

UNITED STATES PATENT OFFICE

CHARLES G. BURTON, OF SALEM, OHIO

WATER-CLOSET ATTACHMENT

Application filed July 31, 1929. Serial No. 382,343.

The purpose of this invention is to provide a water closet with means for discharge of tempered water for personal cleansing or rectal or vaginal douche, with or without medication, by means of an attachment which may be applied to existing water closets, not requiring special formation of the closet bowl or connections. It consists in the elements and features of construction shown and described as indicated in the claims.

In the drawings:—

Figure 1 is a plan view of a closet bowl equipped with this invention.

Figure 2 is a rear elevation of the same.

Figure 3 is a side elevation of the same.

Figure 4 is a detail section at the lines 4—4 on Figure 1 and 4^a—4^a on Figure 2.

Fig. 5 is a view of the control valve.

Figure 6 is a detail top plan view of the main controlling valve for showing the reading dial indicating the open positions for the three different discharges for which the device is constructed.

Figures 7, 8 and 9 are sections at the lines 7—7, 8—8 and 9—9 on Figure 5 showing the valve member at closed position with respect to all the discharge connections.

Figure 10 is a detail section at the line 10—10 on Figure 1.

Figure 11 is a detail section at the line 11—11 on Figure 1.

In the drawings, the closet bowl is indicated at A, having customary seat support, B, for a hinged seat, B¹, and hinged cover, C. D is a valve fitting hereinafter more particularly described carried rigidly in fixed position by a bracket member, E, said bracket member being formed for mounting on the bowl by having its terminal lugs, E¹, E¹, clamped between the bowl and the seat hinge brackets, B, said lugs being adapted by their thickness or by supplemental washers, e¹, to space the seat support, B, away from the upper edge of the bowl adequately for admitting over the edge of the bowl and under the seat support certain discharge pipes hereinafter described.

The valve fitting, D, is constructed as hereinafter more particularly described for connection at one side with hot and cold water

pipes, F and G, said pipes being provided with valves, F¹ and G¹, adjustable at will for regulating the supply of hot and cold water proportionately to each other according to the desired temperature of the mixture to be discharged from the valve fitting by the discharge pipes hereinafter described. At the discharge side of the valve fitting, D, there are provided three pipe connections, the first connection, H, which, as illustrated, is uppermost, is extended for entrance in the space provided by the manner of mounting the bracket as described, between the upper edge of the bowl and the seat support, and within the bowl is extended forwardly under the margin of the seat opening to a point at the forward side of the bowl at which it has a down-turned terminal, h.

The second pipe connection indicated at J, leads in the same manner as the pipe, H, for entrance into the bowl under the seat support, and within the bowl extends forwardly under the margin of the seat opening at one side, and is deflected downward inwardly and upwardly for upward discharge at a suitable point for personal cleansing.

In this pipe, J, there is interposed, preferably outside the bowl, a coupling, L, having a duct, l, opening laterally for connection with an inleading pipe member, L¹, said duct within the fitting trending forwardly in the direction of flow of the water through said pipe, J. And as illustrated, said coupling member is formed with a lateral boss through which said duct emerges and to which the pipe, L¹, is connected, said boss being exteriorly threaded for attaching a liquid container, M, in which at the lower part thereof the pipe, L¹, terminates, said container having at the upper part an air vent, m. This container is designed to be supplied with any medicated liquid which will be entrained by the water current through the pipe, J, and discharged with the cleansing jet from the upwardly trending terminal of said pipe, T.

The valve fitting, D, is provided with a third discharge connection at which there is connected the pipe elbow, N, arranged for flexible pipe connection indicated at P, said flexible pipe leading to a fitting, R, similar

to the coupling, L, and having similar provision by means of a liquid entraining duct, r, depending in a liquid container, S, on which the fitting, R, is mounted, said duct operating for entrainment of a medicated liquid with which the container, S, may be supplied, for delivery through the discharge pipe, T.

The discharge pipe, T, as illustrated, is a flexible pipe furnished at its extremity with suitable terminal fitting, t, for attaching a rectal or vaginal douche for enema or other medication.

From the above description it will be understood that the intended mode of use of the apparatus when mounted as indicated upon the closet bowl, is as follows:—The user will first adjust the valves, F and F¹, to obtain the desired temperature of the jet which will be discharged at the terminal, h, of the pipe, H, and will test the temperature by hand for obtaining such desired adjustment, the valve member, D¹, being set at position indicated by the numeral 1 on the graduated dial at the head of the fitting, D, for obtaining discharge through the pipe, H, and terminal, h. The desired temperature being obtained, the valve will be turned to position indicated by the numeral 2 on the dial at which position the pipe, H, is closed and communication is opened through the pipe, J, resulting in discharge through the terminal, j, for personal cleansing, or for medicated treatment if the container, M, has been first furnished with proper medicated liquid. If only cleansing without medication is desired, the valve, D¹, controlling communication through the entraining duct, l, will be closed.

For use of the third discharge connection for the purposes of rectal or vaginal douche, the valve will be turned to position indicated by the numeral 3 which cuts off the pipes, H and J, and opens the pipe, P, affording discharge of the tempered water drawing the medication from the container, S, for discharge as desired by means of the douche or injecting device connected to the terminal, t.

I claim:

1. An attachment arranged to be mounted on a water closet bowl laterally thereof, said attachment comprising a valve fitting having inflow connection with a source of flushing water and a plurality of discharge connections, the valve member in said fitting being constructed and co-operating with the body member for adjustment therein for connecting the inflow with any one of the discharges and simultaneously cutting off all the other discharges, said discharges being arranged leading from the body member of the fitting between the upper edge of the bowl and the seat for discharge in the bowl at different points in the fore-and-aft extent of the seat opening.

2. An attachment arranged to be mounted

on a water closet bowl comprising a valve device having hot and cold water supply pipe connections with independently adjustable valves controlling the same and having a plurality of discharge pipes adapted to be entered under the closet bowl seat for discharge within the bowl, one of said discharge pipes having its discharge terminal directed downwardly within the bowl near the forward side of the latter, the other discharge pipe having its discharge terminal directed upwardly at a point rearward of the first mentioned discharge terminal, the valve member in said fitting being arranged for adjustment at will to a plurality of discharge positions including separate positions for the above mentioned discharges.

3. An attachment arranged to be mounted on a water closet bowl comprising a valve device having hot and cold water supply pipe connections with independently adjustable valves controlling the same and having two discharge pipes adapted to be entered under the seat for discharging within the bowl, one terminating for discharge in position for manual access for testing the temperature of the jet, the other terminating in position for delivering a jet in position and direction for personal cleansing, the valve device being constructed for adjustment to different positions for controlling said discharges separately.

4. An attachment arranged to be mounted on a water closet fixture comprising a valve fitting arranged to be connected with a source of water supply and having at least two discharges and pipe connections therefrom to the closet bowl, a valve member in said fitting constructed and arranged for adjustment to separate positions for discharge through said pipe connections respectively, one of said pipe connections having intermediate the valve fitting and the bowl a connection for deriving liquid supply from a source independent of that with which the valve fitting is connected.

5. An attachment arranged to be mounted on a water closet fixture comprising a valve fitting arranged to be connected with a source of water supply and having at least two discharges and pipe connections from them respectively, one of said connecting pipes leading to the bowl and the other leading to a manually directable discharge device, the valve member in said valve fitting being constructed and arranged for adjustment to separate positions for controlling discharge through said pipe connections respectively, the second mentioned of said pipes having a connection for deriving additional liquid supply from a source independent of that with which the valve device is connected for supply.

6. An attachment arranged to be mounted on a water closet fixture comprising a valve

fitting having hot and cold water supply pipe connections with independently adjustable valves controlling the same, said fitting having a plurality of discharges and pipes connected to said discharges respectively; a valve member in said fitting formed and arranged for adjustment to separate positions for controlling discharge at said several discharges respectively, the pipe connections from two of said discharges leading to and terminating in the bowl, and the pipe connections from another of said discharges leading to a manually directable discharge terminal, one of the pipe connections to the bowl and the pipe connection to the manually directable discharge terminal each having intermediate the valve device and the discharge terminal a connection for deriving liquid from a source separate from the hot and cold water supply connections of the valve device.

In testimony whereof I have hereunto set my hand at Salem, Ohio, this 26th day of July, 1929.

CHAS. G. BURTON.