

Nov. 1, 1927.

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1,647,804

FAUCET CONNECTION FOR DRAIN FLUSHERS

Filed May 12, 1925

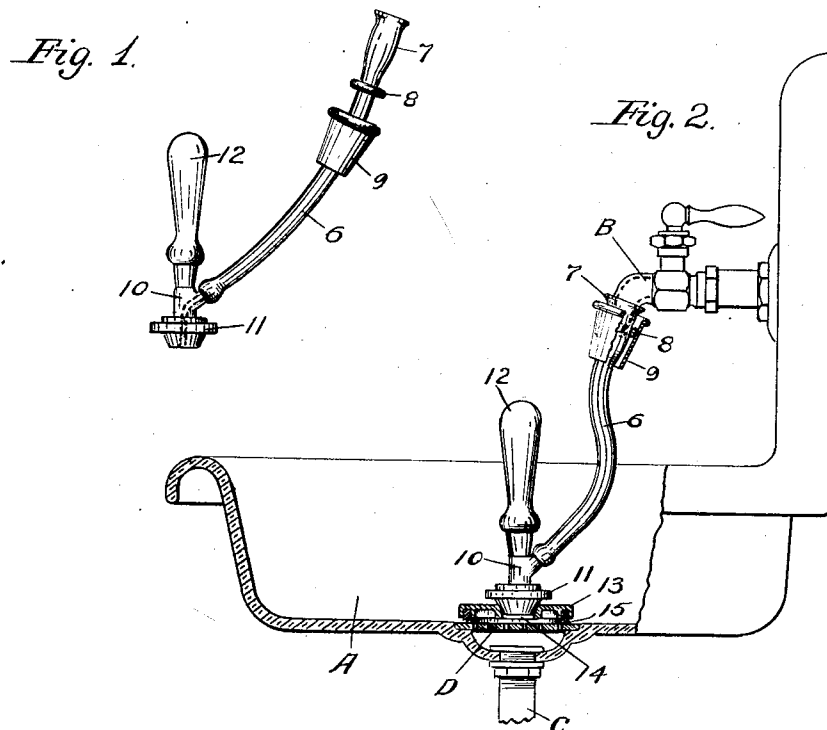


Fig. 3.



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Patented Nov. 1, 1927.

1,647,804

UNITED STATES PATENT OFFICE.

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FAUCET CONNECTION FOR DRAIN FLUSHERS.

Application filed May 12, 1925. Serial No. 29,848.

This invention relates to connections for devices for cleaning and flushing drain pipes of sinks, bathtubs, and the like, and the primary object is to provide detachable means of a novel, practical and efficient nature for circuitously connecting the water faucet of the receptacle directly with the drain pipe, whereby the water from the faucet may under its customary pressure be directed and forced into the drain pipe so as to thoroughly clean and flush the same. Further and more specific objects will be disclosed in the course of the following specification, reference being had to the accompanying drawings, wherein:

Figure 1 is an elevation of a flushing device embodying my improved faucet connection as seen before being attached for use.

Figure 2 is a partly cross sectional elevation of a sink showing the device embodying my invention as in its operative position.

Figure 3 is a detail view showing a modification of the fastening member by which the flushing device is secured to the faucet.

Referring to the drawing more particularly and by reference characters A, designates a common and well known type of sink, having a faucet B, a drain pipe C and a strainer plate D.

The flushing device proper consists of a flexible tubular member 6, the upper end of which is enlarged as at 7, so that it may be pushed up onto the faucet as shown in Figure 2. To tightly fasten this tube portion 7 upon the faucet, I employ a ring 8, which is made of rubber or other suitable material, and a frustoconical or tapered metallic cylinder 9. Thus, after the end of the tube has been pushed up on the faucet, the member 9 is moved up so that it will engage the ring 8 and force it, by a rolling motion, over the tube portion 7. And as the lower end of the member 9 is smaller than its upper end, it will be readily understood that when it is forced up into place, as shown in Figure 2, it will cause the ring 8 to effect a very powerful squeezing or clamping effect upon the tube, with a result that the tube cannot be disengaged from the faucet until the member 9 has been lowered to release the ring 8. In Figure 5 is shown a modification 9^a of the member 9 which is in the form of an elbow, which renders the

device more adaptable under certain conditions.

The lower end of the tube 6 is permanently connected with a hollow connecting member 10, which is provided with a valve like seat 11, which is preferably made of rubber. The member 10 is also provided with a suitable handle 12 by which the seat member 11 can be held down tightly and securely in place during the flushing operation.

Under certain circumstances, i. e., when no strainer plate is employed, the member 11 may be joined directly with the drain pipe connection. But with the kitchen type of sink, as shown in Figure 2, as the strainer plate D will not permit of such a connection, I provide an auxiliary plate 13, the same having a central opening 14, for tightly receiving the member 11, and a rubber ring 15 for sealing the plate down against the sink.

The water passageway through the device or at least the water discharging end is preferably smaller than the outlet end of the faucet so as to greatly increase the velocity and flushing effect of the water as it is forced down into the drain pipe.

It will be understood that where the sink is provided with two faucets the device may be connected with either, but obviously the best results will be obtained by connecting it with a hot water faucet, if possible. It is further understood that various modifications may be made in the general design and structural details of the invention as herein illustrated and described, providing, however, that such modifications come within the spirit and scope of the appended claim. Having now, therefore, fully shown and described my invention, what I claim to be new and desire to protect by Letters Patent is:—

A device of the character described comprising a tubular member, a ring adapted to be moved longitudinally on the upper end of the tubular member, and a substantially trunco-conically shaped clamping member slidably arranged on the tubular member for clamping engagement with the ring, said ring being circular in cross section whereby it may readily be rolled upwardly on the tubular member by the clamping member.

In testimony whereof I affix my signature.

JOHN H. LANEY.