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C. H. STRUBLE ET AL

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FOUNTAIN BRUSH

Original Filed Aug. 6, 1924

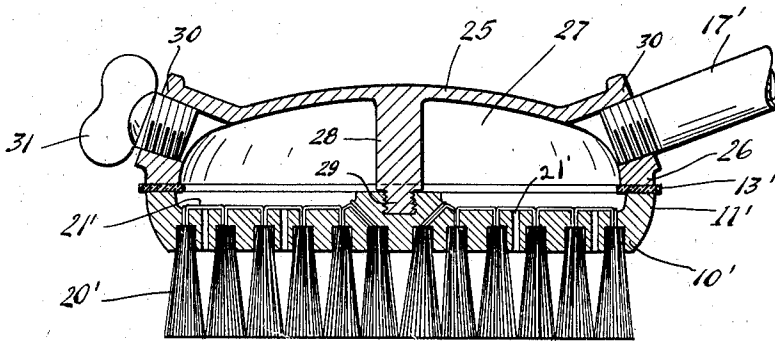


Fig. 1

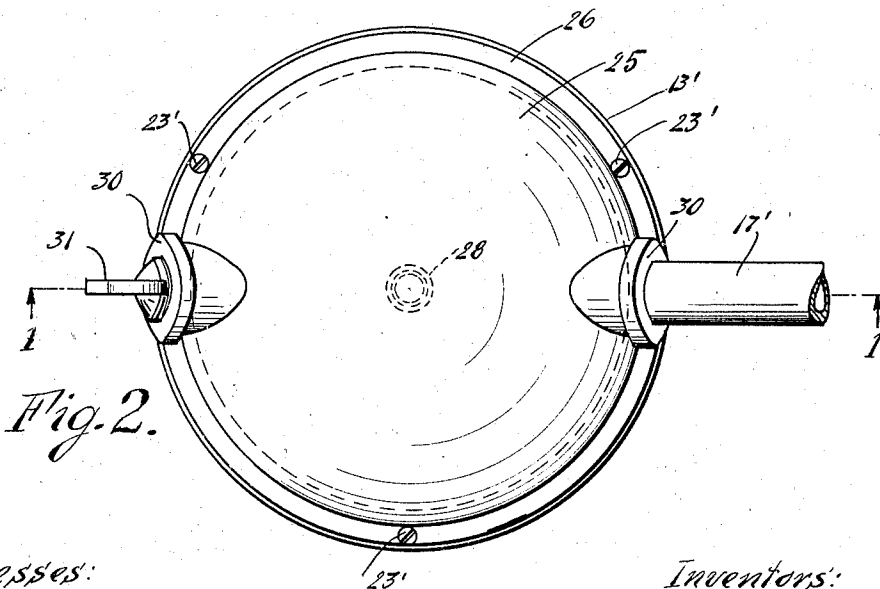


Fig. 2.

Witnesses:
W. H. Smith
J. D. Stewe

Inventors:
Clarence H. Struble &
Samuel W. Hall.
By Joshua R. Hottel.
Their Attorney.

UNITED STATES PATENT OFFICE

CLARENCE H. STRUBLE AND SAMUEL W. HALL, OF CHICAGO, ILLINOIS

FOUNTAIN BRUSH

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Our invention relates to fountain brushes; and an object of the invention is to provide a durable and efficient brush having means for supplying and evenly distributing liquid throughout the brush; and a further object is to make use of non-corrosive material in constructing the brush, so that strong alkaline and acid cleansing solutions may be used therewith without damaging the brush.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which

Fig. 1 is a vertical sectional view on line 1—1 of Fig. 2, showing a modified form of our invention, and

Fig. 2 is a top plan view of said form.

The form illustrated comprises a bristle bearing member or brush member 10', having an upturned flange 11', discharge ducts 21 and perforations 19' for receiving bristles 20' which are fastened therein by non-corrosive wires 21.

The head member 25, comprises a flange 26 fitting flange 11' and having a gasket 13' of suitable material interposed between said flanges, said members being formed to provide a reservoir 27 therein. A post 28 is formed integral with the head member, extends centrally of said reservoir, and has a threaded end or stem 29 fitting in a threaded socket in the brush member 10', with which said members are fastened together. A plurality of inlet ports 30 are arranged uniformly around the head member, two being shown but more will be provided if desired, and each of the ports is threaded to receive the threaded tubular handle member 17'. A plug 31 is placed in each port which is not in use to contain tubular member 17'. And screws 23' or the like are preferably also used to positively retain the head member and brush member in their fastened position.

The thickness of the gasket may be varied in order to limit the rotation during fastening of the threaded stem 29 of the head member

in its socket in the brush member, in order to bring different parts of the brush member opposite the tubular handle 17', and in addition thereto the plurality of inlet ports 30 enable the tubular handle to be mounted in the different ports, thus further bringing different portions of the brush member opposite the handle and at the forward or main wearing edge of the brush, thereby assuring the uniform wearing of the bristles at the outer or perimetric part of the brush; and the post 28 acts as a re-enforcing and strengthening member between the dome-shaped portion of the head member and the brush member, in addition to its function as means for fastening said members together.

These members are preferably constructed of aluminum, or of some other non-corrosive metal, or any other acid resisting or non-corrosive material, such as hard rubber, wood or the like.

While we have shown and described the preferred form of construction for carrying our invention into effect, this is capable of variation and modification without departing from the spirit of the invention. We, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail ourselves of such variations and modifications as come within the scope of the appended claims.

Having described our invention what we claim as new and desire to secure by Letters Patent is:

1. A fountain brush comprising a brush member with an upturned outer flange, bristles mounted therein and discharge ducts evenly arranged therein between said bristles, a dome-shaped head member with an outer depending flange co-operating with the first flange and forming with said first member a reservoir to discharge through said ducts, integral threaded inlet means on said head member for receiving an operating conduit, a threaded socket on said brush member, integral means formed centrally on the head member for threaded engagement into the socket on said brush member, and threaded means for positively retaining said members in fastened position.

2. A fountain brush comprising a brush
body having bristles mounted thereon and
discharge ducts between said bristles, a dome-
shaped head member secured to said brush
member to form a reservoir discharging
through said ducts, said head member being
provided with a central threaded stem
threaded in said brush member; means for
introducing fluid into said reservoir; and
screws extending through the edges of said
head member and locking the same against
rotation on said brush member.

In testimony whereof we have signed our
names to this specification.

CLARENCE H. STRUBLE.
SAMUEL W. HALL.