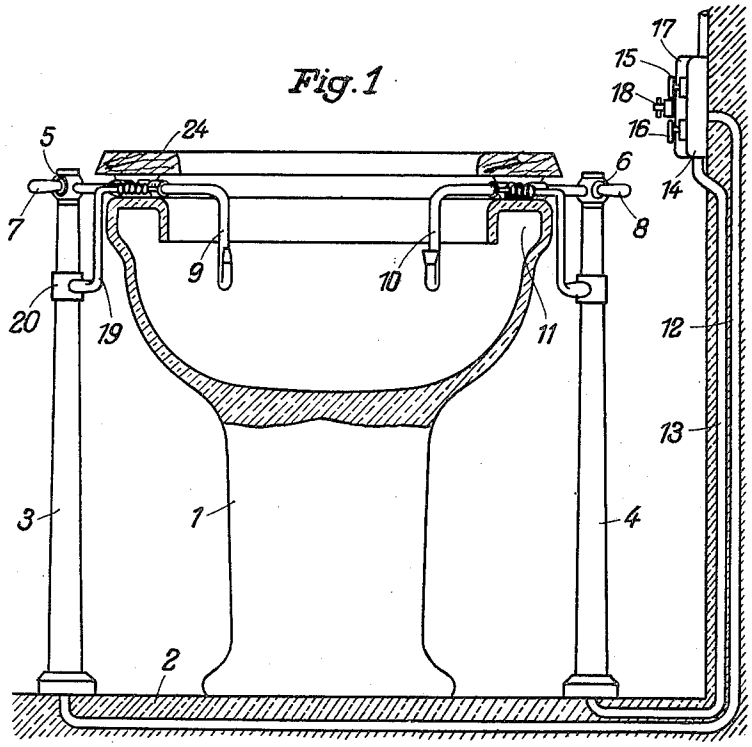
Nov. 8, 1932. K. THOMAS 1,886,920

WATER CLOSET DOUCHE

Filed Oct. 31, 1929

Fig. 1



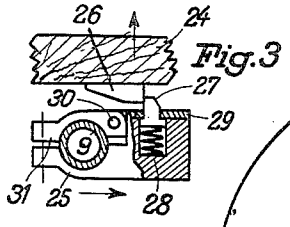


Fig. 3

Fig. 2

Fig. 4.

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WATER CLOSET DOUCHE

Application filed October 31, 1929, Serial No. 403,814, and in Germany November 3, 1928.

This invention relates more especially to that type of sitz bath or the like in which the douche may be taken hot or cold and followed by a heated current of air for drying the parts that have been subjected to the douche.

The primary object of my invention is to provide an improved construction, combination and arrangement of parts in apparatus of this character whereby the operation of the several parts may be regulated by hand under the automatic control of a movable seat.

Another object of my invention is to provide mechanism of improved construction within easy reach of patient, doctor or nurse for controlling the several parts and functions of the apparatus.

Other and further objects of invention will appear in the specification while the elements related thereto will be recited in the appended claims, reference being had to the accompanying drawing in which

Fig. 1 is a front elevation of a preferred embodiment of my invention, portions of the water-closet bowl to which it is applied being shown in section.

Fig. 2 is a top plan view of the same with the seat removed.

Fig. 3 is a vertical section through the seat; Fig. 4 is a sectional view of the seat.

The water-closet bowl 1 rests on the floor 2, a column or housing 3 for the water supply pipe being arranged on one side of said bowl while a column or housing 4 for the air supply pipe is arranged on the other side thereof. At the upper ends of the columns 3 and 4 are arranged oscillatory valve-heads 5 and 6 provided with handles 7 and 8 for controlling the flow of water and air to the branches 9 and 10 of the water and air pipes 12 and 13, said branches being carried by the valve-heads 5 and 6 and provided at their outer ends with suitable nozzles for the water and air douches. A water tank 14 which discharges into the upper end of water pipe 12, is provided with valves 15 and 16 for controlling the supply of hot or cold water to the water pipe 12. Within a housing 17 may be arranged a ventilator fan or blower driven by electricity under the control of a switch 18, suitable heating coils (not shown) being preferably under the control of switch 18. By an inspection of Fig. 1 of the drawing, it will be seen that the water valves and blower control may be mounted within easy reach and a little to one side of the manipulator.

As shown in Figs. 1 and 2 of the drawing, a bent bracket arm 19 may be mounted at its lower end in a fixed collar 20 on the column 3, a prong 21 at its upper end being arranged to have one end of a spring 22 connected thereto. The other end of said spring is attached to a collar 23 on the swinging branch 9 of the water pipe. As shown in Fig. 2, the bracket arm 19 is provided with a second prong 32 which carries an abutment 33 against which the oscillatory branch 9 is normally retained by the tension of spring 22. It will be understood from this description that by grasping the handle 7 or the handle 8 and moving it inwardly as indicated by one or the other of the arrows shown in Fig. 2, the corresponding water or air douche is swung into service position where it may be releasably locked by suitable means such, for example, as shown in Fig. 3 of the drawing. Thus, to the under surface of the hinged seat 24, may be secured a beveled block or stop 26 over which a movable dog 27 is adapted to ride when the branch 9 or 10 swings inwardly. For this purpose the dog 27 is pressed by a spring 28 into normal engagement with a stop plate 29, these parts being suitably mounted upon the swinging branch by means of fixed and movable gripper arms 25 and 30 which may be clamped in position by a screw at 31.

In order that this retaining mechanism may be automatically released for permitting the douches to be returned to initial position under the tension of springs 22, the seat 24 may be provided with suitable compression springs, which lift the seat as soon as the weight of the person using it has been removed therefrom, the dog or dogs 27 being thereby released and the douche or douches being therefore permitted to return to original position.

I claim:

1. In combination with a water-closet, a seat-douche, an air-douche, said douches terminating in pipes moveable towards the middle of bowl, a drawing-spring, said drawing-spring connected with one of the pipes of said douches, a clutch, said clutch maintaining one of said pipes in one extreme position.

2. In a device of the character described, the combination with a seat, of a cleansing fluid douche, and a drying fluid douche dirigible relatively to said cleansing fluid douche.

3. In a device of the character described, the combination with a seat, of a cleansing fluid douche movable into and out of service position with respect to said seat, and a drying fluid douche movable independently of and relatively to said cleansing fluid douche into and out of service position with respect to said seat.

4. In a device of the character described, the combination with a water-closet bowl of a seat movable upwardly and downwardly with respect to said bowl, cushioning means adapted to sustain said seat in spaced relation to the upper edge of said water-closet bowl and to impart an upward displacement thereto when relieved of a person's weight, a pipe branch provided on its extremity with a douche nozzle, said pipe branch being oscillatable horizontally in the space between said bowl and seat between inoperative and service positions, means for supplying cleansing fluid to said oscillatable pipe-branch, means interengageable between said seat in lowered position and said oscillatable pipe-branch for retaining the latter in service position, and means for returning said pipe-branch and douche nozzle to inoperative position when an upward movement of said seat releases said interengageable means.

5. In a device of the character described, the combination with a seat, of a cleansing fluid douche movable into and out of service position with respect to said seat, and a drying fluid douche movable independently of and relatively to said cleansing fluid douche into and out of service position with respect to said seat, each of said douches being provided with seat-controlled releasable means for holding it in service position.

6. In a device of the character described, the combination with a seat, of a cleansing fluid supplying device, and a drying fluid supplying device, each of said devices comprising an oscillatable pipe-branch provided at its extremity with a douche nozzle, a fixed bracket arm, a tension spring connected at opposite ends to said bracket arm and said pipe-branch, and means for moving said pipe-branch to various service positions against the tension of said springs.

7. In combination with a water-closet bowl, of an upwardly and downwardly moveable seat, a seat-douche, an air-douche, said douches terminating in pipes moveable towards the middle of said bowl, a spring tending to hold one of said pipes in one extreme position, and a clutch under the control of said movable seat for maintaining said pipe in the opposite extreme position.

KURT THOMAS.