Dec. 1, 1925. 1,563,344

E. L. CORBETT

COMBINED HOT AND COLD WATER FAUCET

Filed Aug. 25, 1925

Fig. 1.

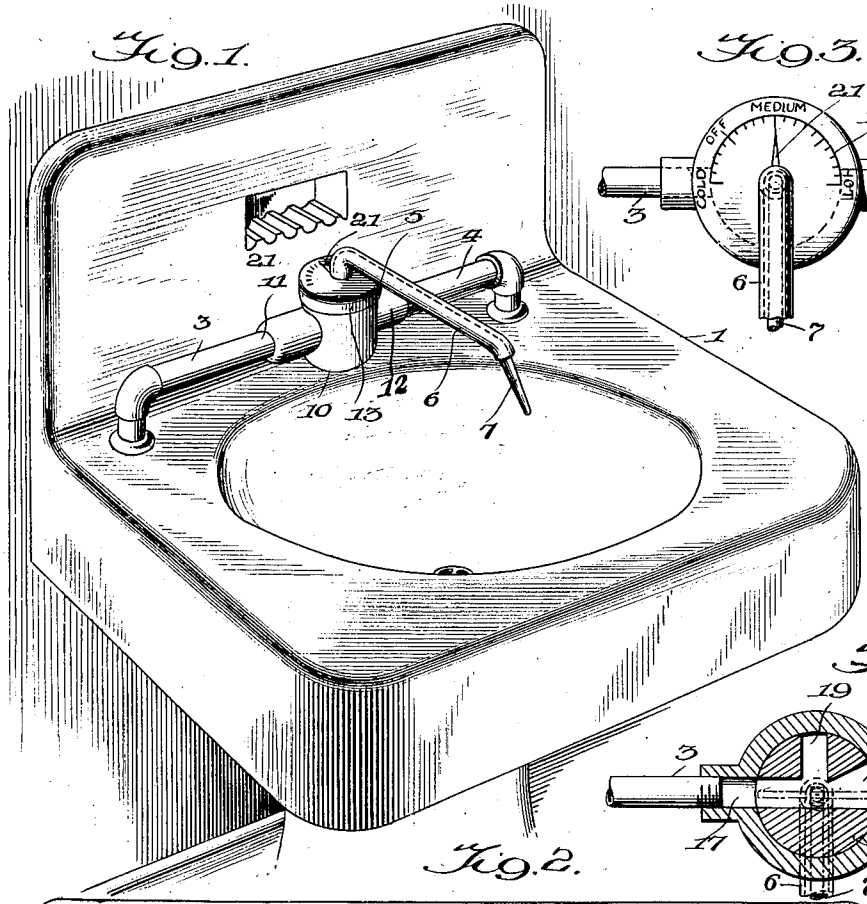
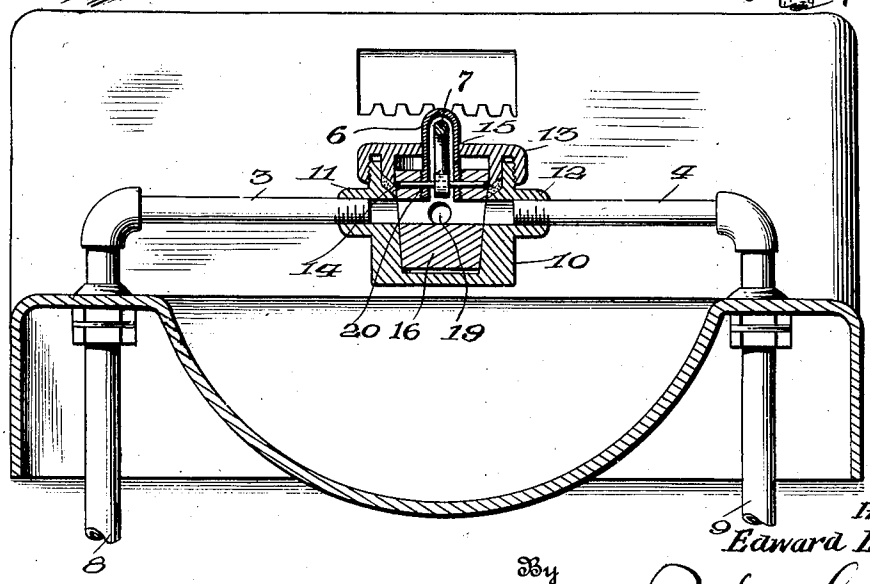


Fig. 3.

Fig. 4.

Fig. 2.



Inventer
Edward L. Corbett

By Parker Cook.
Attorney

Patented Dec. 1, 1925. 1,563,344

UNITED STATES PATENT OFFICE.

EDWARD L. CORBETT, OF NEW YORK, N. Y.

COMBINED HOT AND COLD WATER FAUCET.

Application filed August 25, 1925. Serial No. 52,313.

To all whom it may concern:

Be it known that I, EDWARD L. CORBETT, a citizen of the United States, residing at New York, in the county of Bronx and State of New York, have invented certain new and useful Improvements in Combined Hot and Cold Water Faucets, of which the following is a specification.

My invention relates to new and useful improvements in plumbing fixtures such as a combined hot and cold water faucet, and has for an object to provide an arrangement whereby the handle of the faucet is kept in a sanitary condition due to the fact that when the handle is manipulated to turn on the water, the latter flows over the handle to thereby cleanse the same.

The fixture is one that may be used to advantage in hospitals, sanitariums and dispensaries wherein it is absolutely essential that the fingers and hand of the doctors and surgeons be absolutely clean.

It is the practice in most of the hospitals that the surgeon before an operation wash his hands from ten to twenty minutes, holding his hands under the running water from the faucet, and without thinking after he has finished washing his hands he will grasp the handle of the faucet to shut off the flow of the water.

If his hands or fingers were contaminated before the washing, in all probability he will have deposited some germs on the faucet handle, and when he again goes to turn off the water, he will be subjected to the same germs previously deposited, so that the washing of the hands even for the twenty minutes may have been of no avail.

Therefore, one of the principal objects of my invention is to provide a faucet in which there is a valve allowing for a mixture of hot and cold water, and at the same time to provide a handle which protrudes from the outlet pipe of the faucet so that when the handle is grasped to manipulate the faucet any germs that may be deposited on the handle will be washed off by the flowing water, so that when the operator in turn turns off the water, the handle will be thoroughly clean.

With these and other objects in view the invention consists in certain new and novel arrangements and combination of parts as will be hereinafter most fully described and pointed out in the claims.

Referring now to the drawings showing the preferred embodiment of the invention,

Fig. 1 is a perspective of my improved fixture, mounted on a wash bowl or basin of conventional design.

Fig. 2 is a longitudinal section of the basin and through the improved faucet.

Fig. 3 is a fragmentary top plan view of the faucet and

Fig. 4 is a fragmentary detail section showing the arrangement of the ports.

Referring now more in particular to several views, I have shown a conventional form of basin 1 having my improved sanitary fixture applied thereto, the fixture comprising a cold water inlet pipe 3, a hot water supply pipe 4 and the improved faucet proper 5 having the outlet or discharge pipe 6 from which extends the outer end of the handle 7.

As may be seen in Fig. 2, the cold water pipe 3 will be secured to the main cold water supply pipe 8 while the hot water branch pipe 4 will be connected to the main hot water supply pipe 9.

The faucet proper 5 comprises the body portion 10 preferably circular in outline with the two inlets 11 and 12 for the reception respectively of the pipes 3 and 4. A cap 13 is threaded on the body portion and a packing 14 provided to prevent the water from leaking about the cap, or through an opening 15 through which extends the outlet pipe 6 to discharge the water into the basin 1.

Mounted within the body 10 is the rotatable valve plug 16 having the cold water port 17 and the opposite port 18 and likewise the right angular positioned port 19, which will be swung to register with either the inlet 11 or inlet 12 when just hot or just cold water is wanted.

There is also provided the outlet port 20 which allows the water to pass up through the valve 16 into the outlet pipe 6.

Mounted centrally within this outlet pipe 6 and preferably extending into the valve 16, is the aforementioned handle 7, which protrudes beyond the end of the outlet pipe 6, so that the same may be grasped by the operator to turn the valve.

This handle, of course, is less in diameter than the diameter of the outlet pipe 6 so that the water may pass through the pipe 6 and at the same time flow around the handle 7 the water thereby cleansing

the handle 7 the moment the handle is operated to the right or left to turn on the water supply.

If the valve is in position as shown in Fig. 4 the hot and cold water will pass in from the several pipes 3 and 4, and the water will be of a medium temperature. If simply cold water is wanted, the handle 7 will be forced to the right so that the small pointer 21 will be opposite the point marked "Cold" and this will allow the port 19 (Fig. 4) to register with the inlet 11 and cold water will pass out of the outlet pipe 6 over the end of the handle 7. Midway between the point marked "Medium" and "Cold," the faucet will be turned off as none of the ports 17, 18 or 19 will register with the inlets 11 and 12. If it is desired to turn on the hot water the handle 7 will be forced over to the left moving, of course, the outlet pipe 6 and the port 19 will now register with the hot water inlet and pipe 4.

It is possible, therefore, to turn on either the hot or the cold water or both to modify the temperature by the arrangement I have shown.

From the foregoing it will be seen that I have provided what I term a sanitary faucet wherein the handle of the faucet is continuously subjected to a cleansing action by a flowing of the water the moment that the water is turned on, thus assuring that, if any germs are deposited on the handle, they will be washed off the same and the latter will then be clean when the operator goes to turn off the water. Many slight changes might be made without in any way departing from the spirit or scope of the invention.

Having thus described the same, what I claim as new and desire to secure by Letters Patent is:—

1. A sanitary water fixture comprising a hot and cold water inlet, a valve for regulating the amount of hot and cold water passing through the same, an outlet pipe for the fixture and a handle extending directly in the flow of water from the outlet pipe to thereby constantly cleanse the same while the fixture is turned on.

2. A sanitary faucet comprising a body portion having a valve therein, hot and cold water inlets extending into the body portion, means for regulating the flow of hot and cold water into the body portion, by the operation of said valve, a revolvable outlet pipe mounted in the body portion and a handle protruding from the outer end of the outlet pipe, the handle therefore subjected to the cleansing action of the water during the flow from the outlet pipe.

3. A sanitary faucet comprising a body portion, a valve provided with a plurality of ports within said body portion, hot and cold water inlets extending into the body portion, an outlet pipe connected to the valve and arranged to rotate with said valve, a handle fitting within said outlet pipe and extending beyond the outer end of the same to revolve the outlet pipe and the valve to thereby regulate the supply of water and said handle subjected to the cleansing action of the water discharged.

4. A sanitary faucet comprising a body portion with hot and cold water inlets, a valve rotatably mounted in said body portion, and having three inlet ports and an outlet port, a discharge pipe connected with the outlet port of said valve, and said outlet pipe rotating with said valve to regulate the flow of water into and out of the said faucet, a handle protruding beyond the lower end of the discharge pipe directly in the path of the water discharged to thereby continuously cleanse the handle when the valve is manipulated.

5. A sanitary faucet comprising a body portion having inlets at its opposite sides and pipes extending therefrom adapted to be connected respectively to main hot and cold water supply pipes, a rotatable valve within said body portion and provided with a plurality of ports and a central discharge port from said valve, a discharge pipe leading from said discharge port and said discharge pipe rotating with said valve to regulate the supply of water, and means positioned directly in the flow of the discharge pipe for revolving the pipe and valve to regulate the discharge of the water and the said means being cleansed by the action of the water.

In testimony whereof I affix my signature.

EDWARD L. CORBETT.