March 6, 1928. 1,661,704

J. A. OSBORNE

WATER SILENCER

Filed May 25, 1927

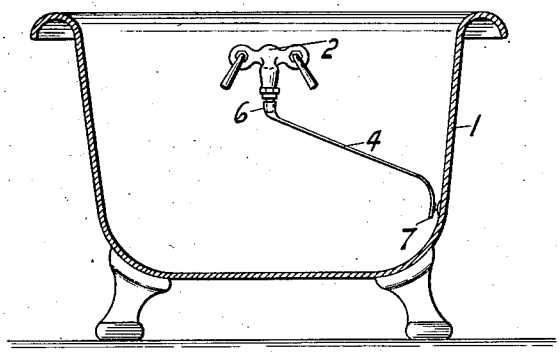


FIG.-1.

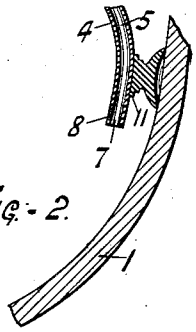


FIG.-2.

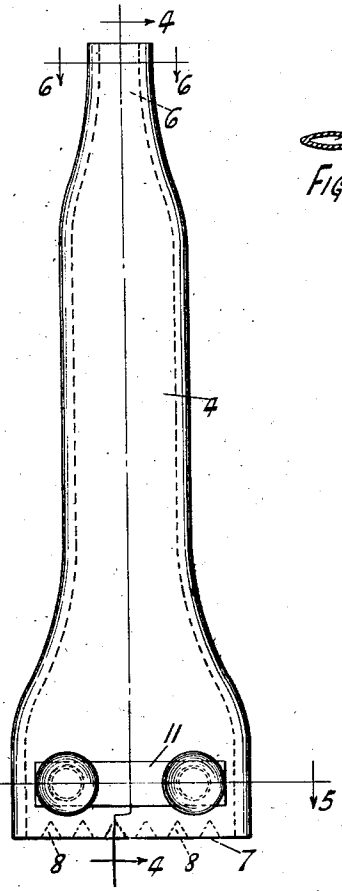


FIG.-3.



FIG.-6.

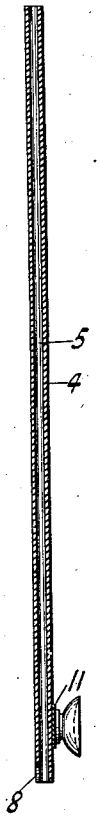


FIG.-4.

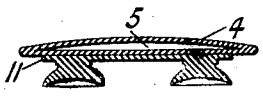


FIG.-5.

INVENTOR.
JESSE A. OSBORNE.

BY Ely & Barrow

ATTORNEYS.

Patented Mar. 6, 1928. 1,661,704

UNITED STATES PATENT OFFICE.

JESSE A. OSBORNE, OF AKRON, OHIO.

WATER SILENCER.

Application filed May 25, 1927. Serial No. 194,025.

It is the object of the present invention to devise a simple and inexpensive attachment for a bathtub whereby the objectionable noise occasioned by the running of the water in the tub may be avoided. This invention is particularly useful where one desires to fill a tub with water without having the noise disturb others within the house or apartment. The device is intended to be attached to the faucet and may be detached therefrom easily and without fittings or attachments.

The invention will be understood from the drawings and description, but is not necessarily limited to exact conformity therewith, changes and modifications being permitted within the scope of the invention and the claims.

In the drawings:

Figure 1 is a sectional view of a bathtub with my silencer in position;

Figure 2 is an enlarged detail view at the discharge opening of the device;

Figure 3 is a side view of the device removed from the faucet;

Figure 4 is a section on the line 4—4 of Figure 3;

Figure 5 is a section on the line 5—5 of Figure 3; and

Figure 6 is a section on the line 6—6 of Figure 3.

In the drawings, a bathtub is indicated at 1, having a faucet 2 therein which is of the single discharge or mixer type. When separate hot and cold faucets are used, the silencer will be duplicated.

The silencer comprises a rubber tube 4 which is here shown as substantially elliptical in cross-section and provided with a central passageway 5 and a restricted opening 6 at its upper end to be slipped over and be retained by contraction of the tube about the faucet. The silencer flares or is enlarged toward its lower end and the discharge point is indicated at 7. At this point the device is flattened, being provided on its front side with a plurality of notches 8 to break up the stream of water. On the rear side of the attachment is secured a device for attaching the silencer to the side of the bathtub so that the flow of water is directed along the curved base of the tub.

This attaching means, in the present form of the invention, comprises a pair of suction cups which are formed upon a strip 11 attached to the lower end of the device near its discharge point. Two of these suction cups are shown, for the sake of convenience, as one or more than two may be used if found advisable.

In attaching the device, the upper end 6 of the silencer is stretched over the discharge point of the faucet and the lower end of the silencer attached to the wall of the bathtub by pressing the suction cups against the side of the tub. This will support the discharge end of the silencer in position so that the water is delivered silently.

While the device is conveniently and preferably made of rubber throughout, other materials may be substituted. Changes in form or proportions may also be restored to within the scope of the invention. The device may be used in sinks, basins, washtubs or the like.

What is claimed is:

1. In a device of the character described, a flexible tube having one end restricted and adapted to be passed over a faucet, the opposite end of the tube being formed with a discharge opening adapted to break up the stream of water flowing through the tube, and an attaching device on the side of the tube near its discharge point by which it may be attached to the wall of the receptacle.

2. In a device of the character described, a flexible tube having one end adapted to be passed over a faucet and secured in place thereon, and an attaching device at the other end of the tube by which it may be attached to a vertical surface.

3. In a device for silencing water flowing into tubs or the like having an elevated faucet, a tube having a restricted end adapted to be passed over the faucet and a discharge opening adapted to deliver water near the bottom of the tub, and attaching means to hold the lower end of the tube to the side of the tub.

4. In a device for silencing water flowing into tubs or the like having an elevated faucet, a tube having a restricted end adapted to be passed over the faucet and a discharge

opening adapted to deliver water near the bottom of the tub, and a suction cup carried by the lower end of the tube and adapted to hold it adjacent the tub.

5. In a device for silencing water flowing into tubs or the like having an elevated faucet, a rubber tube having a restricted end to be forced over the faucet and a discharge opening at its lower end, and a rubber suction cup secured to the exterior of the tube and adapted to hold the discharge end thereof adjacent a surface of the tub.

JESSE A. OSBORNE.