

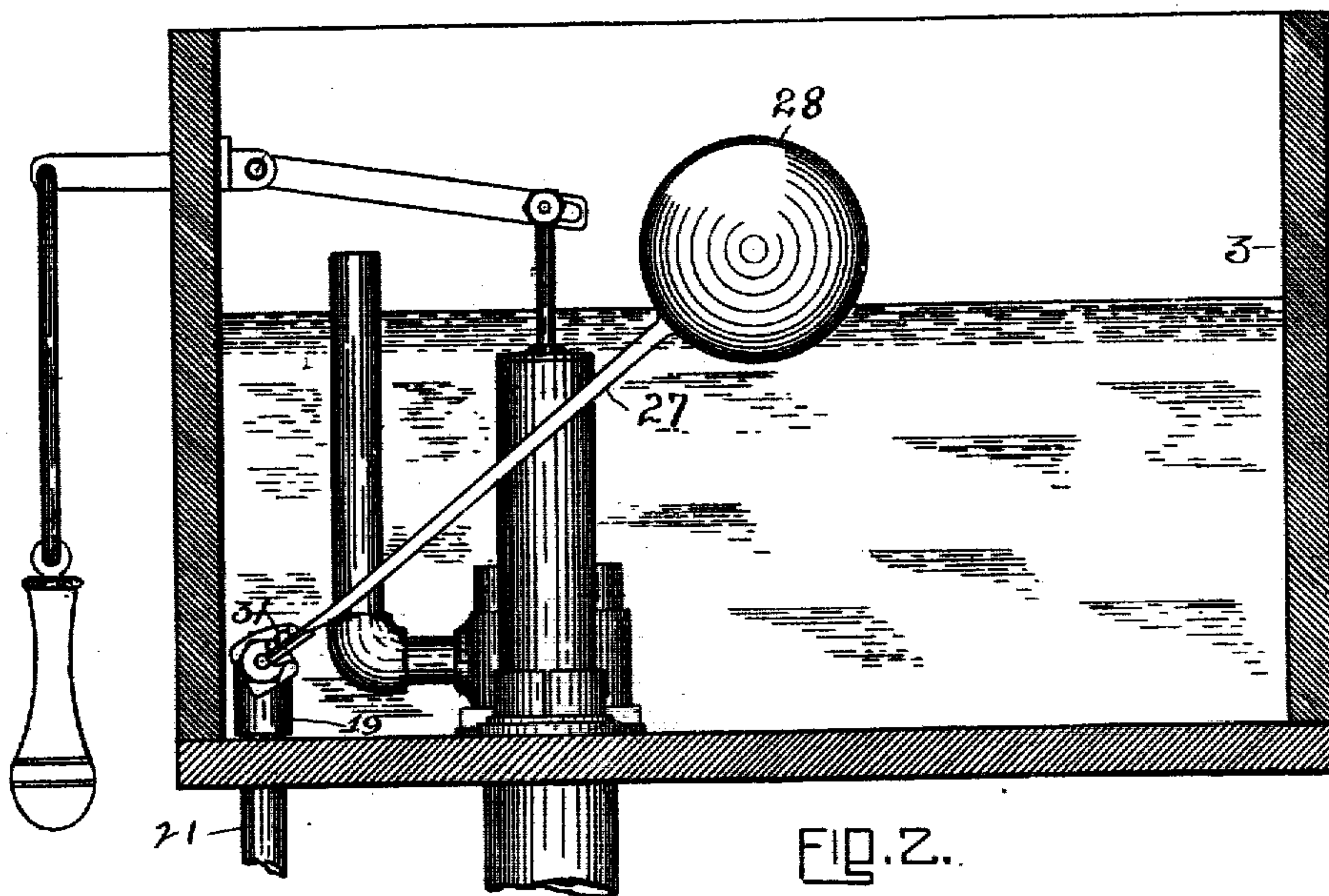
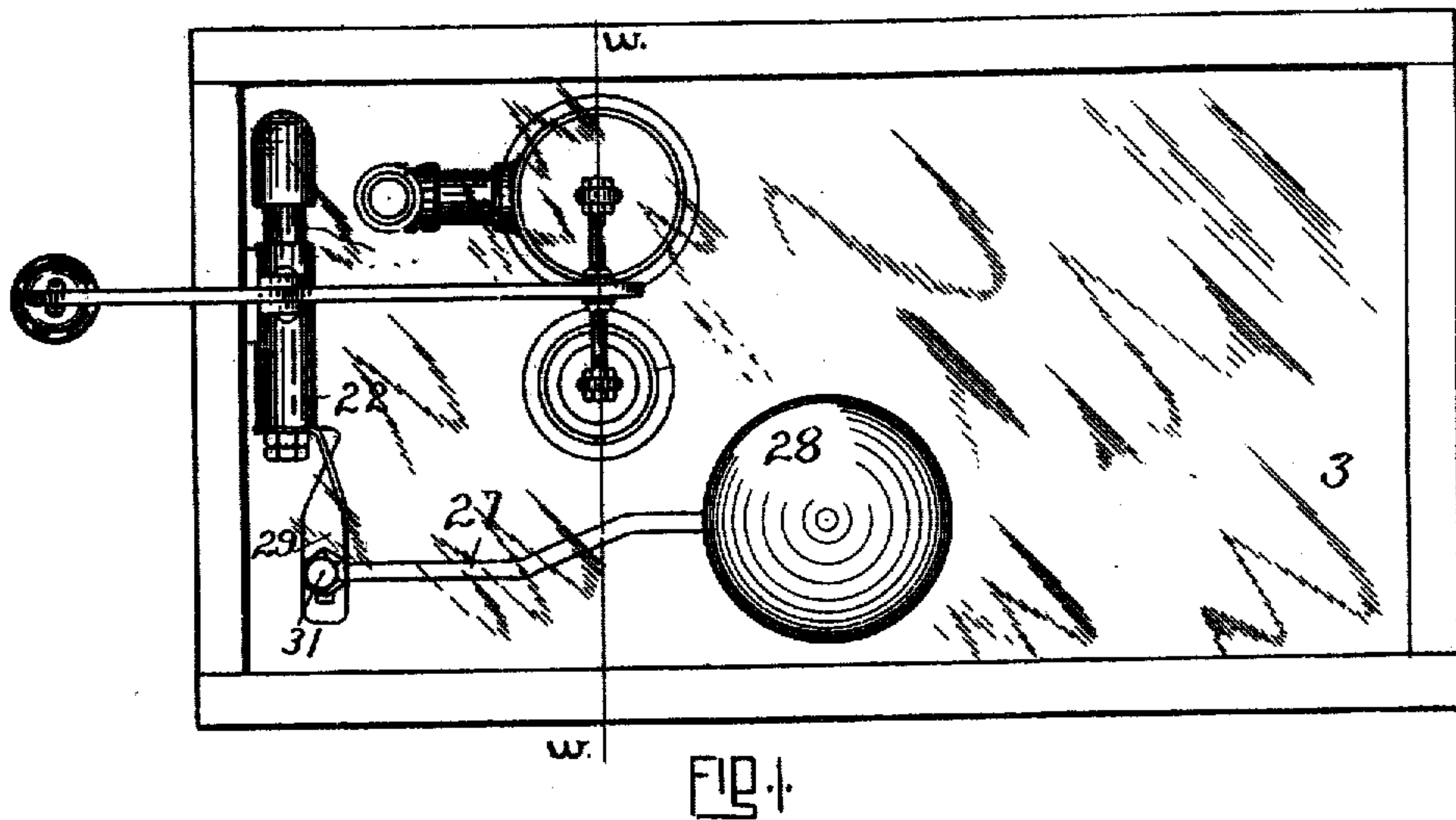
No. 814,353.

PATENTED MAR. 6, 1906.

W. BURNS, SR.
FLUSHING TANK.

APPLICATION FILED OCT. 31, 1904.

2 SHEETS—SHEET 1.



WITNESSES:
J. Fred Hemberger
Matthew Luebber

William Burns, Sr.
INVENTOR.
By R. J. McCarty,
ATTORNEY

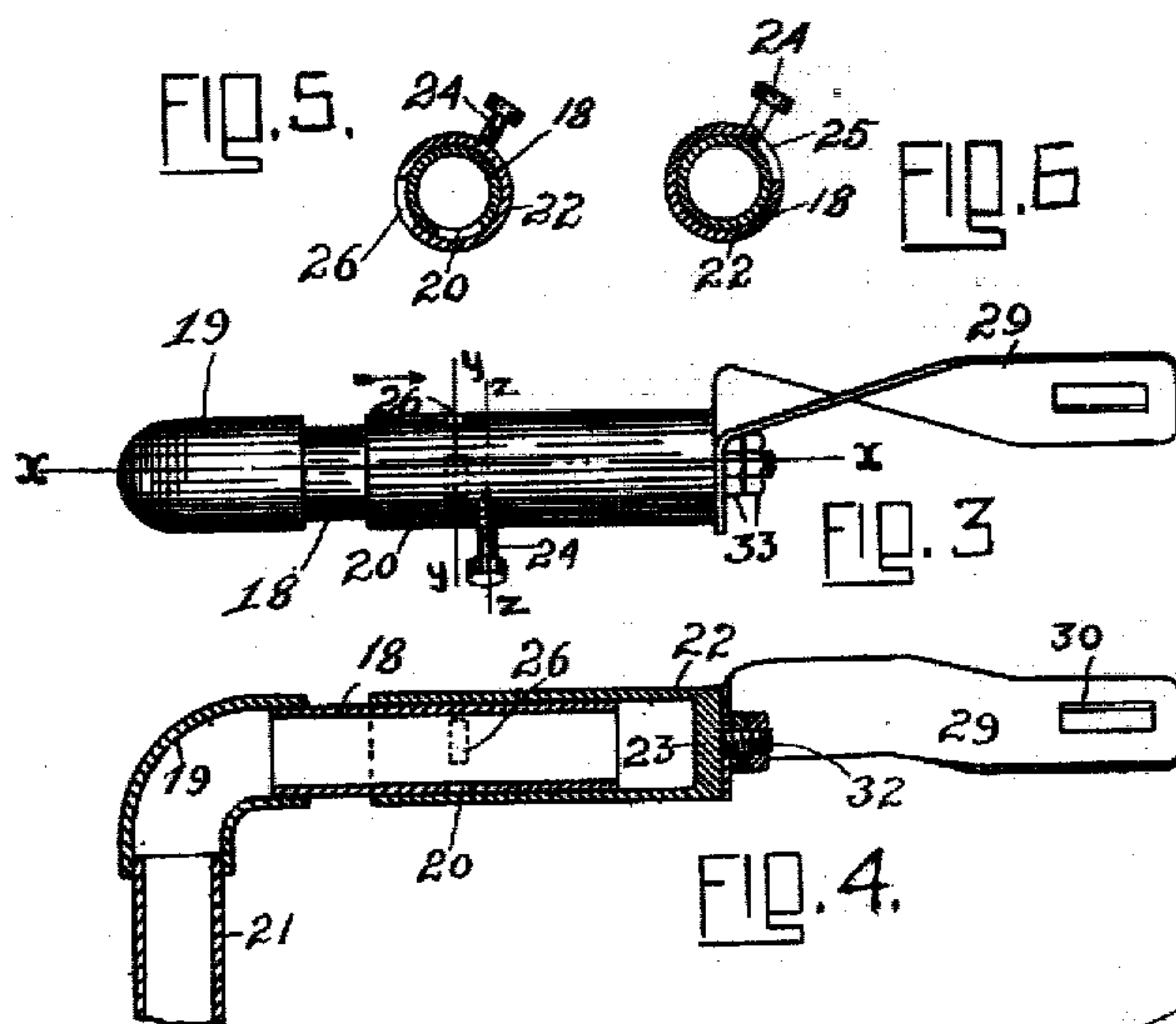
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UNITED STATES PATENT OFFICE.

WILLIAM BURNS, SR., OF DAYTON, OHIO.

FLUSHING-TANK.

No. 814,353.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed October 31, 1904. Serial No. 230,646.

To all whom it may concern:

Be it known that I, WILLIAM BURNS, Sr., a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Flushing-Tanks; and I do declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in flushing-tanks, and has for its object the provision of means for introducing the water to the tank, all as hereinafter more fully described, reference being made to the accompanying drawings, of which—

Figure 1 is a top plan view of the flushing-tank, having my improvements therein. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a detached top view of the inlet-valve. Fig. 4 is a sectional view of the same on the line $x x$ of Fig. 3. Figs. 5 and 6 are cross-sections on the line $y y$ and $z z$ of Fig. 3.

The inlet-valve consists of a tube 18, which is arranged upon the interior of the tank 3 adjacent to the base thereof and one end of which is provided with a bend 19, which connects with the supply-pipe 21, which projects through the base of the tank. The central portion of the tube 18 is provided with a discharge-port 20, which opens in the direction of the base of the tank and discharges the water downwardly, thereby preventing any unnecessary splashing of water within the tank during the period of its filling.

22 designates a tube which fits over the tube 18 and incloses the open end of said tube 18 by a solid end 23. This outer tube is secured upon the inner tube 18 against any longitudinal movement by means of a pin 24, which penetrates a transverse oblong slot 25 in said outer tube and is fixed to the inner tube 18. This connection enables the outer tube to receive the necessary oscillating movements on the inner tube and at the same time prevents said outer tube from shifting

lengthwise out of an operating position. The body of said outer tube 22 has an outlet-port 26, which is in a position to register with or close the port 20 of the inner tube or to partially close said port 20, as the case may be. The float 28 is connected to this outer tube by means of a float-rod 27, which is adjustably attached to the solid end 23 of the outer tube by means of an arm 29. The attachment of the float-rod 27 is enabled by means of an oblong slot 30 in the end of said arm 29 and may be adjusted to a proper position by means of said slot and a tappet 31. (See Fig. 2.) The other end of the arm 29 is adjustably attached to the solid end of the outer tube 22 by means of a screw-threaded stud or pin 32 and jam-nuts 33, the latter serving to bind the end of the arm 29 against the solid end of the tube in any position desired. In other words, the extent of the rotary or oscillating movement of the outer tube 22 imparted from the float may be regulated by adjusting the position of the arm 29 in accordance with the extent of inlet-opening desired for the port 20 of the inner tube 18.

Referring to Fig. 5, it will be readily seen that the outer port 26 may be moved to register full with the inner port 20 or to any extent less than a full registration.

Having described my invention, I claim—

In a flushing-tank, an inlet-tube arranged horizontally adjacent to the base of the tank and having an outlet-port in the lower side thereof, an inclosing tube for said inlet-tube having one end thereof solid, and the body of said inclosing tube having a port adapted to register with the port in the inlet-tube, means for preventing longitudinal movement of the inclosing tube, and an arm adjustably secured to the solid end of said inclosing tube, said arm supporting the float, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM BURNS, SR.

Witnesses:

R. J. McCARTY,
MARIE BARNES.