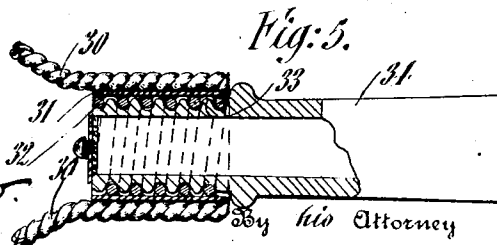
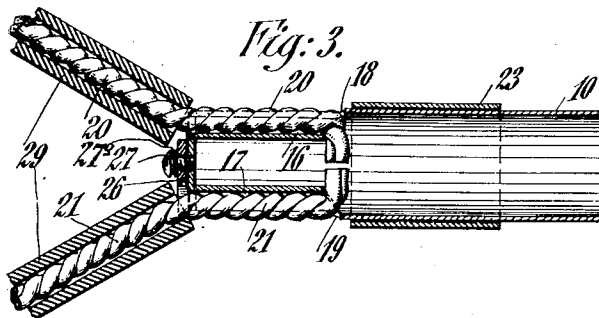
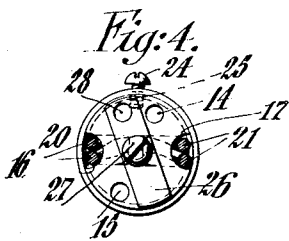
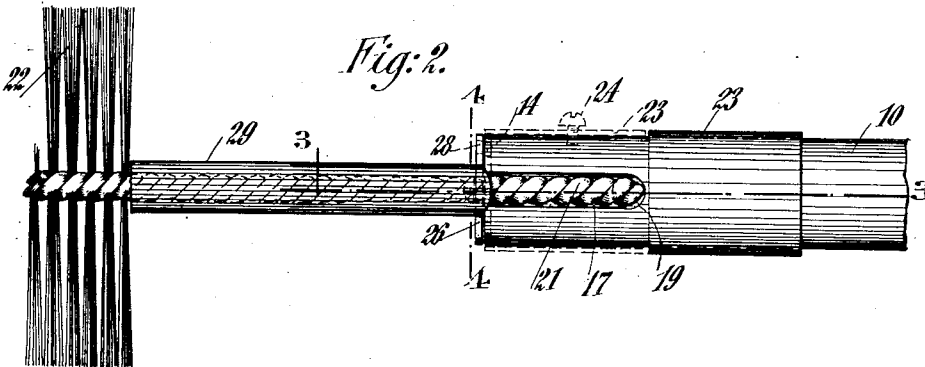
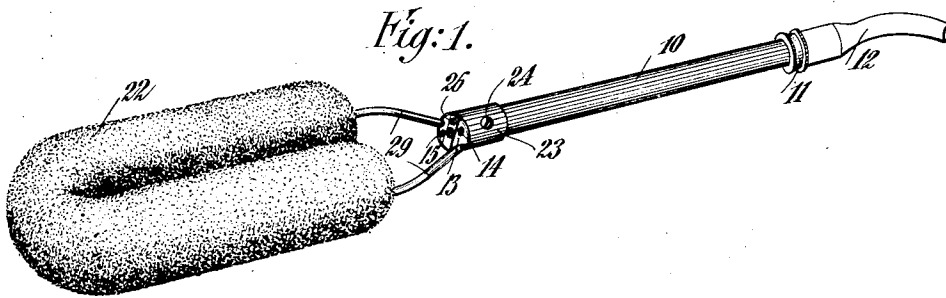


M. HURVITZ.
 FOUNTAIN BRUSH.
 APPLICATION FILED JULY 30, 1915.

1,173,721.

Patented Feb. 29, 1916.



Witnesses:

Jos. S. S. S.

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UNITED STATES PATENT OFFICE.

MAX HURVITZ, OF NEW YORK, N. Y., ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS,
TO EXCELSIOR BRUSH CO. INC., A CORPORATION OF NEW YORK.

FOUNTAIN-BRUSH.

1,173,721.

Specification of Letters Patent.

Patented Feb. 29, 1916.

Application filed July 30, 1915. Serial No. 42,701.

To all whom it may concern:

Be it known that I, MAX HURVITZ, a resident of the borough of the Bronx, in the county of the Bronx and State of New York, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification.

This invention relates to improvements in fountain brushes, and particularly such brushes for the cleaning of automobiles, carriages, and the like, an object of the invention being to provide such a device which will be especially adapted for cleaning between the spokes and working parts of such vehicles, and with which a continuous stream of water may be fed either to one or both sides of the brush during the cleaning operation and the amount of water may be regulated as desired.

A further object is to provide in such a device a detachable brushing portion, so that the same may be renewed when desired, and a still further object is to provide in a brush of this character a simple, durable and inexpensive construction.

With these and other objects in view, my invention is shown in the accompanying drawings, and will be hereinafter more fully described with reference thereto and finally pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved fountain brush; Fig. 2 is an enlarged plan view thereof and showing the same in position for removal of the brush; Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2; Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2; and Fig. 5 is a sectional view of a modified form of construction.

Similar reference characters indicate corresponding views throughout the several views.

Referring to the drawings, and more particularly to Fig. 1 thereof, a cylindrical handle portion 10 is provided at its rear end with a hose attaching piece 11, to which a hose 12 is secured, and through which water is supplied to the handle. The forward end thereof has a plate 13 secured therein, in which are provided diametrically opposite openings 14 and 15. Longitudinal recesses 16 and 17 are provided at the forward end of the handle portion, the recess at one side being slightly below one of the said openings, and at the other side slightly above

the other opening. The said recesses terminate in openings or cut-out portions 18 and 19. The twisted wire ends 20 and 21 of the U-shaped brush 22 are disposed within the said recesses, the ends thereof being bent over into the said cut-out portions 18 and 19. For rigidly retaining the same therein, a sleeve 23 is provided on the handle, which is moved over the said recessed end of the same, and is held in place by means of a screw 24 therein, which engages a hole 25 provided in the handle, the bent-over portion of the brush ends, which engage the cut-out portions 18 and 19, preventing the brush from being pulled out of the handle. A valve 26 is rotatably secured to the plate 13 by means of a screw 27, a small coil spring 27^a being provided beneath the head of the screw for maintaining the plate in position, and is provided in one end with an opening 28 adapted to register with the opening 14. When it is desired to have water flow through both the openings 14 and 15, the ends of the valve are disposed within the intermediate portions between the said openings and the recesses 16 and 17, while when only one of the openings is to be used, the opening 28 of the valve is brought into register with the opening 14, the opening 15 then being closed by the other end of the valve. In any of the intermediate positions of movement, the flow of water is regulated to a greater or less extent as desired. The wire portions of the brush between the handle and the bristles are preferably covered with rubber tubing 29 to protect the carriage or automobile during the cleaning operation. When it is desired to remove the brush portion, the screw 24 is removed, whereupon the sleeve may be moved out of engagement with the wire ends of the brush and the recesses 18 and 19, and the brush portion disengaged therefrom.

In Fig. 5, I have shown a slightly modified form of construction, in which the wire ends 30 of the brush are secured to a cylindrical member 31 by means of soldering or the like, and the interior of the said cylindrical member is screw threaded, preferably by means of a coil of wire 32 soldered therein. The brush thus formed is screwed upon the screw threaded end 33 of the cylindrical handle 34, which is provided with openings therein, as in the foregoing form of construction.

It will be seen that with the use of my improved construction, a very efficient fountain brush is produced, which is especially adapted for the cleaning of automobiles, 5 carriages and the like, and the shape thereof enables a thorough manipulation of the brush within the spokes of the wheels and the other working parts of such vehicles.

I have illustrated and described preferred 10 and satisfactory forms of my invention, but it is obvious that changes may be made therein within the spirit and scope thereof, as defined in the appended claim.

I claim:—

15 A brush of the character described comprising a hollow handle adapted for connection with a water supply pipe and provided at its forward end with outlet openings, with longitudinal recesses extending back-

ward from said forward end along opposite sides and with lateral holes at the rear ends of said longitudinal recesses, a detachable brush head provided with wire shanks fitting said longitudinal recesses and having 20 inturned ends engaging said lateral holes, 25 and a sliding sleeve movable on said handle and adapted to slide outward over said wire shanks in said recesses to lock said brush head to said handle and inward over said handle to release said brush head. 30

In testimony that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

MAX HURVITZ.

Witnesses:

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