N. KATO.

FOUNTAIN BRUSH.

APPLICATION FILED NOV. 7, 1917.

1,294,914.

Patented Feb. 18, 1919.

Fig. 1.

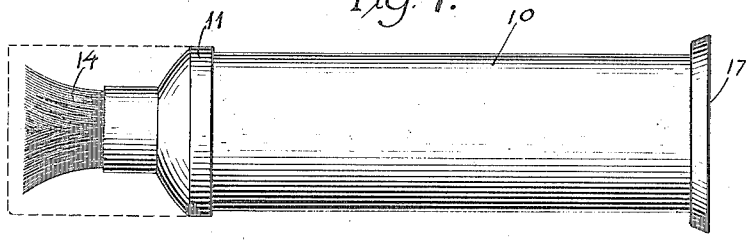


Fig. 2.

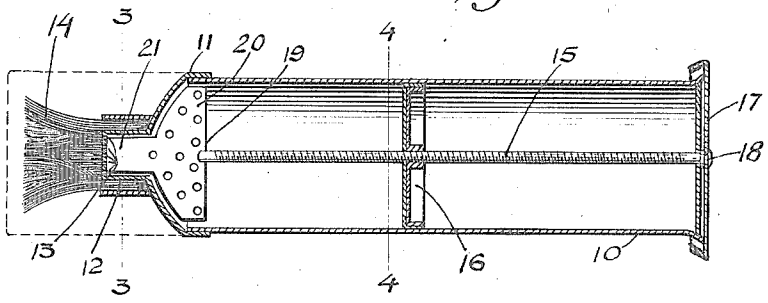


Fig 3.

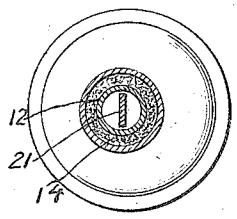


Fig. 4.

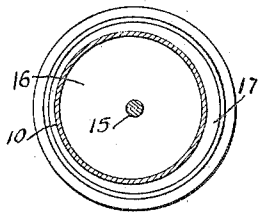
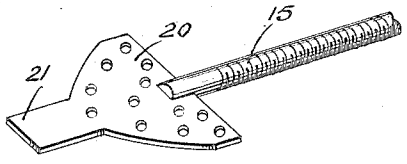


Fig. 5.



Witness

B. Stolnitz

Inventor

Naoya Kato.

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

NAOYA KATO, OF BROOKLYN, NEW YORK.

FOUNTAIN-BRUSH.

1,294,914. Specification of Letters Patent. Patented Feb. 18, 1919.

Application filed November 7, 1917. Serial No. 200,837.

To all whom it may concern:

Be it known that I, NAOYA KATO, a citizen of the Empire of Japan, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Fountain-Brushes, of which the following is a specification.

This invention relates to improvements in fountain brushes and relates more particularly to a brush which is adapted to contain cream or a thick fluid.

The principal object of the invention is the provision of a brush which is provided with a follower member actuated by means of a threaded rod extended into the same and co-acting therewith, said rod carrying at its free end an agitating device which tends to thoroughly mix the contents of the brush and conduct the same through perforations provided in the head to the bristles.

Another object of the invention is the provision of a device of the class described which operates to prevent clogging of the perforations by the action of the air on the contents.

A further object of the invention is the provision of an article of the class described which is of simple construction, inexpensive to manufacture and which overcomes many of the objections to brushes of this class.

Another object of the invention is the provision of an agitating device carried by the follower rod which is provided with means for positioning the latter with relation to the head of the brush.

With these and other objects in view the invention resides in the novel construction, combination and arrangement of parts fully described and pointed out in the following description and claim and illustrated in the accompanying drawings, in which—

Figure 1, is a side elevation.

Fig. 2, is a longitudinal section.

Fig. 3, is a cross section on the line 3—3, of Fig. 2.

Fig. 4, is a similar view on the line 4—4, of Fig. 2.

Fig. 5, is a perspective view of the agitating element carried by the follower rod.

Referring to the drawings 10 designates a hollow tubular handle which is closed at one end and provided at its outer end with a removable head 11, the latter being provided with a nozzle 12 having perforations 13 arranged in its end. Bristles 14, are secured to the head and surround the nozzle 12, whereby the contents of the handle may be readily applied thereto. A threaded rod 15 passes eccentrically through the closed end of the handle, and engages a threaded opening in the follower member 16. In order to advance the follower within the handle I provide a manipulating disk 17 which is secured to an extension 18 of the rod, said extension projecting through the closed end of the handle as shown. The free extremity of the rod 17 has secured thereto the agitating element 19, which is preferably of flat metal and is provided with the perforated wings 20 and an extension 21 which projects into the nozzle 12, and co-acts therewith to position the rod with relation to the head. The extension 21 also serves to cleanse the openings 13, in the nozzle should they become clogged due to the action of the air upon the contents of the brush. The wings 20 are adapted to agitate and thoroughly mix the contents as it is forced into the head and also tends to conduct the same into the presence of the bristles. It will be understood that due to the rod 15 being eccentrically positioned with relation to the cylinder the follower member will be prevented from turning therewith.

While I have shown and described a simple and preferred form of the invention, I desire to reserve the right to make such changes and alterations as fall within the scope of the appended claim.

What I claim is:

A fountain brush comprising a cylindrical casing closed at one end and having its other end open, a cap disposed upon the open end of said casing and forming a closure therefor, a reduced extension on said cap constituting a nozzle and having its end portion perforated, bristle tufts carried by said cap in encircling relation to said nozzle, a longitudinally extending threaded rod dis-

posed within said casing, means for rotating said rod, a follower member disposed within said casing and actuated by said rod, and a flat plate carried by the inner end of said rod and provided with a plurality of perforations, a portion of said plate being of a size to engage the inner wall of said cylindrical casing and a reduced extension on said plate conformingly engaging within said nozzle and bearing against the side and end thereof.

In testimony whereof I affix my signature.

NAOYA KATO.