R. L. HALLETT.

Faucet.

No. 164,448. Patented June 15, 1875.

Fig. 1

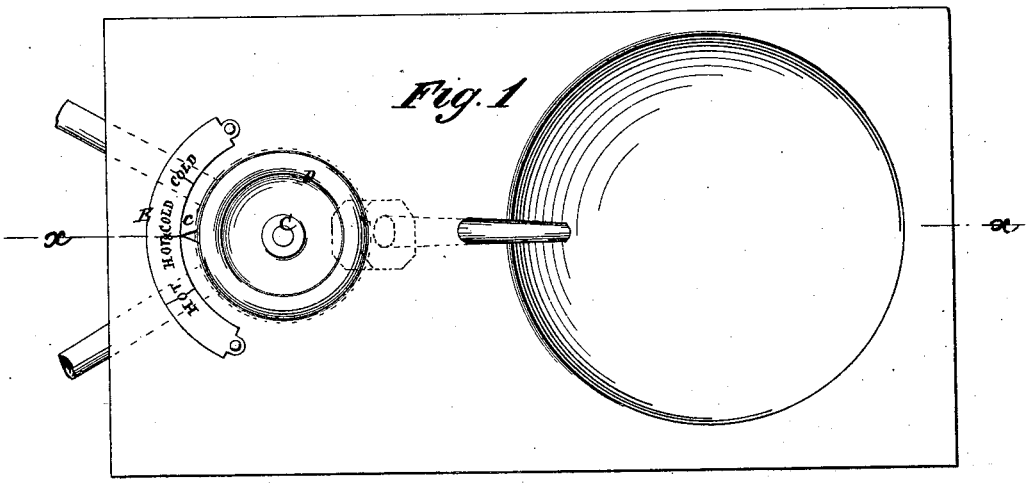


Fig. 2

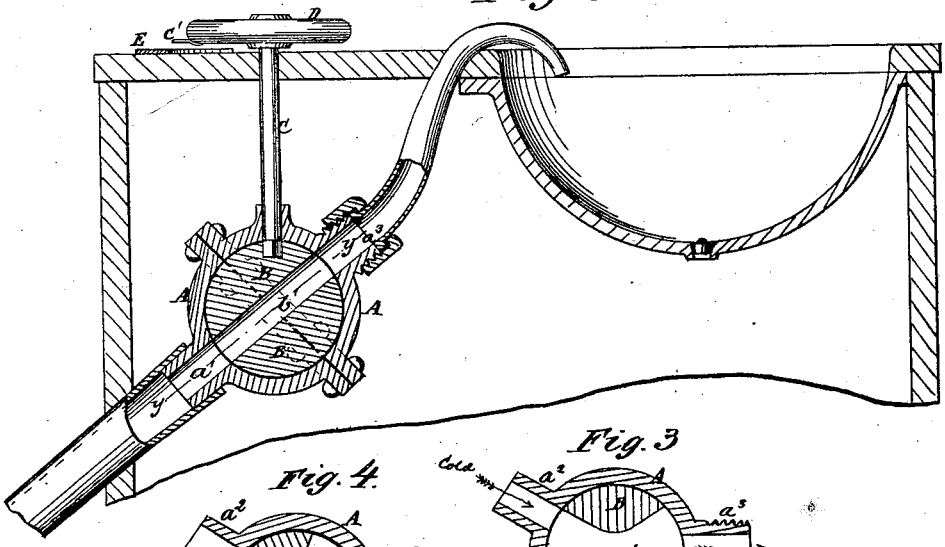


Fig. 3

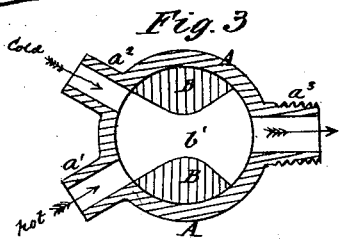


Fig. 4

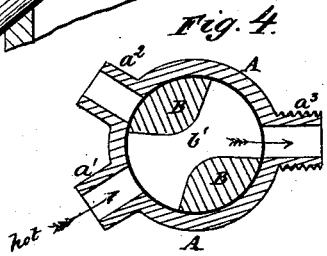
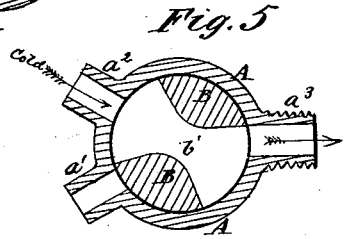


Fig. 5



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROBERT L. HALLETT, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN FAUCETS.

Specification forming part of Letters Patent No. **164,448**, dated June 15, 1875; application filed April 22, 1875.

To all whom it may concern:

Be it known that I, ROBERT L. HALLETT, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Faucets, of which the following is a specification:

Figure 1 is a top view of a wash-bowl stand to which my improved faucet has been applied. Fig. 2 is a detail section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a detail section of the same, taken through the line *y y*, Fig. 2, shown as adjusted for drawing both hot and cold water. Fig. 4 is the same view as Fig. 3, but shown adjusted for hot water alone. Fig. 5 is the same view as Fig. 3, but shown as adjusted for drawing cold water alone.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved faucet for drawing hot and cold water, or two kinds of liquids, either at the same time and mixed or separately, and discharging them through the same discharge-pipe, and which shall be simple in construction and reliable in use.

The invention consists in the combination, with a spherical case having two inlets and a single outlet, of a spherical valve contained within said case, and operated by a stem connected with a hand-wheel, the said valve having an orifice which is narrow in the middle and broad at the outer edge, so that the two inlets of the case may be opened either singly or both at a time.

A represents the case or shell of the faucet, which is made in the form of two hollow half-spheres, which are flanged at their edges to receive the bolts by which they are secured to each other. The case A is provided with two inlet-pipes, a^1 a^2, at a little distance from each other, and with one outlet-pipe, a^3, upon the opposite side from the said inlet-pipes, as shown in Fig. 2. B is the plug of the faucet, which is spherical in form, and has a hole, b', formed through it. The hole b' is made narrow in the middle and flaring toward both ends, as shown in Figs. 3, 4, and 5. The size of the outer ends of the hole b' is such that when turned into the position shown in Fig. 3, the openings of all three pipes a^1 a^2 a^3 will be uncovered, and both hot and cold water or other two liquids to be drawn will flow out freely. By turning the plug in either direction a sufficient distance to cover the opening of one of the pipes a^1 a^2 the liquid from the other pipe alone will flow through the faucet. A ring-packing, of rubber or other suitable material, should be placed between the edges of the parts of the case A, so that the wear may be taken up by replacing said packing with a thinner one. C is the stem, which passes in through a hole in the top of the case A, and is secured to the plug B, so that the said plug may be turned by turning the said stem C. To the outer end of the stem C is attached a hand-wheel, knob, crank, or other handle, D, which has a pointer, d', attached to it and pointing to an index, E, attached to the stand or other support for the faucet, and which has marks formed upon it to indicate the position when both the inlets are uncovered, and when only one is uncovered.

It will be observed that the faucet will not be opened by turning the plug B half a revolution.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the case A, having inlets a^1 and a^2 and a single outlet, a^3, of the spherical valve B, having a passage, b', the stem C, and the hand-wheel D, substantially as described.

ROBT. L. HALLETT.

Witnesses:

JAMES T. GRAHAM,
ALEX. F. ROBERTS.