Nov. 15, 1927. **1,649,677**

M. FERRARI

BRUSH

Filed June 15, 1925 **2 Sheets-Sheet 1**

Fig. 1.

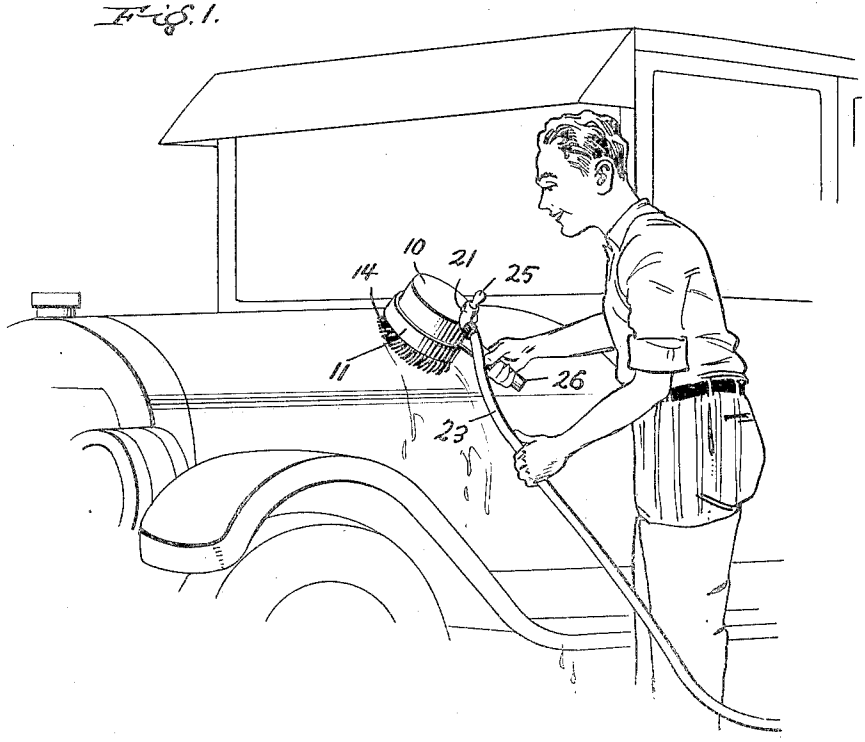
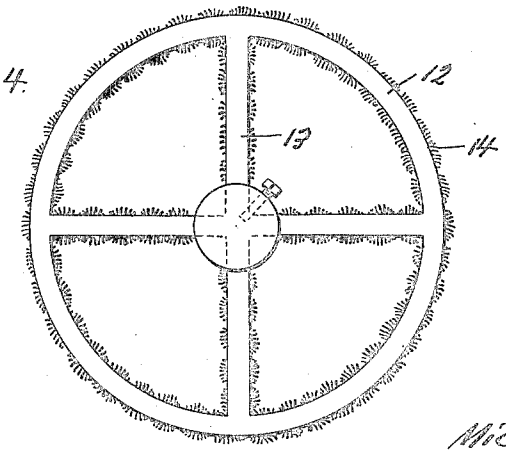


Fig. 4.



Michael Ferrari

INVENTOR

BY Victor J. Evans

ATTORNEY

WITNESS: Gerald Hennessy Sr.

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Fig. 2.

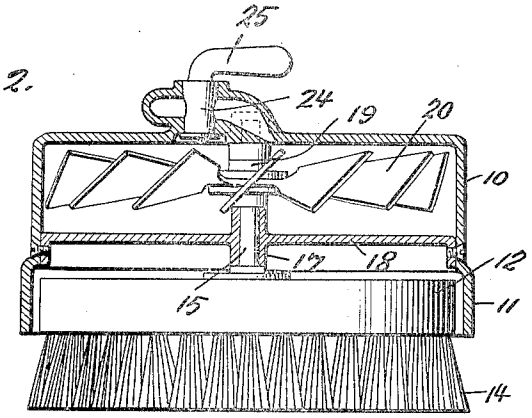
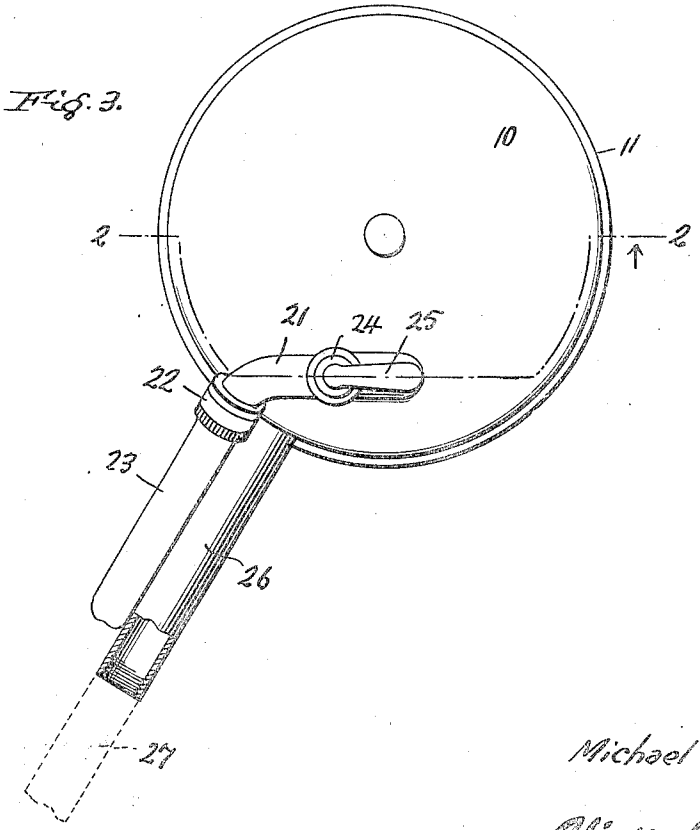


Fig. 3.



Michael Ferrari

INVENTOR

BY Victor J. Evans

ATTORNEY

WITNESS: Gerald Hennessy Jr.

Patented Nov. 15, 1927. 1,649,677

UNITED STATES PATENT OFFICE.

MICHAEL FERRARI, OF DETROIT, MICHIGAN.

BRUSH.

Application filed June 15, 1925. Serial No. 37,376.

This invention contemplates the provision of a rotary brush primarily intended for washing automobiles, carriages and the like, and embodies means actuated by the water supply to the surface to be cleaned for rotating the brush, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a perspective view showing the manner of using the brush,

Figure 2 is a sectional view on line 2—2 of Figure 3,

Figure 3 is a top plan view, and

Figure 4 is a top plan view of the brush.

While it is hereinabove stated that the invention is primarily intended for washing automobiles, carriages and the like it is to be understood that its general application is contemplated by the claim.

The invention embodies a casing 10 open at its lower end, and slightly flared as at 11 to accommodate the brush in the manner illustrated in Figure 2. While the brush may vary in construction, the head thereof is preferably made up of an annular portion 12 and radially disposed spoke like members 13, the bristles 14 depending from the brush beneath the open end of the casing 10 as shown. The brush is fixed upon a shaft 15 which is journalled in a suitable bearing 17 supported centrally of the casing 10 by a transverse member 18. The shaft is provided with a hub 19 from which radiates an annular series of blades 20 utilized to rotate the brush by the influence or impact of the water utilized to clean the surface over which the brush is adapted to be moved. Supported by the top of the casing 10 is a pipe like extension 21, preferably forming an integral part of the casing, and to which extension is adapted to be coupled, as at 22, a water supply pipe 23. The pipe like extension 21 has associated therewith a rotary plug valve 24 through the instrumentality of which the admittance of water to the brush can be controlled, the handle for the valve being indicated at 25. Projecting from the side of the casing 10 is a hollow tubular extension 26 constituting a handle by means of which the brush can be conveniently moved about the surface to be cleaned, and if desired an auxiliary handle 27 may be threaded or otherwise suitably secured to the handle 26 to increase the length thereof. The invention can be very conveniently used for the purpose intended, and the work more speedily and efficiently accomplished. It is only necessary to couple the water supply pipe 23 to the pipe 21 and open the valve 24, whereupon water is admitted to the casing 10, both downwardly and tangentially with relation to the blades 20, thereby forcibly rotating the brush as will be readily understood.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:

A revolving brush, a casing having its lower end flared, a shaft, a transverse member removably secured to the casing supporting the brush, water means for turning the brush, a water connection, a means for introducing the water into the casing, and a screw holding the transverse member in the casing.

In testimony whereof I affix my signature.

MICHAEL FERRARI.