

No. 855,758.

PATENTED JUNE 4, 1907.

E. S. CURRENT.  
FOUNTAIN BRUSH.  
APPLICATION FILED DEC. 14, 1906.

FIG. 1

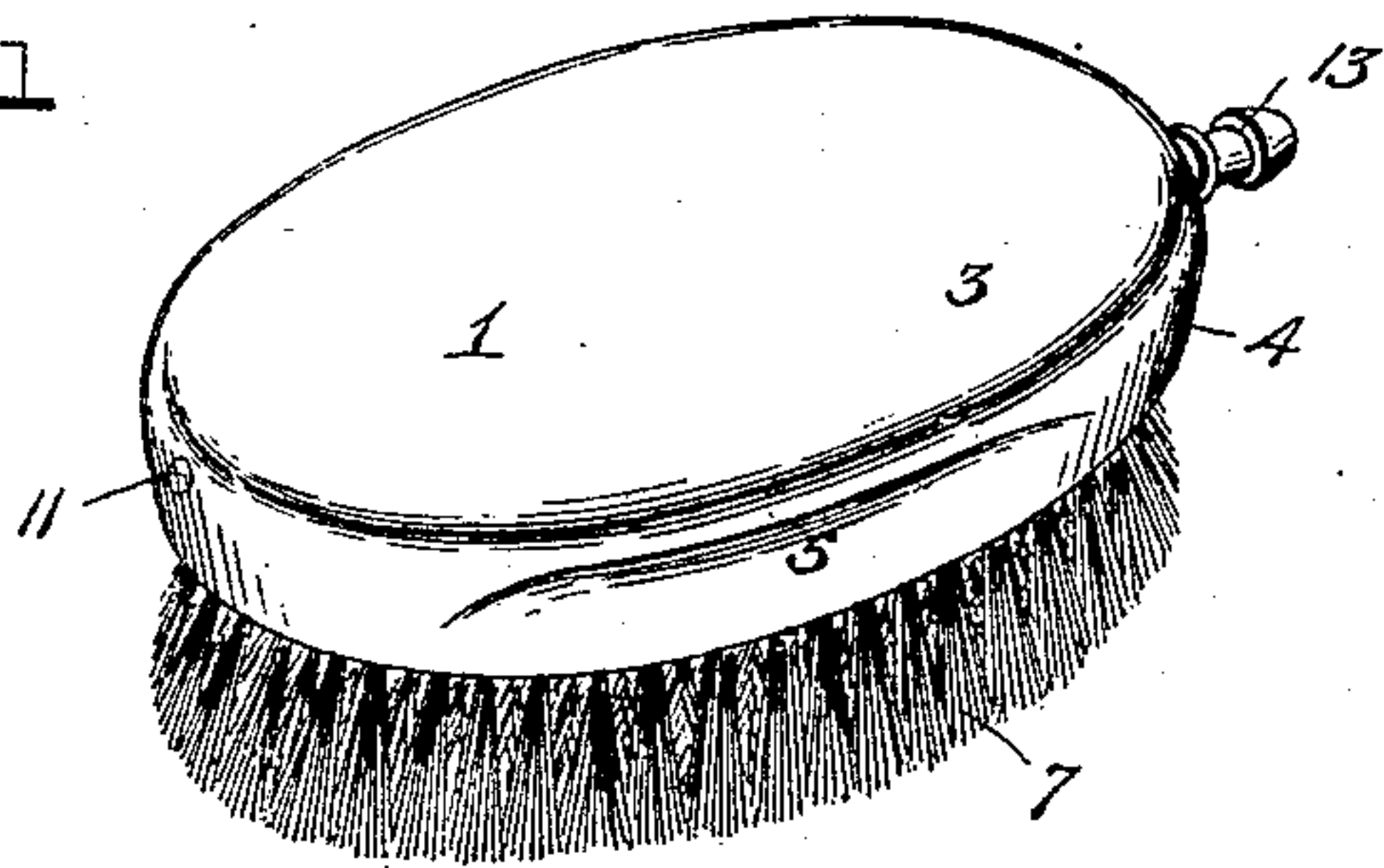


FIG. 2

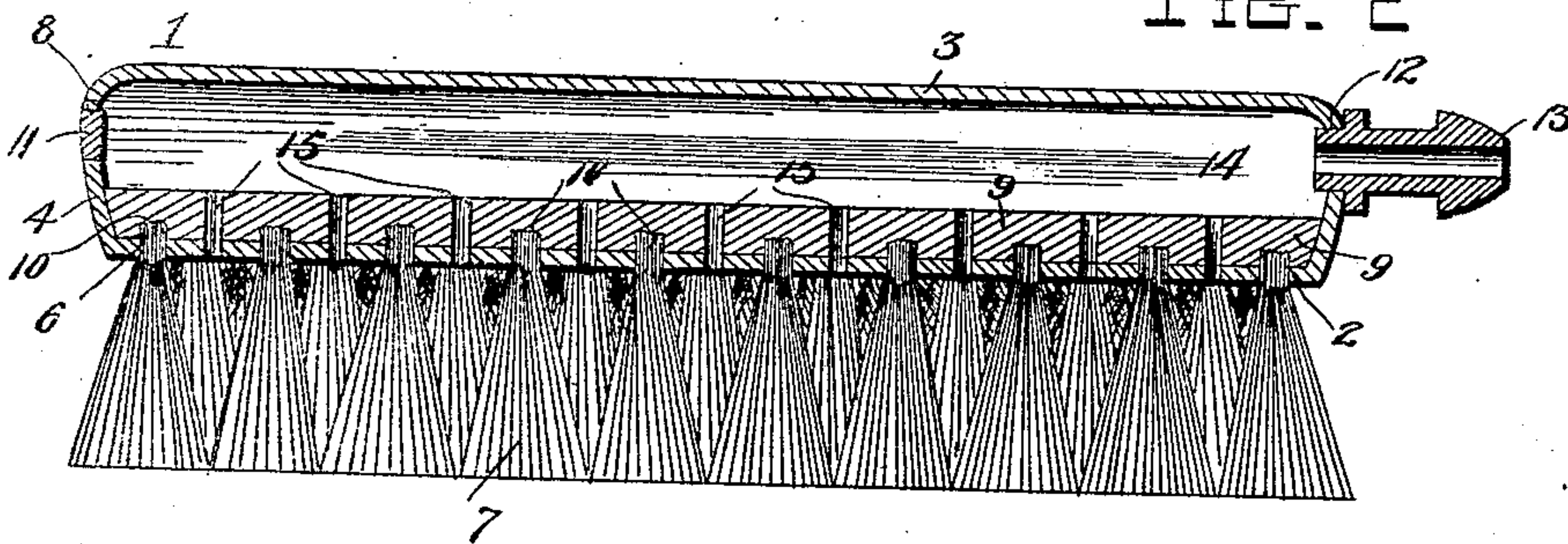


FIG. 3

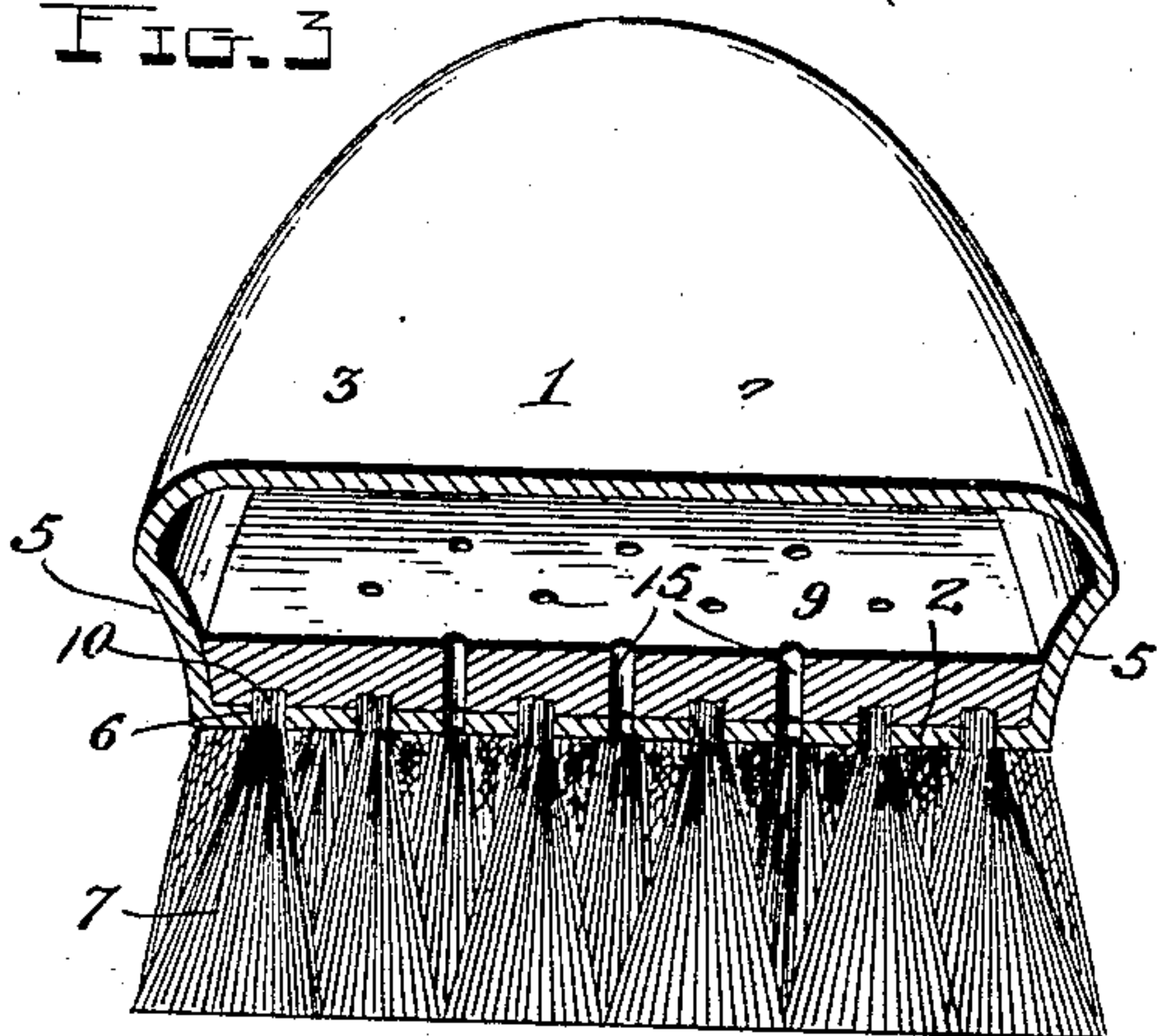
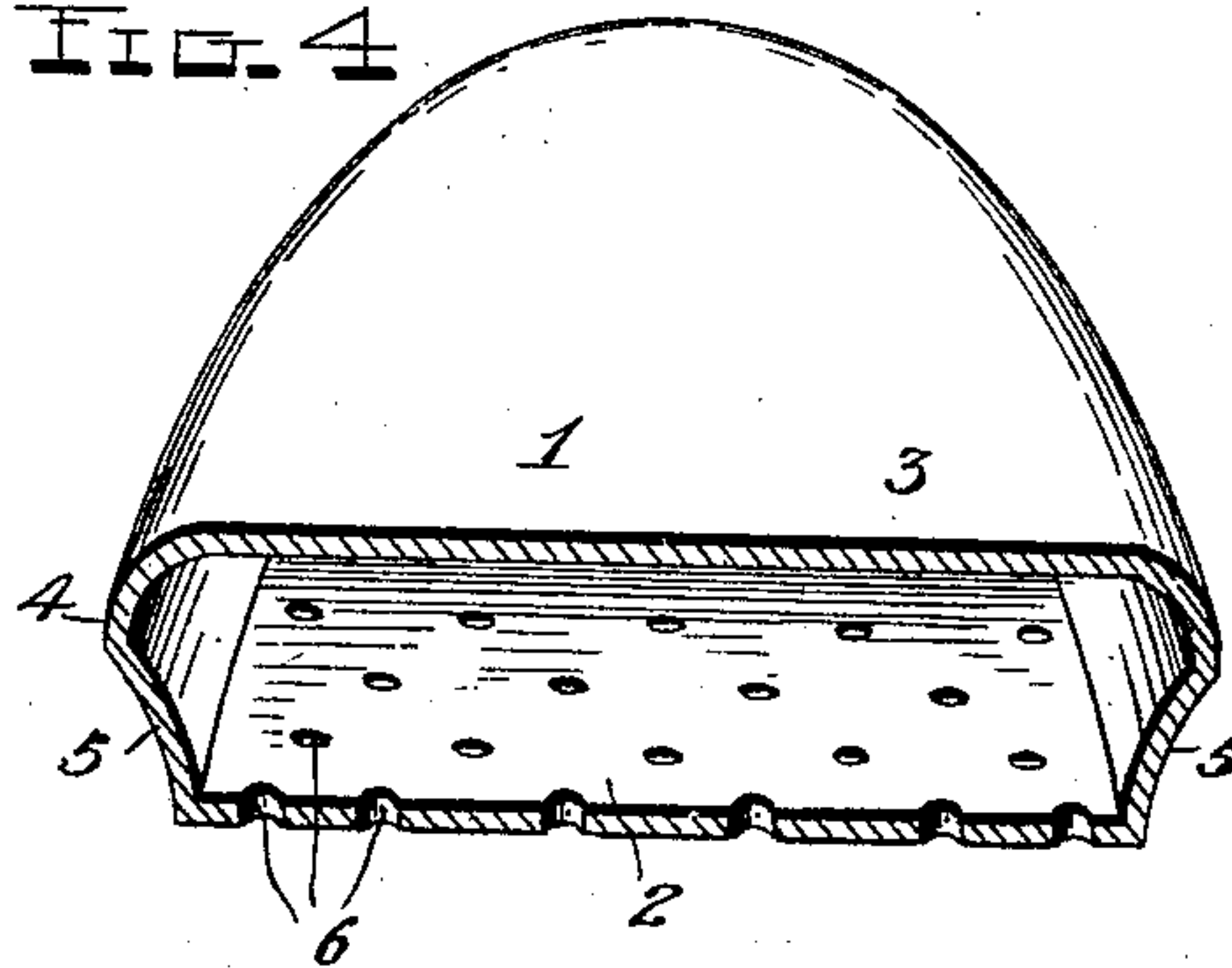


FIG. 4



Witnesses

J. A. Gruesbauer, Jr.  
Jennie C. Eisenstein.

Inventor

E. S. Current

By

Watson E. Coleman  
Attorney



# UNITED STATES PATENT OFFICE.

ELMER S. CURRENT, OF BRISTOL, RHODE ISLAND.

## FOUNTAIN-BRUSH.

No. 855,758.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed December 14, 1906. Serial No. 347,830.

*To all whom it may concern:*

Be it known that I, ELMER S. CURRENT, a citizen of the United States, residing at Bristol, in the county of Bristol and State of Rhode Island, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in fountain brushes and consists in the novel construction hereinafter described and claimed.

The object of the invention is to provide a brush of this character which will be strong and durable in use and which may be manufactured at a comparatively small cost.

The above and other objects are accomplished by the construction illustrated in the accompanying drawings, in which,

Figure 1 is a perspective view of my improved fountain brush; Fig. 2 is a longitudinal section; Fig. 3 is a sectional perspective through the complete brush; and Fig. 4 is similar view through the shell which forms the back or body of the brush.

In the practice of my invention I provide a hollow shell 1 of hard rubber or any other suitable material. This shell forms the back or body of the brush and may be of any desired size and shape according to the use to which the brush is to be put. The brush illustrated is adapted for use as a bath brush and its body or shell 1 is of elliptical form, the bottom 2 and top 3 being flat and parallel and the surrounding side wall 4 having at opposite points inwardly curved or depressed portions 5 which enable the body or shell to be readily grasped by the hand of the user. In the bottom 2 of the shell are formed apertures 6 for the brush bristles 7 and in one end of the surrounding wall 4 is formed an aperture 8 through which a water-proof cement may be introduced into the hollow shell to form an inner layer 9 which covers the projecting inner ends 10 of the bristles 7 and effectively secures the latter to the brush head or body.

The filling layer 9 is preferably a rubber composition which is in a plastic state when introduced into the shell 1 through the opening 8 and which hardens when allowed to cool. After the layer or backing 9 is hardened the aperture 8 is plugged up, as shown at 11, and an aperture 12 is drilled in the opposite end of the shell for a nipple 13. The latter is adapted for the connection of a hose

or other flexible pipe (not illustrated) and permits of the induction of water or other liquid into the chamber or space 14 in the shell 1 between its top 3 and the layer or backing 9. After the latter is hardened a plurality of discharge apertures or openings 15 are drilled through the bottom 2 and said layer or backing 9. These apertures permit of the discharge of the water or other liquid from the chamber 14 into the bristles 7 of the brush.

The improved brush shown in the drawings may be used in various ways, for instance, it may be attached by a rubber tubing to a bath tub faucet or to a fountain reservoir. It is exceedingly strong and durable in use and may be manufactured at a comparatively small cost. The provision of the layer or backing 9 of the water-proof material not only effectively secures the bristles in the brush body or shell, but also prevents the water or liquid from coming in contact with their inner ends and loosening them.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:—

A fountain brush comprising an integral body formed of a molded hollow shell having flat, parallel top and bottom walls united by a surrounding side wall, the latter having at opposite points finger receiving depressions to permit the body to be readily grasped by the hand of the user, said bottom wall having bristle receiving apertures and liquid discharge apertures arranged therebetween, bristles projecting through said bristle receiving apertures, a layer of water proof cement covering the inner face of the bottom wall of the body or shell and entirely covering the projecting inner ends of the bristles to retain the latter in the body or shell, said layer of cement being formed with apertures which aline with the discharge apertures in said bottom wall, and a liquid inlet nipple for the connection of a flexible tube fixed in the body or shell and opening into the chamber between the top wall and the layer of cement in the body or shell, substantially as shown and described.

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

ELMER S. CURRENT.

Witnesses:

JOSEPH NEWBOLD,  
THOS. J. CUFF.