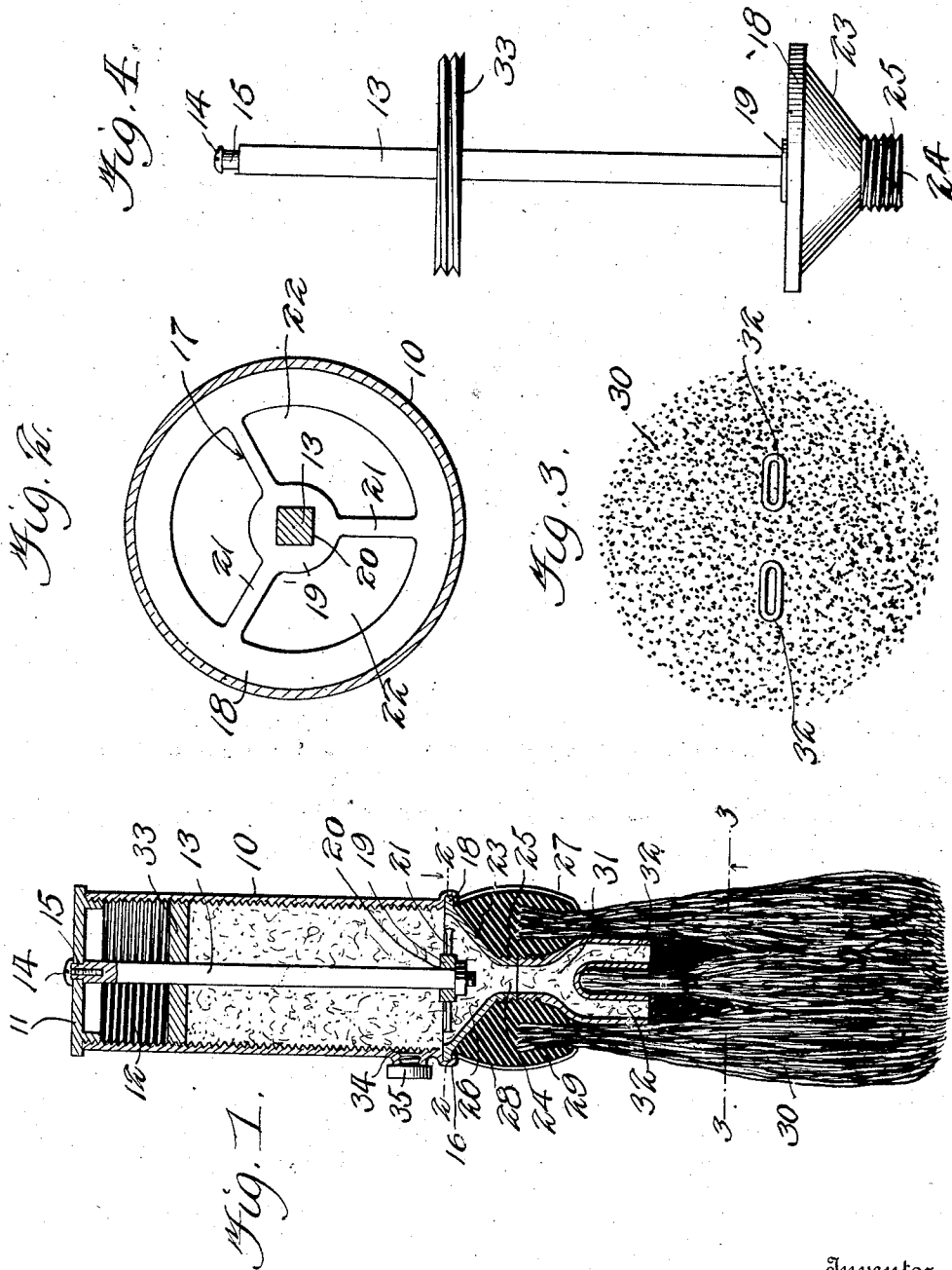


S. K. AVERY.
 SHAVING BRUSH.
 APPLICATION FILED SEPT. 23, 1911.

1,047,878.

Patented Dec. 17, 1912.



Witnesses

Hugh Hott
W. A. Foster

Inventor

Samuel K. Avery

By *Victor J. Evans*

Attorney

UNITED STATES PATENT OFFICE.

SAMUEL K. AVERY, OF GOODLAND, INDIANA.

SHAVING-BRUSH.

1,047,878.

Specification of Letters Patent. Patented Dec. 17, 1912.

Application filed September 23, 1911. Serial No. 650,934.

To all whom it may concern:

Be it known that I, SAMUEL K. AVERY, citizen of the United States, residing at Goodland, in the county of Newton and State of Indiana, have invented new and useful Improvements in Shaving-Brushes, of which the following is a specification.

This invention relates to shaving brushes and has for an object to provide a soap-containing brush and in which the soap is forced in the bristles of the brush when it is desired to use the same.

Among other features the invention embodies a cylindrical container for containing soap and adapted to constitute a handle, a brush body for connection with said container and provided with bristles, a conduit in the brush body adapted to receive there-through soap from the said container when the container is operated to force the soap in the bristles of the brush, and a compressing plate threadedly mounted in the said container for forcing the soap outwardly therefrom and into the brush body when the container is operated.

Reference is to be had to the accompanying drawing, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:—

Figure 1 is a vertical section through the body of the brush. Fig. 2 is a transverse section taken on the line 2—2 of Fig. 1, looking in the direction of the arrow. Fig. 3 is a transverse section taken on the line 3—3 of Fig. 1, looking in the direction of the arrow. Fig. 4 is a side elevation of the squared rod with the compressing plate mounted thereon.

Referring more particularly to the views, I provide a tubular casing 10, constituting a handle and having an apertured cap 11 engaging one end thereof, the said casing being provided on the inner periphery with screw threads 12. Extending through the casing 10 is a squared rod 13 and engaging the upper end of the rod is a screw 14 passing through the aperture in the cap 11, the rod 13 being provided with a cylindrical bearing portion 15 engaged by the cap 11 so that the casing 10 may be rotated relatively to the rod 13. The lower end of the casing 10 terminates in an integral flanged portion 16 and the lower end of the rod 13 is pro-

vided with an integral spider 17, consisting substantially of an outer rim 18, an inner bearing rim 19 provided with an aperture 20 and braces 21 connecting the outer rim 18 with the inner rim 19, openings 22 being formed between the braces 21 and through which the soap is forced as will be hereinafter more fully explained. The lower end of the spider 17 embodies inclined sides 23 terminating in a tubular shank 24 provided with exterior screw threads 25, a chamber 26 being formed by the inclined sides 23. Secured to the lower end of the spider 17 is a base 27, consisting of an outer casing 28 having contained therein a substance 29 such as rubber or the like and the bristles 30 having their ends secured in the substance 29. The lower end of the spider 17 is adapted for threaded engagement with the base 27 and extended from the spider 17 into the bristles 30 is a fork 31 provided with tubular prongs 32, the said prongs being preferably elliptical in cross section so that when the shaving soap is forced outwardly from the said prongs it will assume a flat or ribbon shape, the mentioned fork 31 having threaded connection with the base 27, with the inner end of the fork abutting against the lower end of the shank 24.

The spider 17 is mounted in the flanged portion 16 so that the same can turn relatively to the casing 10 and slidably mounted on the rod 13 is a compressing plate 33, the periphery of the compressing plate being threaded for engagement with the threads 12 of the casing 10. The lower end of the casing 10 has a filling opening 34 normally closed by a cap 35 and through which the shaving soap is forced when it is desired to fill the casing 10.

In the use of my device, the casing 10 is rotated so that the compressing plate 33 will move to the upper end of the casing and the shaving soap is then forced into the casing through the filling opening 34, the said opening being then closed by the screw cap 35. Now by turning the casing 10, constituting a handle, the compressing plate 33 will be moved downwardly in the casing and will slide on the rod 13. The downward action of the compressing plate 33 will force the soap in the casing 10 through the openings 22 of the spider 17 and the soap will be forced through the tubular portion of the

shank 24 and into the fork 31 from which it will be ejected into the bristles 30 through the tubular prongs 32. Thus it will be seen that by simply turning the casing 10 relatively to the base 27, the soap will be forced outwardly from the casing and into contact with the bristles of the brush after which the end of the brush is dipped into water and the desired lather is produced.

10 It will be further seen and readily understood that in my device a sanitary article is embodied in that any dust or dirt is prevented from coming in contact with the soap before the same is used and the bristles 30 do not repeatedly contact with the same soap as is the case when the usual brush and a separate stick of shaving soap are employed.

20 Although for the purpose of describing my shaving brush I have shown a particular construction thereof, it will be understood that I do not limit myself to this construction and the scope of the invention is defined in the appended claim.

Having thus described the invention, I 25 claim:—

In a device of the class described, the combination with an interiorly threaded tubular casing, of a rod, angular in cross section extended through the said casing, a 30 compressing plate having an opening fitting said rod loosely mounted on the said rod and engaging the threads on the inner wall of the said casing, a spider swivelly mounted on the said casing and having the said 35 rod connected thereto, prongs extended from the lower end of the said spider and provided with elliptical openings, a brush head mounted to encircle the spider, and bristles extended from the said brush head 40 to encircle the said prongs.

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

SAMUEL K. AVERY.

Witnesses:

J. F. AVERY,
S. W. GAUNT.