

J. J. LAWLER.

BATH SPRAY.

APPLICATION FILED DEC. 26, 1908.

969,292.

Patented Sept. 6, 1910.

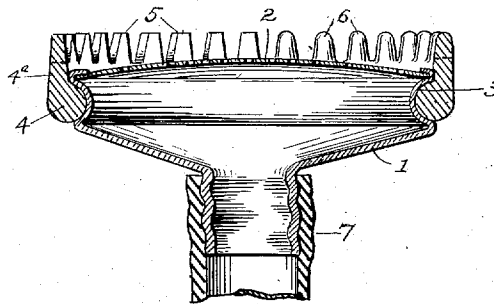


Fig. 1.

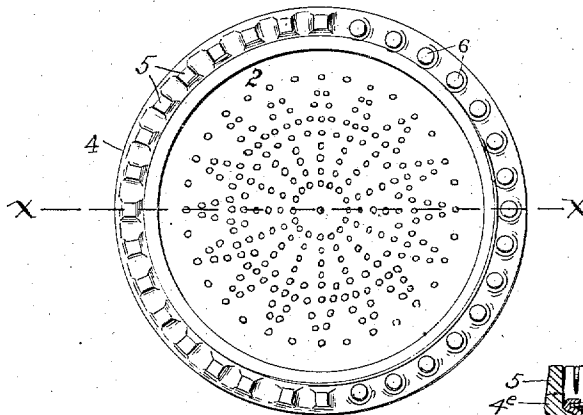


Fig. 2.

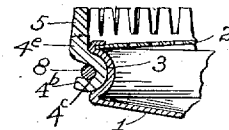


Fig. 3.

WITNESSES

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JAMES J. LAWLER, OF MOUNT VERNON, NEW YORK.

BATH-SPRAY.

969,292.

Specification of Letters Patent.

Patented Sept. 6, 1910.

Application filed December 26, 1908. Serial No. 469,384.

To all whom it may concern:

Be it known that I, JAMES J. LAWLER, a citizen of the United States, and resident of Mount Vernon, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Bath-Sprays, of which the following is a specification.

My invention relates to an improvement in bath sprays, the object being to provide an annular flexible ring with teeth or serrations which can be adjustably placed on a "rose head" so called for the purpose of converting it into a spraying brush without altering said head.

My invention is fully shown in the accompanying drawing in which—

Figure 1 is a central sectional view of an ordinary "rose head" to which my improved ring has been applied. Fig. 2 is a plan view of Fig. 1—two styles of preferred teeth being shown in each of the two views, and Fig. 3 is a modification of the holding means.

Similar reference numbers indicate like parts.

The rose head is of ordinary construction, the body 1—being spun or stamped of light metal; immediately below the perforated disk 2 an annular groove 3 is provided for the retention of a flexible brush constituting a support and which also acts as a cushion or bumper.

My invention refers particularly to this flexible brush element which consists as shown in Fig. 1 of a slight annular resilient body-portion 4 of a contour as to fit the annular groove 3 and which is provided with a vertically-disposed annular flange 4^a circumferentially-extending around and engaging as well as projecting above that portion of the body 1 which engages the edge of the perforated disk 2. The upper portion of the flange 4^a is notched or serrated to provide a circumferentially-extending series of teeth which may be squared in cross-section as indicated at 5 or round in cross-section as shown at 6. The inner end of each of the teeth is arranged in a plane above the plane of the disk 2 and the teeth are arranged in parallelism with respect to each other. As the brush element is resilient, it can be conveniently placed in position, that is to say,

the body-portion 4 can be readily mounted in the groove 3 and furthermore owing to the fact that the body-portion and flange are integral and formed of resilient or elastic material, they can be readily molded.

The reference character 7 denotes a hose or tubing for conducting water to the body 1.

In the modification shown in Fig. 3, the body-portion of the brush element is indicated by the reference character 4^b and is semi-cylindrical in cross-section whereby the periphery of the body-portion 4^b is formed with a groove 4^c. The body-portion 4^b is seated in the groove 3 and retained in position by a split metallic ring 8 which is mounted in the groove 4^c. Formed integral with the body-portion 4^b is a vertically disposed annular flange 4^e which is circumferentially-disposed as well as engaging the edge of that portion of the body 1 which overlaps the disk 2. The flange 4^e is notched or serrated to provide a circumferentially-extending series of teeth 5^a, each of which has its inner end terminating above the plane of the disk 2. The brush element shown in Fig. 3 is resilient and conveniently attached to the body 1.

From the foregoing description, the operation will be understood, which is as follows:—When the tubing is connected with a water supply, the water will issue in small jets through the perforated disk, and when desired to brush the surface of the skin, the teeth extending above the head are used for this purpose, the water escaping between the teeth or points. A bather may have his own rubber brush ring, and by slipping it on the head, and removing the ring after he is through its use for his personal purpose is insured.

Such being my invention what I claim is.

The combination with a nose-head having a peripheral annular groove and a perforated face plate arranged above the plane of said groove, of a brush element consisting of a body-portion in the form of a ring and removably mounted in said groove, said body-portion snugly engaging the wall of said groove and having its outer side provided with a vertically-disposed annular flange extending circumferentially with re-

spect to the outer edge of the head above the groove, said flange having the upper portion thereof provided with a circumferentially-extending series of teeth arranged
5 entirely in a plane above the plane in which the face plate extends.
Signed at New York city in the county of

New York and State of New York this 22d day of December A. D. 1908.

JAMES J. LAWLER.

Witnesses:

GEORGE H. CLARK,
EDGAR H. GREENBAUM.

Correction in Letters Patent No. 969,292.

It is hereby certified that in Letters Patent No. 969,292, granted September 6, 1910, upon the application of James J. Lawler, of Mount Vernon, New York, for an improvement in "Bath-Sprays," an error appears in the printed specification requiring correction as follows: Page 1, line 95, for the compound word "nose-head" read *rose-head*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 11th day of October, A. D., 1910.

[SEAL.]

E. B. MOORE,

Commissioner of Patents.

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