May 22, 1956 P. CHARUN 2,746,071

FOUNTAIN BRUSH AND SQUEEGEE

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Fig. 1

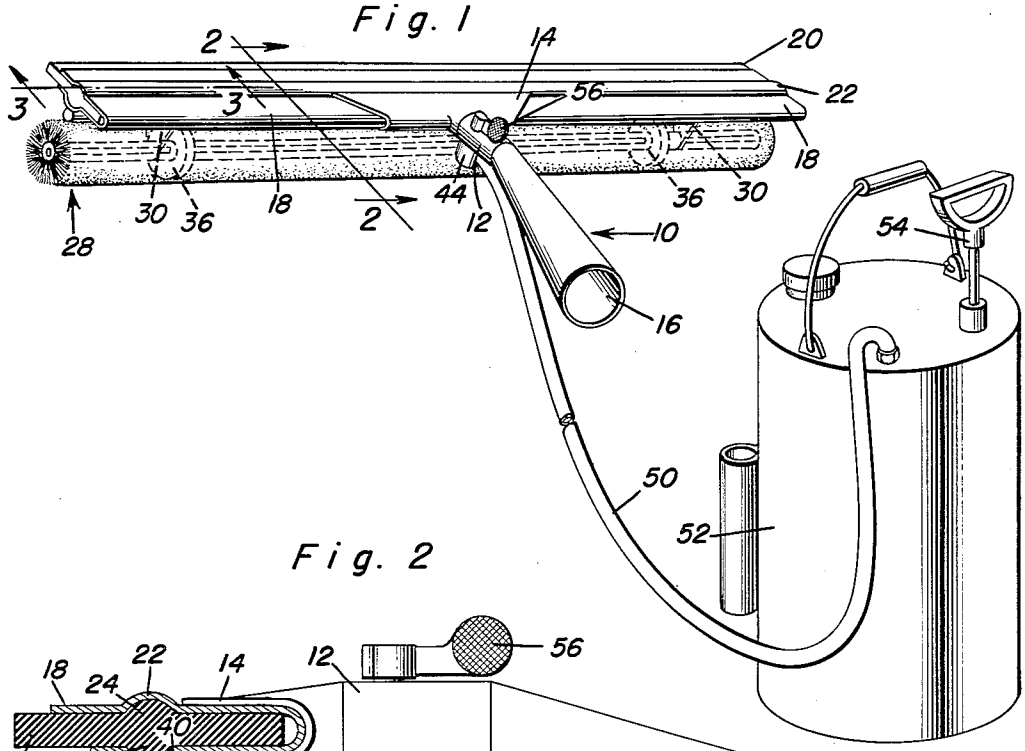


Fig. 2

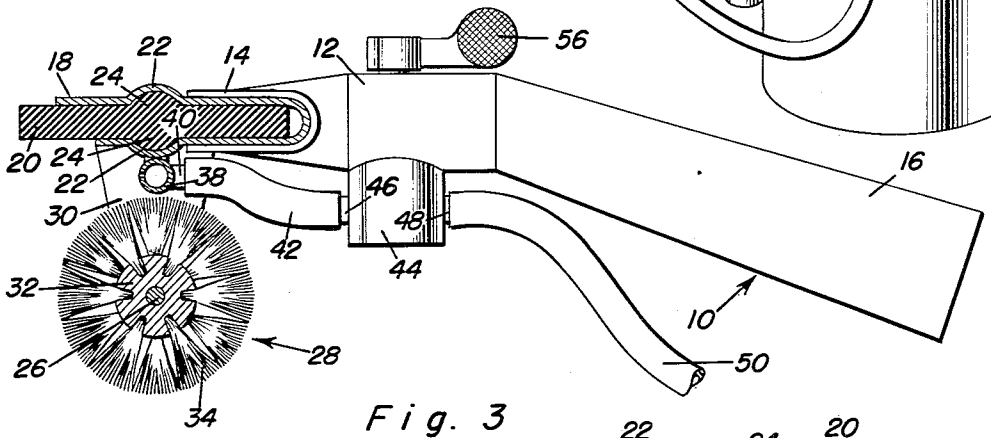
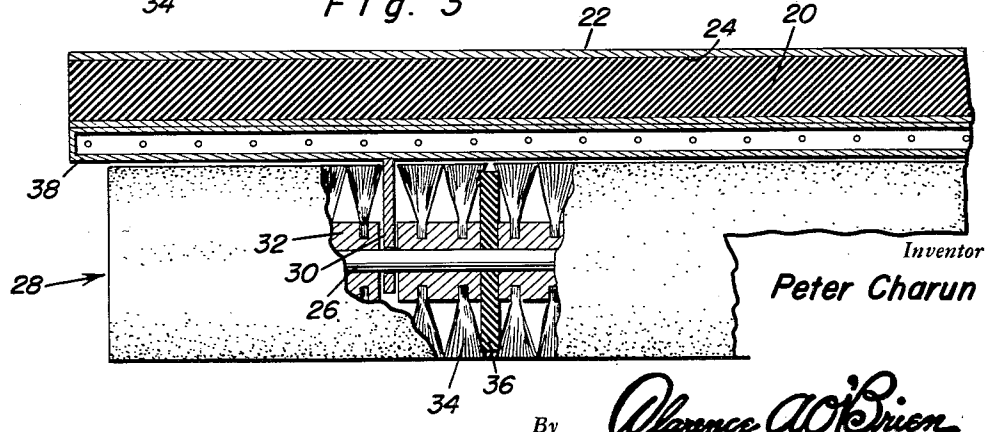


Fig. 3



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FOUNTAIN BRUSH AND SQUEEGEE

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3 Claims. (Cl. 15—123)

This invention relates to new and useful improvements in cleaning devices and the primary object of the present invention is to provide a fountain brush and squeegee for cleaning windows and the like in a highly efficient and satisfactory manner.

Another important object of the present invention is to provide a cleaning device consisting of a squeegee and a brush supported in parallel relationship together with a spray tube mounted between the squeegee and the brush for supplying a liquid to the brush and to the surface being cleaned.

A further object of the present invention is to provide a cleaning device of the aforementioned character including a finger actuated valve for controlling the flow of liquid to the spray tube.

A still further aim of the present invention is to provide a cleaning device that is simple and practical in construction, strong and reliable in use, small and compact in structure, inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the present invention applied to a source of liquid;

Figure 2 is a sectional view taken substantially on the plane of section line 2—2 of Figure 1; and,

Figure 3 is a sectional view taken substantially on the plane of section line 3—3 of Figure 1.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents a handle whose forward end 12 terminates in a cross-channel or bifurcated portion 14. The rear end 16 of the handle is formed into a forwardly and inwardly tapering sleeve that will receive a pole or the like.

The central portion of an elongated resilient channel 18 is yieldingly held within the bifurcated portion 14 and receives therein a rubber strip or squeegee 20 whose forward edge projects outwardly from the channel 18. The upper and lower flanges of the channel 18 are formed with hollow concave ribs or recess 22 that receive ribs 24 on the upper and lower faces of the strip 20 as shown in Figure 2.

The supporting rod 26 of a cleaning brush 28 is rotatably supported by a pair of arms 30 depending from the channel 18. The core of the brush 28 is composed of tubular sections 32 that are suitably secured on the rod 26 and which support groups of bristles 34. The arms 30 are

located between adjacent sections 32 as shown in Figures 1 and 3.

The central core section supports a plurality of rubber disks 36 that will ride against the surface being cleaned to guide the device and function as gage wheels.

A spray tube or perforated tube 38 is secured to the undersurface of the channel 18 and overlies the brush 28. The tube 38 extends throughout the length of the brush and includes a central inlet nipple 40 to which one end of a flexible tube 42 is attached.

A valve housing 44 extends through and is mounted in an opening in the end portion 12. The outlet side 46 of the housing is connected to the rear end of the tube 42 and the inlet side 48 of the housing is connected to a flexible tube 50 that extends from a tank 52 having a pump means 54 whereby liquid may be directed into the tube 38.

A valve is mounted in the housing 44 and includes a finger operated lever 56 that is manually actuated to permit liquid to pass from the tank into the spray tube.

As liquid passes from the spray tube, it will contact the brush and the surface being cleaned and permit the brush to effectively remove dirt from the surface being cleaned, whereupon the squeegee will clean the surface. Obviously, the cleaning liquid may be water or any other cleaning solution.

Having described the invention, what is claimed as new is:

1. A fountain brush and squeegee for cleaning windows comprising a handle, an elongated U-shaped channel transversely secured to said handle, a squeegee extending from end to end of said channel and held in said channel and projecting outwardly therefrom, a pair of spaced arms secured to one side wall of said U-shaped channel and extending at right angles thereto, a cylindrical brush rotatably supported by said arms and extending in spaced parallel relationship to said U-shaped channel, an elongated perforated tube secured to said one side wall of said U-shaped channel and directly overlying said cylindrical brush when said brush is lowermost, a finger operated valve member supported by said handle adjacent the U-shaped channel, and flexible tubes connecting said valve member to said perforated tube and to a liquid supply source.

2. The structure as set forth in claim 1, wherein said arms are spaced inwardly from the ends of said U-shaped channel and rotatably support a rod, said cylindrical brush including a central section carried by said rod between said arms and end sections carried by said rod and extending outwardly from said arms, said end sections being spaced slightly inwardly from the ends of said U-shaped channel and squeegee.

3. The structure as set forth in claim 2, wherein said central brush section supports a plurality of resilient disks of smaller diameter than said brush sections.

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