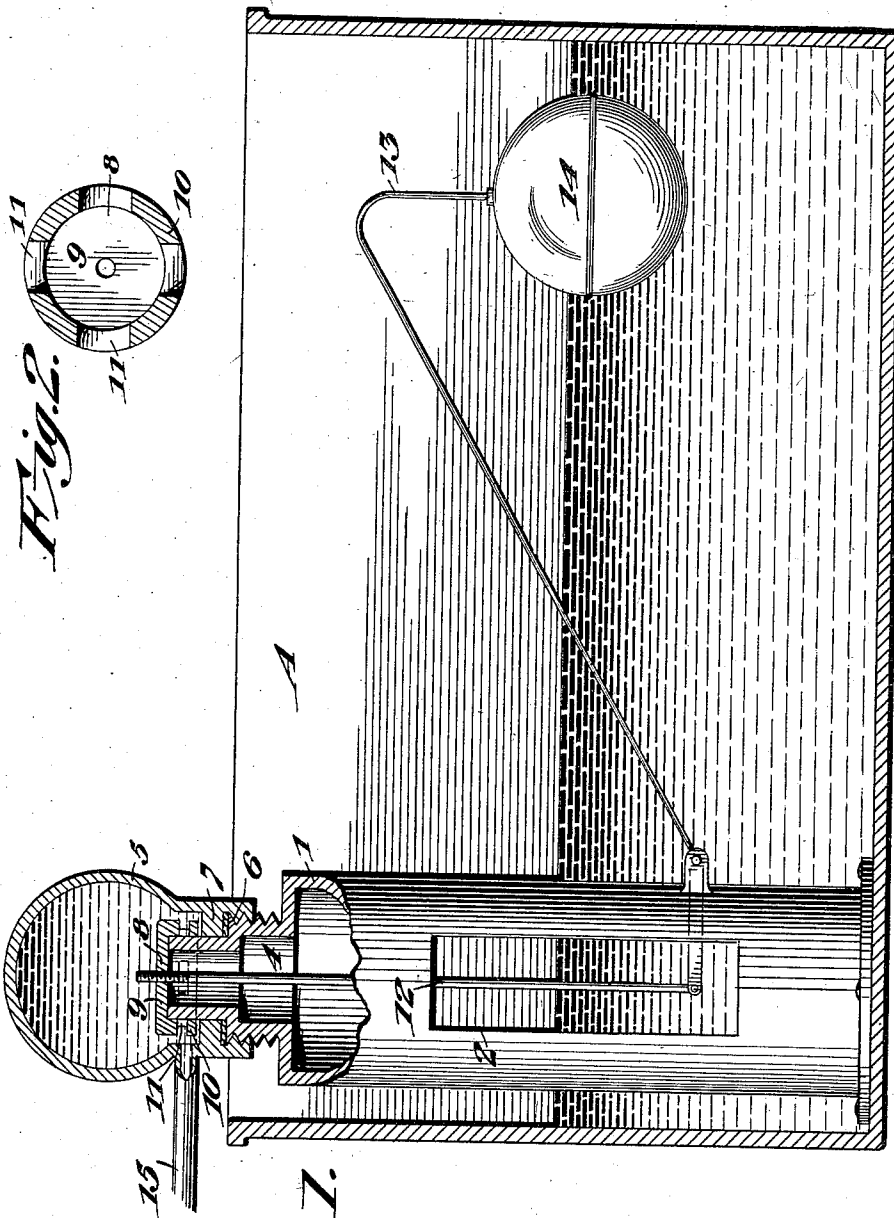


A. J. ASHFORD.
CLOSET CISTERN SUPPLY VALVE.
APPLICATION FILED AUG. 6, 1910.

1,013,720.

Patented Jan. 2, 1912.



Witnesses
Gloyd W. Patch
J. L. Ourand

Fig. 1.

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UNITED STATES PATENT OFFICE.

ALFRED JOHNSON ASHFORD, OF KINSTON, NORTH CAROLINA.

CLOSET-CISTERN-SUPPLY VALVE.

1,013,720.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed August 6, 1910. Serial No. 575,967.

To all whom it may concern:

Be it known that I, ALFRED J. ASHFORD, a citizen of the United States, residing at Kinston, in the county of Lenoir and State of North Carolina, have invented certain new and useful Improvements in Closet-Cistern-Supply Valves, of which the following is a specification.

My invention relates to an improvement in closet cistern supply valves, and the object is to provide a valve with openings formed in the wall thereof through which the water is admitted to the valve casing, and which valve is controlled in its movements by the float.

The invention consists of certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claim.

In the accompanying drawings, Figure 1, is a vertical sectional view through the closet cistern, and disclosing the upper portion of the valve casing and valve in section, and Fig. 2 is a cross sectional view of the valve.

A, represents the cistern, and 1 is a stand-pipe mounted within the cistern, and is provided with slots 2 in the wall thereof for discharging water into the cistern. The neck 4 of the valve casing is screw-threaded on its exterior surface and supported on the neck is a reservoir 5 which has internal screw-threads which engage the screw-threads on the neck for connecting the valve casing and reservoir together. The upper end of the neck is constricted whereby a shoulder 6 is formed, upon which the annular shoulder 7 of the reservoir is received.

A valve 8 is mounted upon the neck 4, and consists of a top 9 and an annular wall 10 which is provided with slots or openings 11. The top 9 is supported upon the top of the neck 4 and the wall 10 is received around the neck. The neck forms a closure for the openings 11 in the wall of valve and the top 9 closes the upper end of the valve casing and prevents the ingress of water. A rod 12 has screw-threaded engagement with the top 9 of the valve 8 whereby the valve can

be adjusted on the rod to regulate the distance of movement of the valve for controlling the supply of water admitted through the openings in the wall of the valve. The rod 12 is pivotally connected to the stem 13 of the float 14. The stem 13 is pivotally mounted on the valve casing and passes therethrough, that is it passes through the wall into the interior of the casing. A water supply pipe 15 is connected to the reservoir 5. When the water in the tank A is discharged by any suitable method, the float 14 will fall causing the rod 12 to move upward lifting the valve 8 and bringing the openings 11 in the valve above the top of the neck 4, allowing the water in the reservoir 5 to enter the valve casing, and from which it is discharged through the slots 2 into the tank A.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

The combination with a cistern and a slotted stand-pipe erected on the bottom thereof and extending to the top, said stand-pipe provided at the upper end with a neck, the lower portion of which is externally screw-threaded and the upper portion of smaller diameter than the screw-threaded portion, of a valve fitted to the upper end of the neck and having slots therein, a rod extending down through the stand-pipe and to which this valve is screwed, a stem pivotally mounted on the stand pipe and pivotally connected with the lower end of this rod, and having a float on its outer end adapted to rest upon the surface of the water in the cistern, a reservoir screwed to the threaded portion of the neck and provided with an annular shoulder between which and the threaded portion of the neck a packing is held, and a water supply pipe leading into the reservoir.

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

ALFRED JOHNSON ASHFORD.

Witnesses:

T. W. HEATH,
W. B. HARVEY.