

E. CIRCLE.
SHOWER BATH NOZZLE.
APPLICATION FILED FEB. 25, 1921.

1,401,462.

Patented Dec. 27, 1921.

Fig. 1.

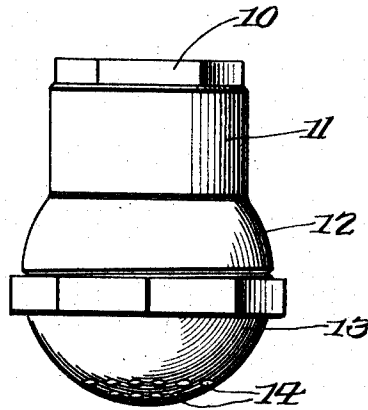


Fig. 2.

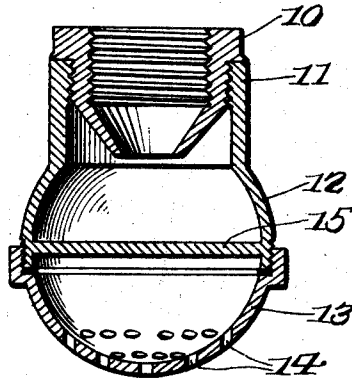
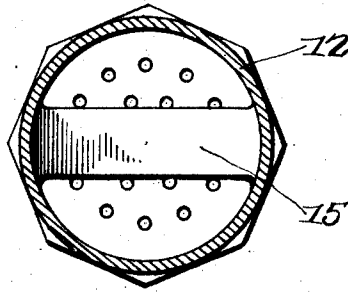


Fig. 3.



Witness

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EVERETT CIRCLE, OF COALTON, OKLAHOMA.

SHOWER-BATH NOZZLE.

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To all whom it may concern:

Be it known that I, EVERETT CIRCLE, a citizen of the United States, residing at Coalton, in the county of Okmulgee, State of Oklahoma, have invented certain new and useful Improvements in Shower-Bath Nozzles; 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.

This invention relates to new and useful improvements in spraying devices and particularly to spraying devices used in baths. The principal object of the invention is to provide a spray device in which the full force of the water will be retarded or checked before it reaches the discharge perforations of the device, thus producing an even pressure on the water spray.

Another object is to provide a device of this character which can be quickly and easily taken apart for cleaning and repairs, without the necessity of completely detaching the entire device from the faucet or water pipe.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is an elevation of the improved spray device.

Fig. 2 is a vertical sectional view taken on a line centrally through the device.

Fig. 3 is a horizontal sectional view through the device, above the baffle, on the line 3—3 of Fig. 2.

Referring particularly to the accompanying drawing, 10 represents a tapered nozzle which is internally threaded at its larger end for engagement on a plumbing fitting, such as the threaded nipple of a faucet. This nozzle is also externally threaded to receive thereon the sleeve 11, said sleeve completely surrounding the said nozzle, as clearly seen in the drawing. The lower portion of the sleeve 11 is flared outwardly into hemispherical shape, as shown at 12, with its lower end externally threaded to receive thereon the lower hemispherical cap 13, said

cap being provided with the group of perforations 14 through which the water is adapted to issue to form a spray.

Formed integrally with the lower portion of the portion 12, and extending transversely thereacross, is a flat bar 15, which forms a baffle, against which the water, which issues from the mouth of the nozzle 10, strikes and is thereby checked in its flow toward the perforations 14. It will be noted that the bar or baffle 15 is disposed centrally of the device, and immediately beneath the center of the mouth of the nozzle, whereby the water cannot flow directly to the perforations, but is stopped and deflected toward the sides, where it falls more gently toward the perforations. Thus the pressure of the water issuing from the perforations will be more even and uniform.

By reason of the fact that the portion 13 may be unscrewed and removed from the lower end of the portion 12, permits ready access to the interior of the device without the necessity of removing the entire device from the faucet.

What is claimed is:

1. A spray device including a nozzle, a casing detachable connected with and inclosing the nozzle, said casing having spray perforations in line with the discharge end of the nozzle, and a transverse bar of a width equal to the width of the discharge end of the nozzle disposed in the casing intermediate the nozzle and the spray perforations to prevent discharge of the water directly from the nozzle to the perforations.

2. A spray device including a casing having perforations in its lower end and a nozzle within its upper end in position to discharge water to said perforations, and a transverse bar formed integrally with the casing and being of a width equal to the width of the mouth of the nozzle and located between the nozzle and perforations to deflect the water laterally.

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

EVERETT CIRCLE.

Witnesses:

HOMER HINES,
ED A. RICHARD.