

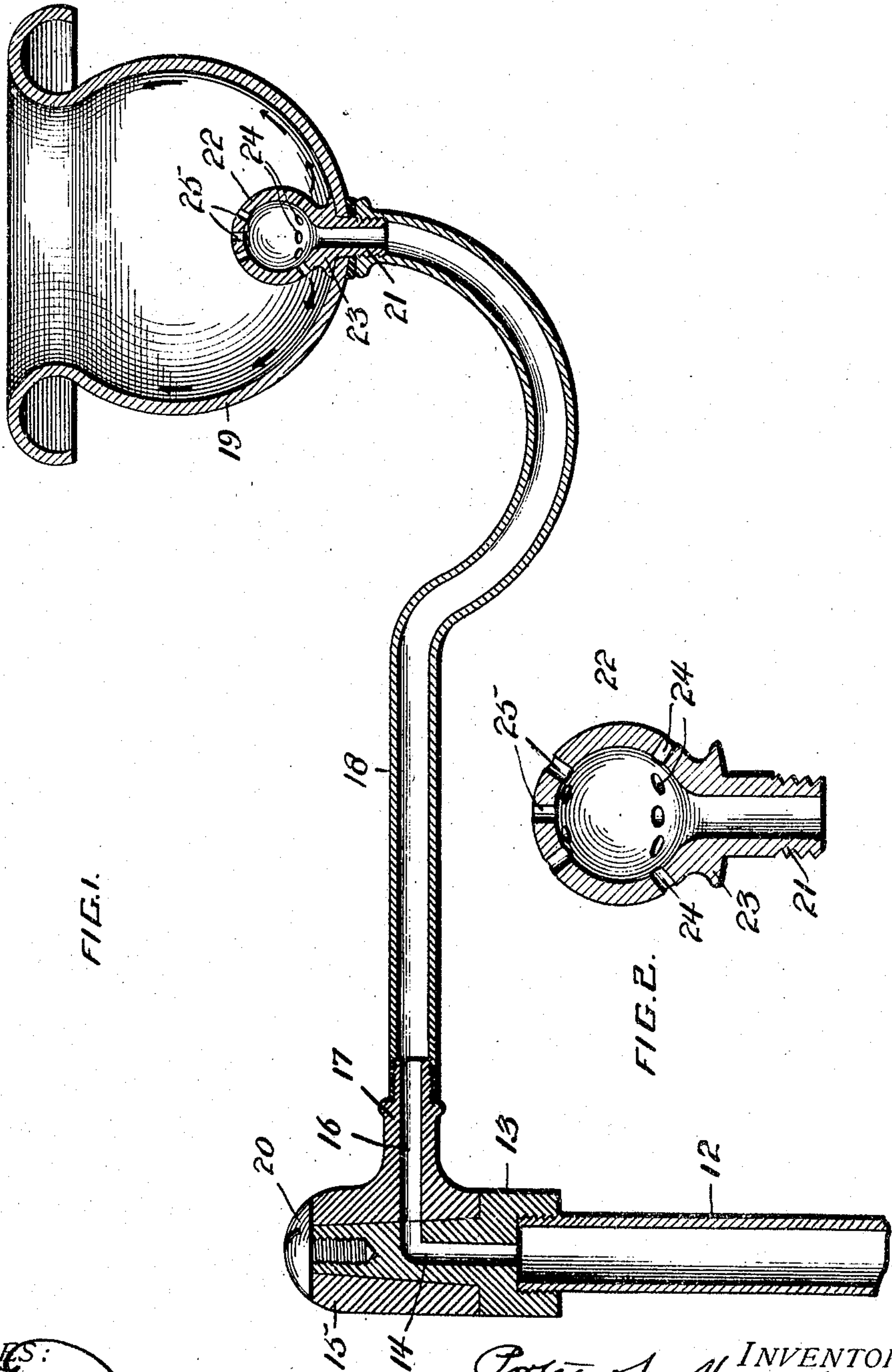
P. S. HAMRICK & S. B. TOBEY.

DRINKING FOUNTAIN.

APPLICATION FILED OCT. 28, 1908.

915,855.

Patented Mar. 23, 1909.



WITNESSES:

W. F. Kaye
L. M. Sweeney

BY

INVENTORS:
Porter S. Hamrick
Silas B. Tobey

Calvin K. K. K.
Attorneys.

UNITED STATES PATENT OFFICE.

PORTER S. HAMRICK AND SILAS B. TOBEY, OF WAUSAU, WISCONSIN.

DRINKING-FOUNTAIN.

No. 915,855.

Specification of Letters Patent.

Patented March 23, 1909.

Application filed October 28, 1908. Serial No. 459,866.

To all whom it may concern:

Be it known that we, PORTER S. HAMRICK and SILAS B. TOBEY, citizens of the United States, residing at Wausau, in the county of Marathon and State of Wisconsin, have invented or discovered certain new and useful Improvements in Drinking-Fountains, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to drinking fountains, and has for its object to provide a self-cleansing, sanitary drinking cup which is attached in fixed position to a supporting pipe which is preferably a part of a swinging shut-off faucet.

To this end the improved drinking cup comprises a spray-head which is arranged in the bottom thereof, and by which said drinking cup is preferably attached to the upwardly projecting end of a supporting pipe, said spray head being provided in its lower part with an annular series of inclined passages for forming jets of water which are projected against the lower interior surface of the cup in such a manner as to thoroughly cleanse the cup by the upward flow of the water from said jets. The spray-head is also preferably provided at its upper part with a series of vertical passages through which the water will flow upward in the interior of the cup in such a manner as to lift the center of the rising column of water above the level of the rim of the cup, to facilitate drinking.

In the accompanying drawings Figure 1 is a sectional view of the improved drinking fountain or fountain attachment, illustrative also of its manner of use, and Fig. 2 is a detail view of the spray head.

Referring to the drawings, 12 denotes a water pipe connected with any suitable source of supply, and to the top of which is attached a block or head 13 the upper portion of which is formed tapered or conical, as shown, and the said block or head 13 being provided with a duct 14. Fitting the conical or tapered portion of the block or head 13 is a sleeve 15 provided with a duct 16 which, when said sleeve is in the position shown in the drawing, will be in register with the outlet port of the duct 14, the said sleeve being provided with a projection 17 to which is suitably fitted, as by a screw joint, a pipe 18 on which is mounted a drinking cup 19. The sleeve 15 is held in place by means of a cap

20 provided with a screw stud in the top of the conical portion of the block or head 13.

The outer end of the supporting pipe 18 is curved upwardly and is screw threaded for the reception of the threaded shank 21 of a globular spray-head 22 provided at its base with an annular flange 23 which bears against the bottom of the cup 19 above an aperture in said bottom through which the shank 21 of the said spray-head passes; so that by screwing said spray head into the pipe the cup 19 will be fixedly attached in place. The spray-head is provided near its base with an annular series of passages 24 which are downwardly and outwardly inclined in such a manner as to cause jets of water passing through the same to be projected against the interior surface of the cup 19 so as to have a tendency to constantly cleanse the interior of the cup by the upward flow of the water. The said spray-head is also preferably provided at its top with one or more vertical passages 25 through which the water will flow upward so as to lift the central portion of the body of water in the cup, and thus facilitate drinking from the same.

From the foregoing it will be understood that when the parts are in the position shown in Fig. 1 of the drawings the water will be turned on, so as to afford a constant flow into the drinking cup 19; but when the sleeve 15 is swung around to a position to cause the duct 16 to be out of register with the outlet port of the duct 14 the water will be shut off; the swinging pipe 18 and sleeve 15 providing a swinging shut-off faucet.

The invention thus provides a self-cleansing, sanitary drinking cup which is intended to take the place of the unsanitary drinking cups now generally in use. Any suitable catch-basin to receive the overflowing water from the cup 19 may, in practice, be provided.

The invention is not to be understood as being limited to all of the details herein shown and described, as various modifications of such details, within the limits of mechanical skill, may be made without departing from the spirit of the invention.

Having thus described our invention we claim and desire to secure by Letters Patent:

1. In a drinking fountain, the combination with a supply pipe, of a drinking cup mounted thereon and provided in its lower part with a spray-head having in its lower

portion inclined outlet passages so disposed as to cause jets of water to be projected against the lower portion of the interior of the cup, so that the cup will be automatically cleansed by the upwardly flowing water.

2. In a drinking fountain, the combination with a supply pipe, of a drinking cup mounted thereon and provided in its lower part with a spray-head having in its lower portion inclined outlet passages so disposed as to cause jets of water to be projected against the lower portion of the interior of the cup, so that the cup will be automatically cleansed by the upwardly flowing water, said spray-head being provided in its upper portion with one or more vertical outlet passages tending to lift the rising column of water in the central portion of the cup.

3. In a drinking fountain, the combination with a water-supply pipe, of a head or block mounted thereon and provided with a suitable duct, a sleeve surrounding a portion of the said head or block and provided with a duct which may be brought into register with the outlet port of the first-named duct, a pipe attached to said sleeve, and a drinking cup fixedly attached to the outer swinging end of said pipe, said cup being provided at its lower portion with a spray-head having in its lower portion inclined passages so disposed as to cause jets of water to be projected against

the interior lower surface of said cup and thereby cause an upward flow of water against the interior of the cup for the purpose of cleansing the same.

4. In a drinking fountain, the combination with a water-supply pipe, of a head or block mounted therein and provided with a suitable duct, a sleeve surrounding a portion of the said head or block and provided with a duct which may be brought into register with the outlet port of the first-named duct, a pipe attached to said sleeve, and a drinking cup fixedly attached to the outer swinging end of said pipe, said cup being provided at its lower portion with a spray-head having in its lower portion inclined passages so disposed as to cause jets of water to be projected against the interior lower surface of said cup and thereby cause an upward flow of water against the interior of the cup for the purpose of cleansing the same, and said spray-head having one or more vertical outlet passages into its upper portion.

In testimony whereof we affix our signatures, in presence of two witnesses.

PORTER S. HAMRICK.
SILAS B. TOBEY.

Witnesses:

ROBERT SCHMIDT,
J. C. KUHLMANN.