O. E. TOWNSEND.

WASTE PIPE CLEANER.

APPLICATION FILED MAY 7, 1915.

1,164,892. Patented Dec. 21, 1915.

Fig. 1.

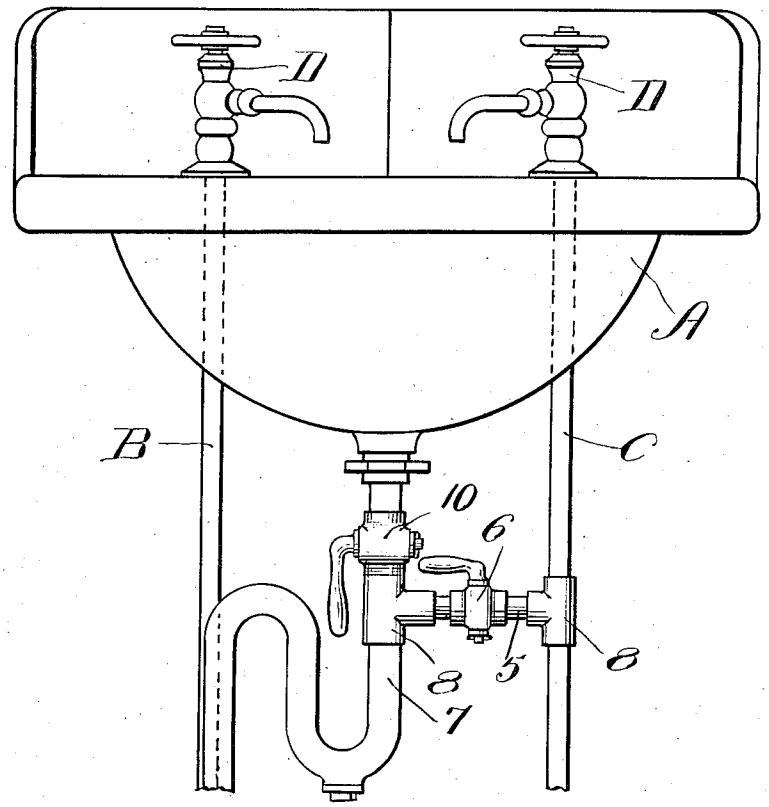
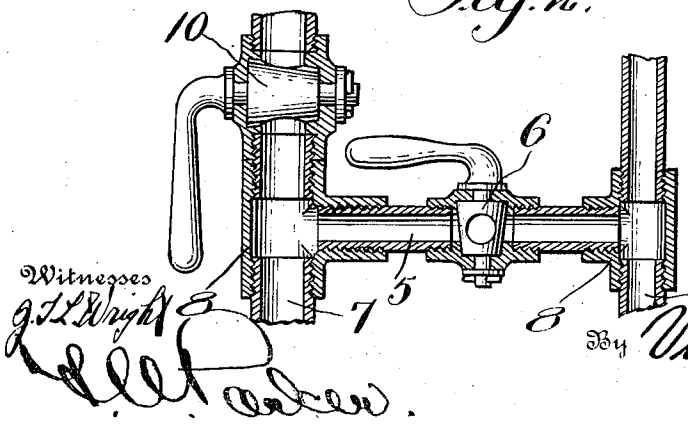


Fig. 2.



Witnesses

G. L. Wright

Inventor

Ore E. Townsend

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

ORE E. TOWNSEND, OF PULASKI, IOWA.

WASTE-PIPE CLEANER.

1,164,892. Specification of Letters Patent. Patented Dec. 21, 1915.

Application filed May 7, 1915. Serial No. 26,562.

To all whom it may concern:

Be it known that I, ORE E. TOWNSEND, a citizen of the United States, residing at Pulaski, in the county of Davis and State of Iowa, have invented new and useful Improvements in Waste-Pipe Cleaners, of which the following is a specification.

The invention relates to a waste pipe cleaner, and has for its primary object to provide a device of this character wherein connection is had between the water supply pipe and the said waste pipe so that the water under pressure from the supply pipe can be let into the waste pipe for the cleaning of the same, thereby avoiding the necessity of the removal of the pipe should the same become clogged or choked from sediment or other foreign matter.

Another object of the invention is the provision of a device of this character which is extremely simple in construction, readily and easily applied to both the waste and water supply pipes of a wash basin or other bathroom equipment, also one which is thoroughly reliable and efficient in its purpose, and inexpensive in manufacture and installation.

With these and other objects in view the invention consists in the construction, combination and arrangement of parts as will be hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claim hereunto appended.

In the drawing:—Figure 1 is an elevation of a wash basin showing the waste pipe cleaning device constructed in accordance with the invention applied to the waste and cold water supply pipes. Fig. 2 is an enlarged fragmentary vertical longitudinal sectional view.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates a wash basin of the ordinary well-known construction, B the hot water supply pipe, C the cold water supply pipe, and D the faucets connected with the said hot and cold water pipes for the discharge of the water therefrom into the basin.

The waste pipe cleaning device comprises a short length pipe 5 formed with a plug cut-off valve 6 arranged therein, and this pipe has communication with the waste pipe 7 which carries off the water from the basin A in the usual manner, and also has connection with the hot water supply pipe C through the medium of T-unions 8 coupled with the said pipes in the usual manner.

In the union 8 above the point of communication of the pipe 5 with the said pipes 7 is arranged a cut-off valve 10 which is hand operable so that on the closing of the valve the waste pipe will be shut off from the basin A.

When the valve 10 is closed the plug valve 6 is opened so that the water under pressure from the pipe C will flow directly therefrom through the pipe 5 into the waste pipe 7 for the thorough cleaning thereof, and thereafter the valve 6 is closed and the valve 10 is opened so that the basin may be used in the ordinary well-known manner.

From the foregoing description, taken in connection with the accompanying drawing, the construction and manner of operation of the device will be clearly understood, and therefore a more extended explanation has been omitted.

What is claimed is:—

The combination with a waste pipe and a water supply pipe, of a pipe connecting the waste and water supply pipes, a cut-off valve arranged in the last-named pipe, and means for closing the said waste and water supply pipes above the point of communication of the said last-named pipe therewith.

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

ORE E. TOWNSEND.

Witnesses:
L. L. PITTMAN,
C. W. RAMSEYER.