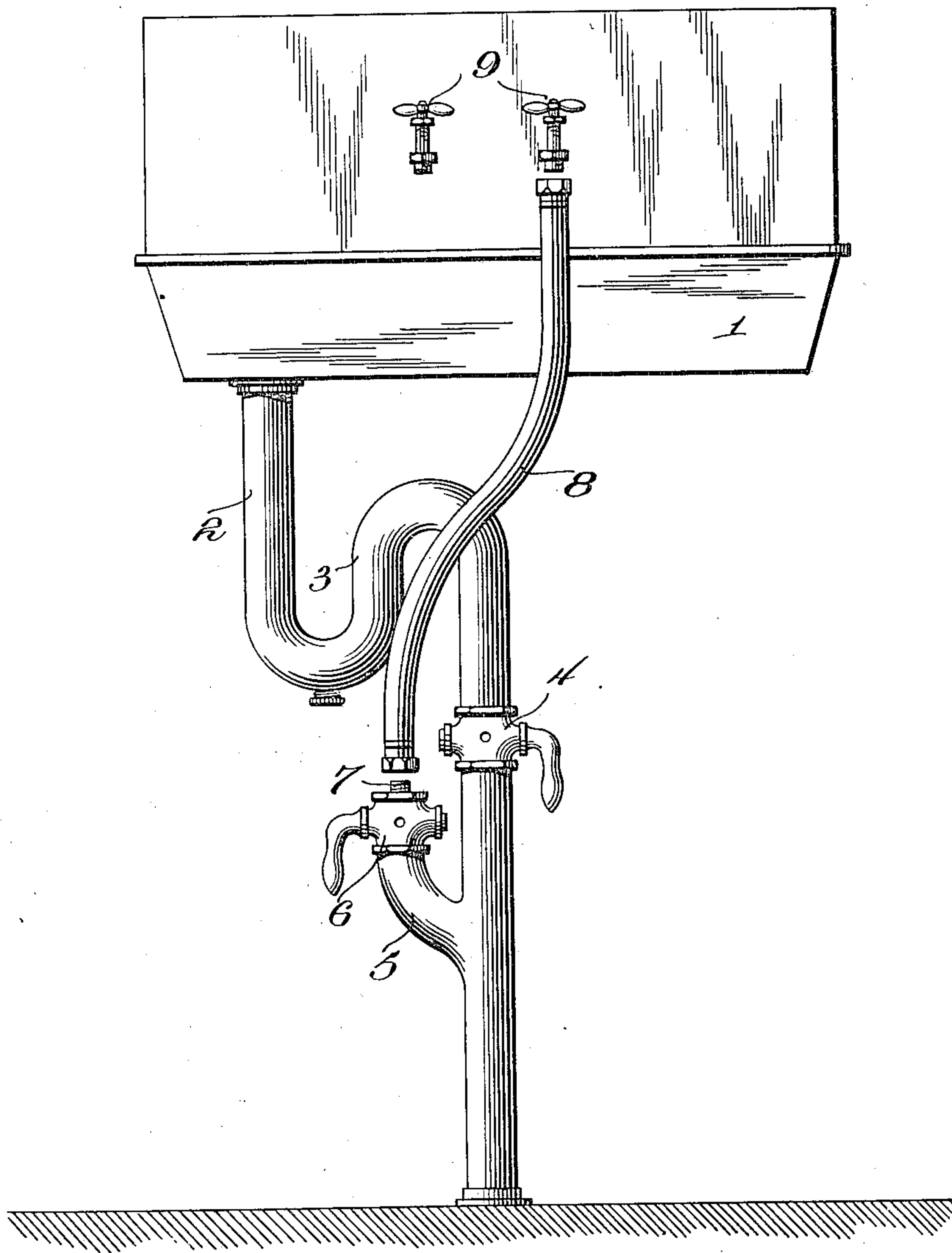


No. 831,722.

PATENTED SEPT. 25, 1906.

H. J. HOLMES.
FLUSHING ATTACHMENT FOR SINKS.
APPLICATION FILED JUNE 20, 1905.



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Witnesses

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HENRY J. HOLMES, OF WESTFIELD, NEW JERSEY.

FLUSHING ATTACHMENT FOR SINKS.

No. 831,722.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed June 20, 1905. Serial No. 266,093.

To all whom it may concern:

Be it known that I, HENRY J. HOLMES, a citizen of the United States, residing at Westfield, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Flushing Attachments for Sinks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to flushing attachments for sinks; and its object is to provide means whereby water can be directed into the outlet-pipe of the sink at a point below the trap, so as to thoroughly cleanse said pipe and prevent clogging.

A further object is to provide means whereby in the event of the pipe freezing hot water can be directed thereinto.

With the above and other objects in view the invention consists of a branch pipe located upon the ordinary outlet-pipe at a point between the trap and the sewer, and this branch pipe has a valve-inlet opening which is normally closed. A hose or other like tubular device is adapted to be connected to the inlet end of the branch pipe and to be secured to either the hot or cold water faucet located adjacent the outlet-pipe. After the pipe has been connected to the faucet and to the branch pipe the valve in said branch pipe can be opened and water directed into the outlet-pipe at a point below the trap.

The invention also consists in further novel construction and combination of parts, hereinafter more fully described and claimed.

In the accompanying drawing I have shown the preferred form of my invention. Said drawing illustrates a sink provided with my improved attachment and showing a hose in position between a faucet and the branch of the outlet-pipe and ready to be secured to both.

Referring to the drawing by numerals of reference, 1 is a sink having an outlet-pipe 2, provided with a trap 3 of the usual construction, and this outlet-pipe has a valve 4, whereby communication between the sink and sewer may be cut off during the operation of flushing the pipe. A branch pipe 5 extends from the outlet-pipe at a point below the valve 4 and has a valve 6 near its end, which normally closes said branch pipe. A screw-threaded extension 7 is located upon the end of pipe 5 and is adapted to be engaged by

one end of a hose 8. The other end of the hose may be secured to either one of a pair of faucets 9, disposed above the sink. It will be noticed that the branch pipe 5 extends upward from the outlet-pipe at an acute angle, so that water entering the outlet-pipe through said branch pipe will not be hindered thereby, but the full force thereof will be directed into the outlet-pipe at a point below the trap.

It will be understood that valve 4 is normally open, while valve 6 is normally closed. Water will therefore pass from the sink through the outlet-pipe 2 and trap 3 into the sewer. If it is desired to clean the pipe, the hose 8 is connected to one of the faucets 9 and then to the threaded extension 7. Valve 6 is then opened and the faucet 9 turned on through the hose 8 into the pipes 5 and 2. In order to prevent the water from backing into the sink through the trap 3, the valve 4 is turned so as to cut off communication. Hose 8 can be connected to the cold-water faucet for ordinary flushing purposes; but if the pipe is frozen it is best to connect the hose to the hot-water faucet. When the flushing attachment is not in use, the hose 8 can be removed, and the ordinary uses of the sink will not be interfered with.

The valve 6 serves to effectually prevent the escape of any noxious gases from the pipe 5, and as the outlet-pipe can be thoroughly cleansed whenever desired the same is rendered more lasting and will not become clogged.

While I have shown and described the attachment as used in connection with sinks, it will be understood that it can be employed wherever traps are utilized.

It is deemed important that the hose 8 be connected with the waste-pipe at a point below the valve 4, so that all sediment and grit from the sink be discharged into the outlet-pipe at a point below said valve, so that all liability of injury to the valve be avoided.

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

1. The combination with a water-receptacle and a faucet for supplying water thereto; of a trap extending from the receptacle, an outlet-pipe constituting a continuation of the trap, a valve disposed within the outlet-pipe and below the trap for closing communication between the trap and outlet-pipe, a branch pipe disposed at an acute angle to and

extending upward from the outlet-pipe and below the trap and below said valve, a screw-threaded extension upon the end of the branch pipe, a valve at the upper end of said
5 branch pipe below the valve in the outlet-pipe for closing communication between the extension and the branch pipe, a flexible tube, and means upon the ends of the tube for detachably engaging the threaded extension and the faucet, respectively.
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2. The combination with a water-receptacle and a faucet for supplying water thereto, of an outlet-pipe from said receptacle provided with a trap and with a downward extension from said trap, a valve in said downward extension beyond the trap, a branch
15 extending laterally and upward from said extension below the valve therein and con-

structed to direct the water into the outlet-pipe at an acute angle with full force unimpeded, a valve at the upper end of said branch below the valve in the outlet-pipe for normally closing the same, a screw-threaded extension on the upper end of said branch above the valve, and a flexible tube having means
25 at opposite ends for detachably engaging said threaded extension and faucet respectively for conveying the water from the faucet into the outlet-pipe below its valve.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY J. HOLMES.

Witnesses:

RICHARD ROCHFORD,
HARRY B. UDREL.