P which may be of either tile or metal and

which can extend entirely across the opening in the wall Q or it can be seated flush in said opening as preferred.

The openings B and C communicate with the hot and cold water pipes and the openings D and E communicate with the tub and shower. The water pipes will of course be provided with valves by means of which either all cold or all hot or both hot and cold water can be supplied to the valve casing. When it is desired to direct the water to the shower it is only necessary to push in the proper push button which will open the shower outlet and cut off the tub outlet and to direct the water to the tub instead of to the shower it is only necessary to push in the other push button. It will of course be understood that an outlet can be used for any purpose desired.

In the face of the wall there will be visible only the push buttons O and the plate P through which they work can be metal or tile as preferred.

It will thus be seen that I provide an exceedingly neat type of bathroom fixture, one which can be quickly and easily operated by merely pushing in the desired push button and one which will be economical to fabricate and at the same time sure and effective in operation.

Having thus described my invention, what I claim is:—

1. In a device of the kind described, a casing having inlet and outlet openings and valves for controlling the discharge of water from said casing, stems pivotally connected to said valves, a link pivotally connected to said stems and push buttons carried by the said stems and an apertured plate in which said push buttons work.

2. In a device of the kind described, a casing having inlet and outlet openings and valves for controlling the discharge of water from said casing, stems pivotally connected to said valves, a link pivotally arranged within the casing and connected to said stems, push buttons adjustably connected to the outer ends of said stems and an apertured plate in which said push buttons work.

3. A diverter valve of the class described comprising a casing having one or more inlets and a pair of outlets, a pair of valves for diverting the flow through either of said outlets, stems connected with said valves, heads connected to said stems, an apertured

plate in which said heads work, a link pivotally mounted within said casing and connected with said stems whereby when one of said valves is opened the other is closed.

- 5 4. A diverter valve of the class described comprising a casing adapted to be arranged within a wall, partitions in said casing dividing the same into an inlet chamber and a pair of outlet chambers, one or more inlets
10 leading to said inlet chamber and an outlet from each of said outlet chambers, a pair of valves for controlling said outlets, stems connected to said valves, heads connected with said stems, an apertured plate in which said
15 heads work and means connecting said valve stems whereby said valves may be alternately opened and closed to divert the flow through either of said outlets.

5. A device of the class described comprising a casing adapted to be arranged 20 within an opening in a wall structure, said casing having an inlet chamber and a pair of outlets, one or more inlet pipes leading into said inlet chamber, a pair of valves arranged within said casing for diverting the 25 flow through either of said outlets, stems connected to said valves and projecting outwardly through said casing, an apertured escutcheon plate secured over the opening in the wall structure, said stems projecting 30 through said escutcheon plate and operable from the exterior thereof.

In testimony whereof, I hereunto affix my signature.

LEON BLOCH.