

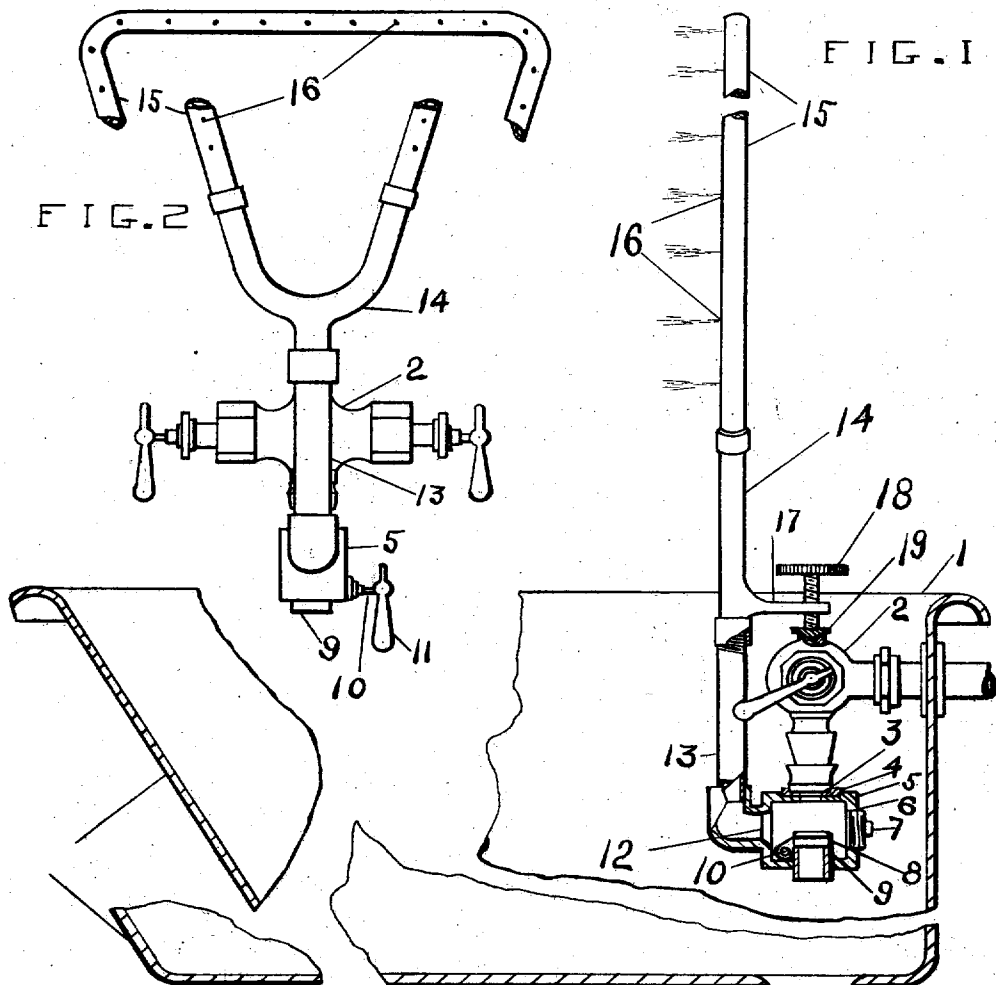
G. B. RHEINFRANK & G. J. GILSDORF.

SHOWER DEVICE.

APPLICATION FILED APR. 6, 1909.

931,890.

Patented Aug. 24, 1909.



WITNESSES

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GEORGE B. RHEINFRANK AND GEORGE J. GILSDORF, OF TOLEDO, OHIO.

SHOWER DEVICE.

931,890.

Specification of Letters Patent.

Patented Aug. 24, 1909.

Application filed April 6, 1909. Serial No. 488,249.

To all whom it may concern:

Be it known that we, GEORGE B. RHEINFRANK and GEORGE J. GILSDORF, citizens of the United States, residing at Toledo, Lucas county, Ohio, have invented new and useful Shower Devices, of which the following is a specification.

This invention relates to plumbing apparatus.

This invention has utility when embodied as a needle shower device and adapted for mounting on bath tub Fuller faucet.

Referring to the drawings: Figure 1 is a side view with parts broken away of an embodiment of the invention mounted on bath tub faucet; and Fig. 2 is a front view thereof, with parts broken away.

The bath tub 1 is shown as provided with usual type of Fuller faucet 2 having the horizontally disposed portion with the downwardly directed discharge opening 3. To seat against this opening is the gasket 4 of the fitting 5 of the shower device. This fitting 5 has the chamber 6 therein which has an inlet registering with the discharge opening 3 to place the fitting in communication with the duct of the faucet 2.

The fitting 5 is provided with the removable plug 7 to permit access to the valve 8 in the chamber 6. This valve 8 serves as a by-pass or three-way valve, and is shown in Fig. 1 as seated on adjustable by-pass outlet 9. The valve 8 is mounted pivotally on shaft 10 and actuated by handle 11, so when thrown against seat 12, the water from faucet 2 is by-passed to not go through the shower device proper. This affords a ready means for adjusting the valve 2 to bring the water to the desired temperature from the hot and cold water supply, as well as permitting use of the faucet for normal drawing of water.

The valve 8 when seated on discharge 9, permits flow from chamber 6 into pipe 13 leading to the branched duct 14 with which is connected the return bend 15, which has perforations 16 of the needle spray feature of the shower proper. The shower is thus without any dead ends to accumulate silt and clog, for the duct is endless and permits free and uniform circulation through the branches of the Y and to complete the loop.

As shown, the device is upstanding, and is self-draining by partial throwing of valve 8 which permits water from duct 13 to pass into chamber 6 and out discharge 9.

From the branch portion 14 of the device

extends the bracket 17 having set screw 18 coacting with the washer 19, seating on the top portion of the Fuller faucet 2 from which the soap cup has been removed, the washer 19 centering with the screw thread opening left by removing the cup. With this simple expedient, the whole spray or shower device may be readily and conveniently mounted on standard bath tub fittings. The adjustment through the set screw 18, not only permits attachment to various sizes and types of fittings, but incidentally, if not primarily, brings the inlet of fitting 5 to its seat against faucet opening 3, whereby the seat combining with the action of the set screw affords substantial and rigid holding scheme for the shower device. Slight loosening of the set screw 18 allows of ready removal of the shower device. However, when mounted there is no occasion for detaching to permit normal use of the bath tub, for the by-pass provides means for regular use of the faucet 2.

The device herein disclosed, accordingly, has a wide and general application, in economically producing added features of a most desirable equipment in a simple and effective manner.

What is claimed and it is desired to secure by Letters Patent is:

1. The combination with a faucet having a downwardly directed discharge opening, of a shower device having an opening to connect with the faucet discharge opening, and a bracket oppositely coacting with the faucet and effective to hold the device in upstanding position.

2. An upstanding shower device having an endless duct and a valve movable to cause supply to by-pass the shower or be delivered therethrough.

3. An upstanding shower device having a bracket duct, the branch portions of which interconnect to insure circulation and eliminate dead ends, and a valve movable to cause supply to by-pass the shower or be delivered therethrough.

4. A shower device comprising a vertically disposed duct branching upwardly, a holding bracket for the duct, and a valve movable to cause supply to by-pass the shower or be delivered therethrough.

5. A shower device comprising an upstanding branched duct having a needle shower portion connecting the branches of said duct, and a valve movable to cause supply

to by-pass the shower or be delivered therethrough.

6. The combination with a faucet having a discharge opening, of a shower device having an opening to connect with the faucet discharge opening, and a bracket engaging the faucet to hold the shower device upright.

7. The combination with a faucet of an upstanding shower device provided with a duct in communication with the faucet to supply the shower, and also having a bracket coacting with the faucet at a point spaced from the duct connection, whereby the duct and bracket connections with the faucet effectively mount the device in upstanding position.

8. The combination with a faucet having a downwardly directed discharge opening, of a rigid shower device having an opening to connect with the faucet discharge opening, and a bracket coacting with the top of the faucet to hold the device in position.

9. The combination with a faucet having a discharge opening and opposite thereto a seat, of a shower device having a duct connection with the faucet discharge opening

and a bracket device adjustable to engage the seat to thereby hold the device in position as to the faucet.

10. The combination with a faucet of an upstanding needle shower device mounted thereon, said device provided with a faucet engaging bracket to maintain the device in position, and a valve movable to cause the faucet discharge to be delivered past or through the shower.

11. A shower device having a main duct and a by-pass duct leading therefrom, the by-pass and shower delivery side of the main duct provided with valve seats, and a pivoted valve movable against the main duct seat to by-pass the shower supply and movable against the by-pass seat to effect shower delivery.

In testimony whereof we hereunto set our hands in the presence of two witnesses.

GEORGE B. RHEINFRANK.
GEO. J. GILSDORF.

Witnesses:

C. H. RAUCH,
GEO. E. KIRBY.

Correction in Letters Patent No. 931,890.

It is hereby certified that in Letters Patent No. 931,890, granted August 24, 1909, upon the application of George B. Rheinfrank and George J. Gilsdorf, of Toledo, Ohio, for an improvement in "Shower Devices," an error appears in the printed specification requiring correction, as follows: In line 99, page 1, the word "bracket" should read *branched*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 14th day of September, A. D., 1909.

[SEAL.]

F. A. TENNANT,
Acting Commissioner of Patents.

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