

G. W. HARNES & L. S. ADAMS.
 FOUNTAIN BRUSH.
 APPLICATION FILED SEPT. 13, 1911.

1,051,328.

Patented Jan. 21, 1913.

2 SHEETS—SHEET 1.

Fig. 1.

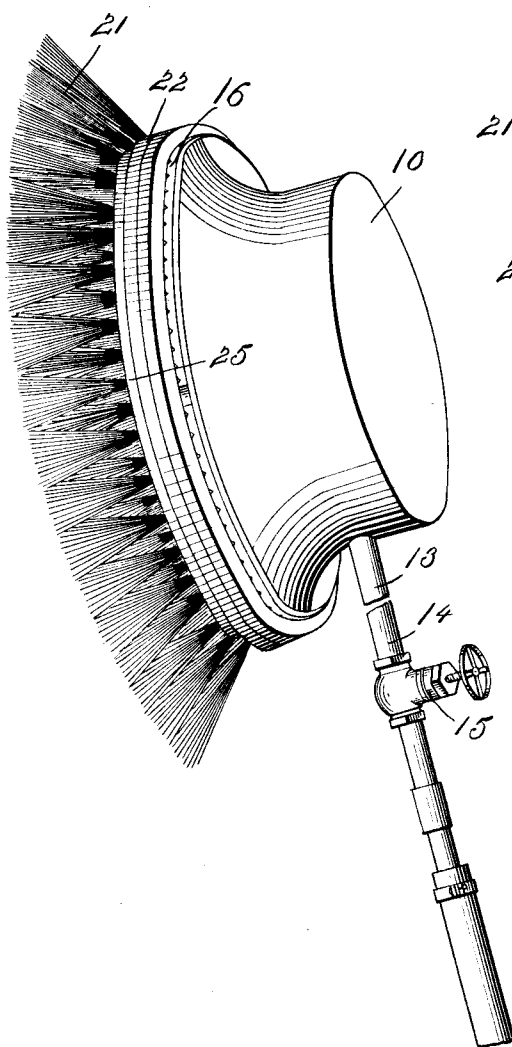
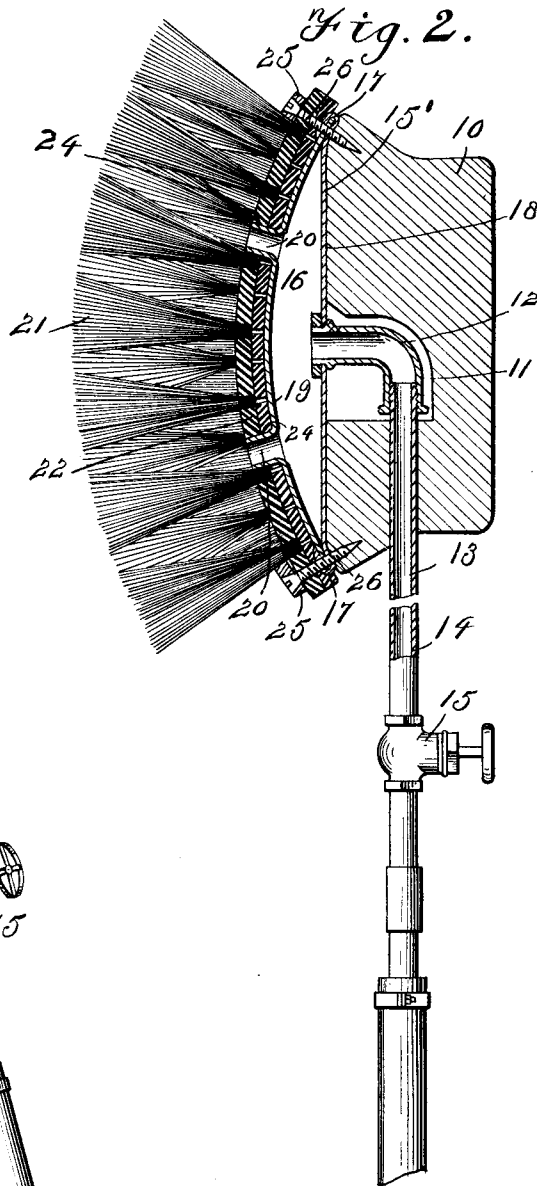


Fig. 2.



Witnesses
C. E. Kumpfer
P. A. Hester

Inventors
George W. Harnes
Leland S. Adams
 By *Victor J. Evans*
 Attorney

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2 SHEETS—SHEET 2.

Fig. 3.

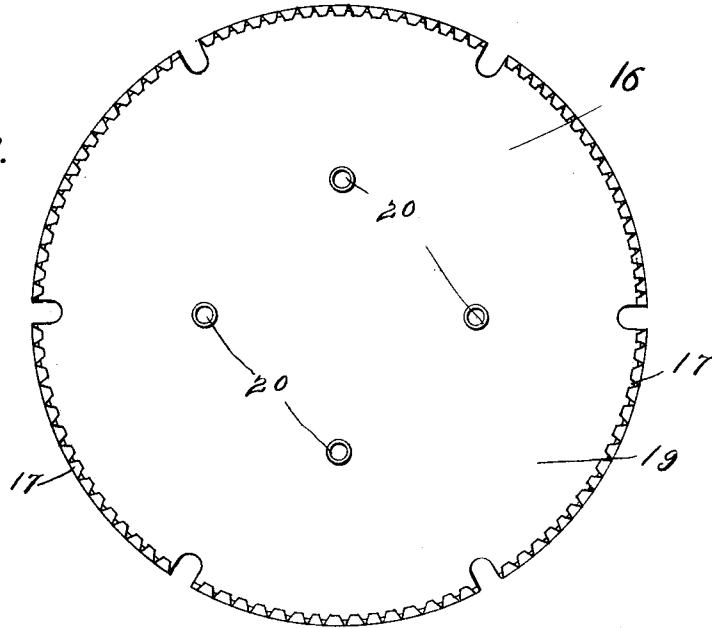
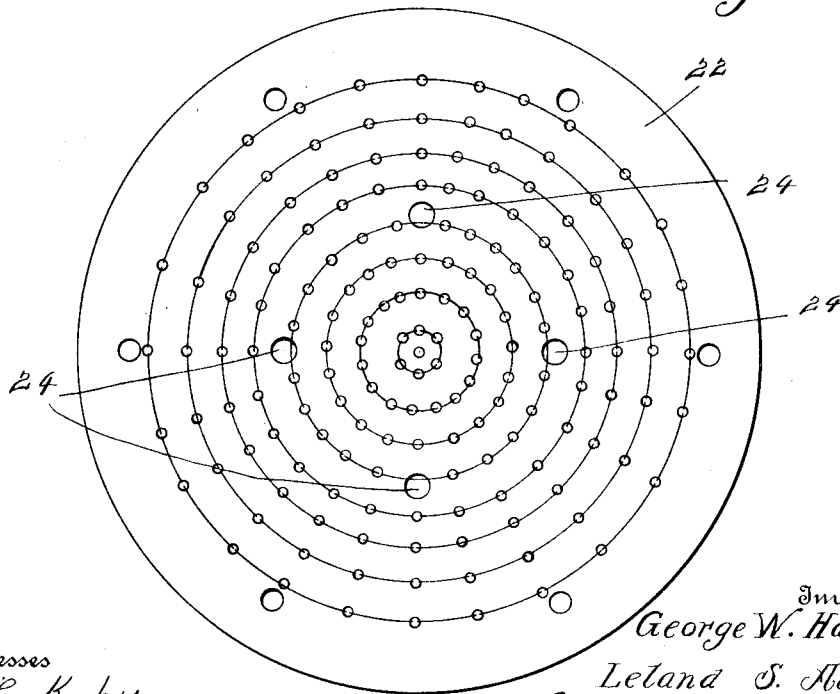


Fig. 4.



Witnesses
C. E. Kumpfer.
R. A. Foster

Inventors
George W. Harnes
Lelana S. Adams.
 By *Victor J. Evans*
 Attorney

UNITED STATES PATENT OFFICE.

GEORGE W. HARNES AND LELAND S. ADAMS, OF STERLING, COLORADO.

FOUNTAIN-BRUSH.

1,051,328.

Specification of Letters Patent.

Patented Jan. 21, 1913.

Application filed September 13, 1911. Serial No. 649,033.

To all whom it may concern:

Be it known that we, GEORGE W. HARNES and LELAND S. ADAMS, citizens of the United States, residing at Sterling, in the county of Logan and State of Colorado, have invented new and useful Improvements in Fountain-Brushes, of which the following is a specification.

The invention relates to fountain brushes and has for an object to provide a brush, more particularly adapted for cleaning windows and the like and operable in connection with a liquid ejected from the brush body.

Among other features, the invention embodies a brush having connection with a liquid supply, which is forced into the brush and ejected between the bristles thereof.

For the purpose mentioned, use is made of a head for connection with a liquid supply, a reservoir mounted on the head and a brush body provided with bristles, suitable ducts being provided for connection with the brush body and terminating in the mentioned reservoir to convey a liquid, forced into the reservoir through the supply, from the reservoir to the bristles of the brush, a valve being provided for controlling the supply of liquid to the reservoir.

Reference is to be had to the accompanying drawings 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 perspective view of the device showing the same in applied position. Fig. 2 is a vertical longitudinal sectional view showing the interior apron of the brush. Fig. 3 is a front elevation of the reservoir, the brush body having been removed from connection therewith. Fig. 4 is a rear elevation of the brush body.

Referring more particularly to the views, we provide a circular head 10 having an aperture 11 therein, and in which is received a tubular L-shaped member 12. Threadedly connected to a supply pipe 13 extending outwardly from the head 10 and constituting a handle 14, a controlling valve 15 being mounted at a desirable point on the handle and the lower end of the handle being connected to a liquid supply by means of a flexible hose or the like. The inner surface 15' of the head 10 has the edges thereof beveled and mounted to repose on the mentioned surface is a reservoir 16,

preferably circular in shape and provided with a peripheral flange 17 which abuts against the bevel of the surface 15' as shown in Fig. 2. The reservoir 16 is preferably circular in shape and has a flat inner side 18, which abuts against the inner surface 15' of the head 10, the outer wall 19 of the reservoir 16 being convex in shape and provided with a series of ducts 20 which are extended outwardly from the convex wall 19.

A series of bristles 21 are connected to a brush body 22 to form a brush 23, the brush body 22 being provided with apertures 24 through which the ducts 20 are adapted to extend when the brush body is engaged with the outer convex wall 19 of the reservoir 16 and mounted on the periphery of the brush body 22 is a ring 25 provided with apertures through which screws 26 are passed, the said screws being extended through the brush body 22 and the flange 17 of the reservoir 16 with the ends of the screws terminating in the head 10.

In the use of our device, when the handle 14, constituting a liquid conveyer, is connected to a suitable liquid supply, when the valve 15 is open the liquid will pass through the pipe 13 and the L-shaped member 12, into the reservoir 16 from which the liquid will pass outwardly through the ducts 20 and contact with the bristles 21. Thus when the device is used for cleaning windows and the like, the liquid ejected from the ducts 20 together with the bristles 21 will cooperate to remove any dirt from the window and by continuously forcing a clean supply of liquid from the ducts 20, the windows can be quickly and easily cleaned in a most satisfactory manner.

Having thus fully described the invention, what we claim as new, is:—

1. In a fountain brush, the combination with a head, of a supply pipe connected thereto and extending through the head, a reservoir connected to the said head and provided with ducts extending forwardly therefrom, a brush body mounted on the said reservoir and provided with apertures through which the said ducts extend, and a ring encircling the said brush body and secured to the said head to retain the said brush body in engagement with the said reservoir and the said reservoir in engagement with the said head.

2. In a fountain brush, the combination with a head having the inner surface beveled

eled, of a supply pipe connected thereto and
extending through the said head, a reservoir
connected to the beveled portion of the said
head and provided with ducts, a brush body
5 mounted on the said reservoir and having
the said ducts extended therethrough, a ring
mounted to encircle the said brush body, and
screws extended through the said ring, the
said brush body and the said reservoir and
10 extending into the said head to secure the

said ring, the said brush body and said reser-
voir in relatively rigid position with respect
to the said head.

In testimony whereof we affix our signa-
tures in presence of two witnesses.

GEORGE W. HARNES.
LELAND S. ADAMS.

Witnesses:

PHILLIP D. BARNEY,
E. G. BRYANT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."