J. G. PERKINS.

BATH SHOWER ATTACHMENT.

APPLICATION FILED AUG. 2, 1917.

1,354,838. Patented Oct. 5, 1920.

Fig. 1.

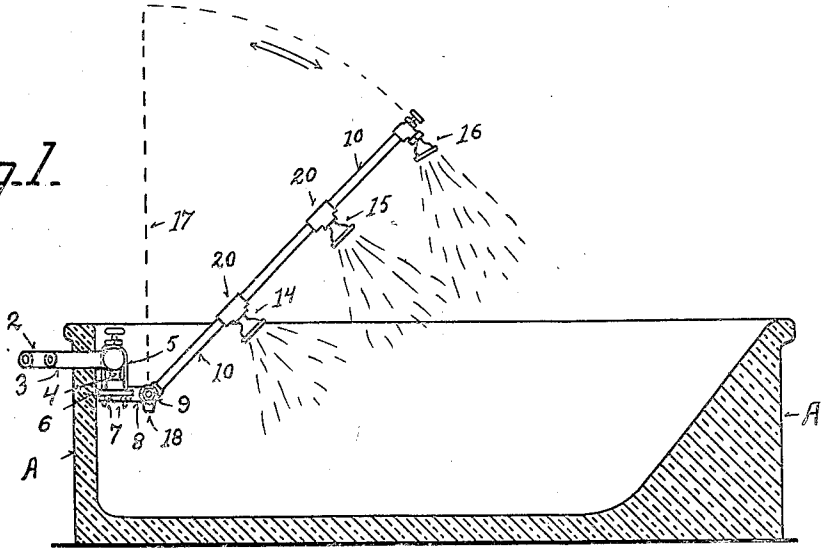
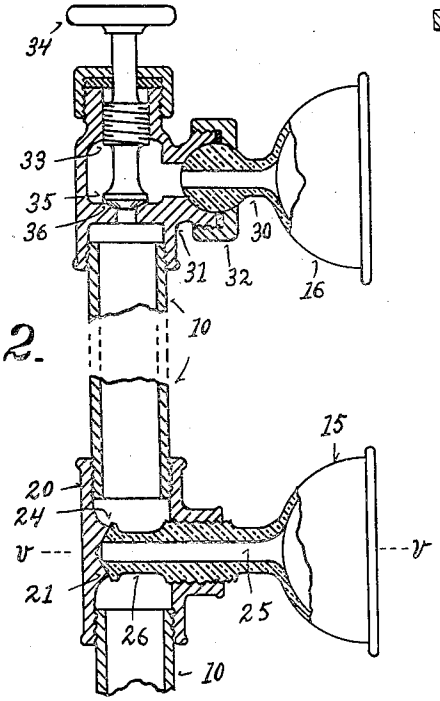


Fig. 2.



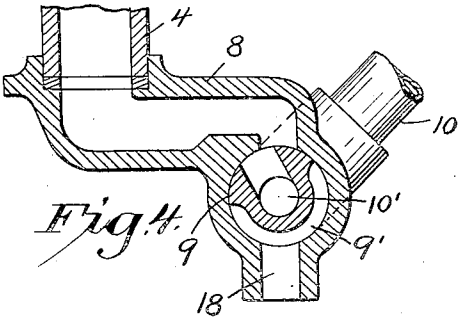


Fig. 4.

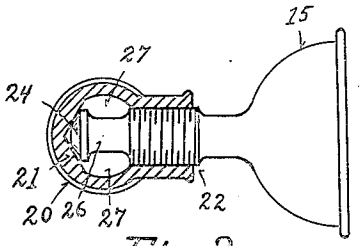


Fig. 3.

Witness

W. Thornton Bogert

R. D'Arson

Inventor

Joseph G. Perkins

By C. W. Miles.

Attorney

UNITED STATES PATENT OFFICE.

JOSEPH G. PERKINS, OF BELLEVUE, KENTUCKY, ASSIGNOR TO ISIDOR J. MILLER, OF CINCINNATI, OHIO.

BATH SHOWER ATTACHMENT.

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To all whom it may concern:

Be it known that I, JOSEPH G. PERKINS, a citizen of the United States, residing at Bellevue, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Bath Shower Apparatus, of which the following is a specification.

My invention relates to improvements in bath shower apparatus. One of its objects is to provide a shower apparatus having a plurality of shower heads or units, which are independently adjustable to cut off the flow of water at one or more thereof. Another object is to provide an improved adjustable shower unit with cut off mechanism. Another object is to provide improved simple cut off mechanism for individual shower units. Another object is to provide an improved detachable shower apparatus. My invention also comprises certain details of form, combination and arrangement, all of which will be fully set forth in the description of the accompanying drawings, in which;

Figure 1 is a longitudinal vertical section through a bath tub with my improved apparatus attached thereto.

Fig. 2 is a sectional detail through the shower tube and valve mechanism.

Fig. 3 is a sectional detail on line *v—v* of Fig. 2.

Fig. 4 is a sectional detail, transversely through the two-way valve.

The accompanying drawings illustrate the preferred embodiments of my invention in which A represents a bath tub having a hot water supply pipe 2 and a cold water supply pipe 3 both valve controlled and leading to a common downwardly direction exit 4 to supply water of the desired temperature to the tub. Detachably connected by a tight joint to the exit 4 by means of yoke shaped tie rods 5, cross bars 6 and nuts 7 is a coupling member 8 which projects outwardly into the tub and at its opposite end is provided with a tapered two-way cock 9 to which a water conduit leads from exit 4 through the coupling member 8. The ports in the two-way cock are so arranged that when the shower tube 10, which is attached to and moves with the tapered plug of the cock, is in the inclined position illustrated in Fig. 1, the water is directed through the central port 10′ of the plug to the tube 10 and thence to the respective heads or shower members 14, 15 and 16, and when the shower tube 10 is in the vertical position indicated by dotted line 17, the water is directed through valve port 9′ and downwardly through an exit port 18 into the tub. Thus by regulating the hot and cold water cocks with the shower tube in vertical position water of the desired temperature is directed into the tub to fill the same, and no water is supplied through the shower tube. Whenever the shower is required for use the tube 10 may be moved to the inclined position which directs the shower in the desired direction and avoids throwing water outside of the tub. The shower tube may be readily grasped to move it to vertical position and cut off the water supply to tube 10 whenever desired. The forwardly or outwardly directed coupling member 8 provides for conveniently attaching or detaching the shower relative to any tub and also provides for moving the tube 10 to a vertical position without contact or interference with the hot or cold water supply cocks on the tub.

In practice it is frequently desirable to utilize the shower from one or two of the shower members 14, 15 and 16 only and to cut off the water supply to the other or others thereof, also it is desirable to be able to adjust one of said shower members, preferably the member 16 at the end of the shower tube, to different positions of angularity relative to the shower tube.

In order to provide for cutting off the individual water supply to shower members 14 or 15 without interfering with the water supply to any of the others I provide coupling T-members 20 in the pipe or tube 10 which are each provided with a valve seat 21. The rose-heads or other shower members 14 and 15 each have their shanks 22 threaded into one orifice of the coupling members 20 and a valve 24 to engage, and be forced by the threaded engagement of the shank 22 in the coupling member 20 against the valve seat 21 to cut off the water supply to the shower member through the supply port 25. By reason of the reduced neck 26 of the shank 22, water supply passages 27 are provided around the neck 26 through the coupling members 20 to supply the remaining operative shower members.

The shank 30 of shower member 16 is spherical and seats in a corresponding recess in the valve casing 31, being held in place therein by means of a threaded cap 32 with sufficient tension to retain it in any position of angularity to which it may be adjusted by hand. Threaded into the casing 31 is a valve shank 33 having an actuating handle 34, and a valve 35 to engage a valve seat 36 formed in the casing 31 and serving to cut off the water supply to shower member 16.

The apparatus herein illustrated and described is capable of considerable modification without departing from the principle of my invention.

Having described my invention, what I claim is;

1. A shower apparatus comprising a shower tube, a T-shaped coupling member therein having an internal valve seat opposite the middle port of said coupling member, and a shower member having a tubular shank threaded into the middle orifice of said coupling member and provided with a valve to engage said interior valve seat to selectively close the water supply passage to said shower member without closing the passage from one end port of said coupling member to its other end port.

2. A shower apparatus comprising a shower tube, one or more T-shaped coupling members therein each having a valve seat, and one or more individual shower members having a tubular shank threaded into one orifice of a coupling member and provided with a valve to engage the valve seat of the coupling member to close a water supply passage to said shower member through its shank.

In testimony whereof I have affixed my signature in the presence of two witnesses.

JOSEPH G. PERKINS.

Witnesses:
C. W. MILES,
W. THORNTON BOGERT.