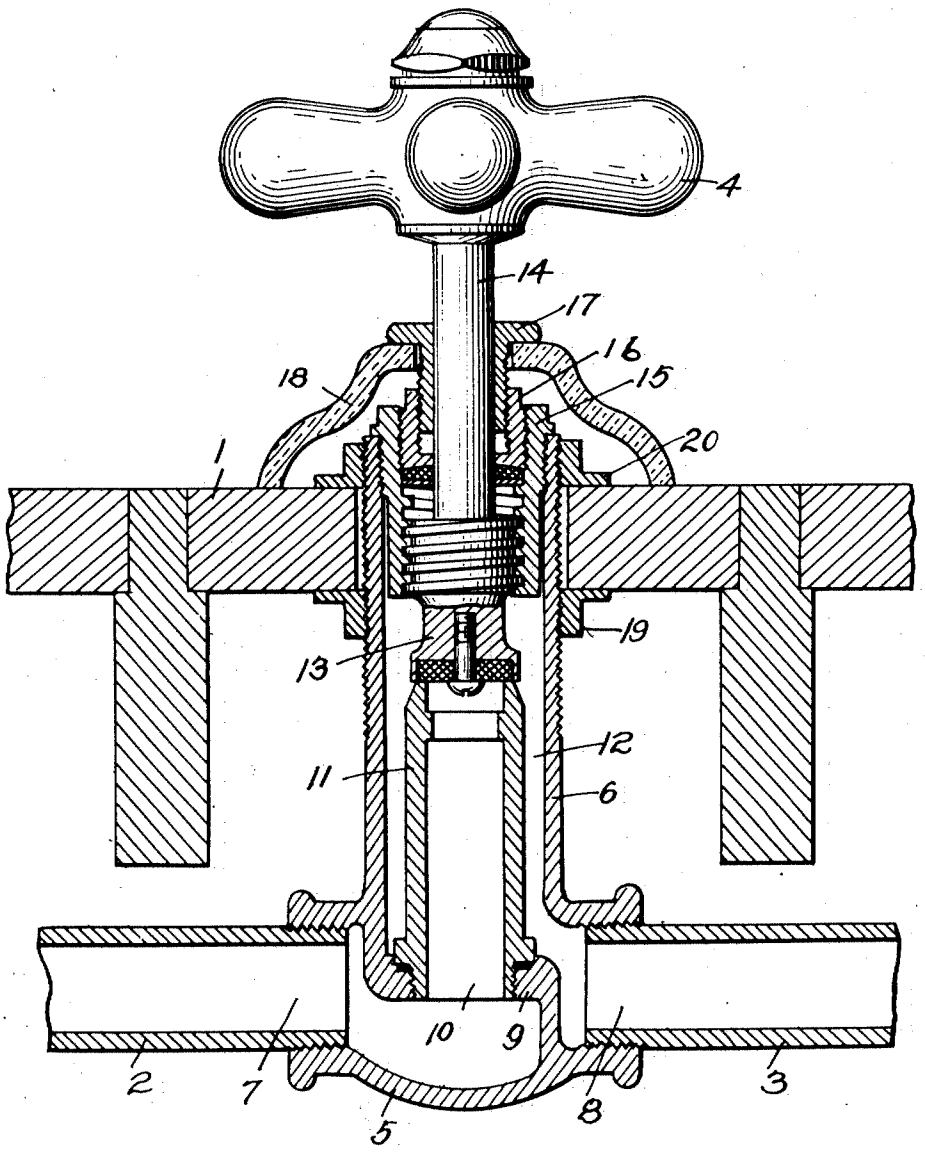
H. N. GILLETTE.

VALVE.

APPLICATION FILED MAY 28, 1919.

1,315,828.

Patented Sept. 9, 1919.



WITNESSES

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UNITED STATES PATENT OFFICE.

HALLOCK N. GILLETTE, OF WILKINSBURG, PENNSYLVANIA, ASSIGNOR TO STANDARD SANITARY MANUFACTURING COMPANY, OF PITTSBURGH, PENNSYLVANIA, A CORPORATION OF NEW JERSEY.

VALVE.

1,315,828. Specification of Letters Patent. Patented Sept. 9, 1919.

Application filed May 28, 1919. Serial No. 300,348.

To all whom it may concern:

Be it known that I, HALLOCK N. GILLETTE, residing at Wilkinsburg, in the county of Allegheny and State of Pennsylvania, a citizen of the United States, have invented or discovered certain new and useful Improvements in Valves, of which improvements the following is a specification.

My invention relates to valves of the sort used in sanitary installations of baths, lavatories, etc., wherein a wall or partition separates the valve operating member from a supply pipe through which flow is controlled by the valve.

The object of my invention is to provide for such installations a valve structure which may be easily and economically manufactured, and in which all the parts of the valve except the valve casing may be of uniform size regardless of the thickness of the wall or partition between the valve operating member and the supply pipe.

The accompanying drawing illustrates in central sectional view the preferred embodiment of my invention, the valve being shown as attached to a wall 1, on one side of which is the supply pipe 2, 3, and on the other side the valve operating member 4.

In the valve structure which I provide the valve casing consists of a main body portion 5 and a lateral tubular extension 6. The main body portion is provided with inlet and outlet openings 7 and 8 which communicate, respectively with the supply pipe sections 2 and 3, and is further provided with a transverse partition 9 having an opening 10 through it which opening preferably lies in a plane transverse to the longitudinal axis of the extension 6. Within the casing and forming part thereof, a tube 11 is attached to the transverse partition 9 and projects within the tubular extension of the casing forming therewith a chamber 12 which communicates with the outlet opening 8. The tube 11 is provided at one end with a valve seat and the connection of its other end to the partition 9 is preferably by means of screw threads. As indicated, the tube is preferably concentric with the casing extension and the chamber 12 is accordingly annular in cross-section.

The valve, valve operating member and the means for attaching the entire structure to a wall may be of any desired types of construction. In the illustrative embodiment of my invention a disk valve 13 is attached to the end of a rotatable stem 14, to the outer end of which the valve operating member 4 is secured. The stem 14 has screw-thread engagement with a sleeve 15, which in turn has screw-thread engagement with the outer end of the tubular casing extension 6. A suitable packing nut 16 is provided to prevent leakage, and a canopy 18, held in position by a nut 17, obscures the outer end of the structure from view. The attachment of the valve structure to a wall or partition may be by means of a pair of clamping nuts 19 and 20 which bear upon the opposite sides of the wall and have screw thread engagement with the exterior of the tubular extension 6.

In manufacturing the valve the length of the tubular extension 6 of the casing and the length of the tube 11 are varied according to the distance between the supply line 2, 3 and the outer face of the wall or partition 1, while the other parts of the structure are of the same size, or in other words, standard for all valves. The casting of the valve casing is facilitated by reason of the transverse partition 9 being formed in the main body of the casing.

According to the provisions of the patent statutes, I have described the principle and operation of my invention together with the structure which I now consider to represent the best embodiment thereof. However, I desire to have it understood that, within the scope of the appended claims, my invention may be practised by other forms of construction than that specifically shown and described.

I claim as my invention:

1. In a valve structure, the combination of a casing comprising a main body portion provided with inlet and outlet openings and a lateral tubular extension, said main body being provided with a transverse partition having an opening through it, a tube attached at one end to said partition at the opening thereof and provided at its other end with a valve seat, said tube projecting within said tubular casing extension and forming therewith a chamber communicating with said outlet of the casing, the interior of said tube communicating with said inlet of the casing, a valve coöperating with

said valve seat to control flow through said tube, and means engaging said tubular casing extension for attaching the valve structure to a support.

2. In a valve structure, the combination of a casing comprising a main body portion provided with inlet and outlet openings and a lateral tubular extension, said main body being provided with a transverse partition having an interiorly threaded opening through it, a tube having screw thread engagement at one end with said partition and provided at its other end with a valve seat, said tube projecting concentrically within said tubular casing extension and forming therewith an annular chamber communicating with said outlet of the casing, a valve movable longitudinally of said tubular extension and coöperating with said valve seat to control flow through said tube, and means engaging said tubular casing extension for attaching the valve structure to a support.

In testimony whereof I have hereunto set my hand.

HALLOCK N. GILLETTE.

Witnesses:

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