

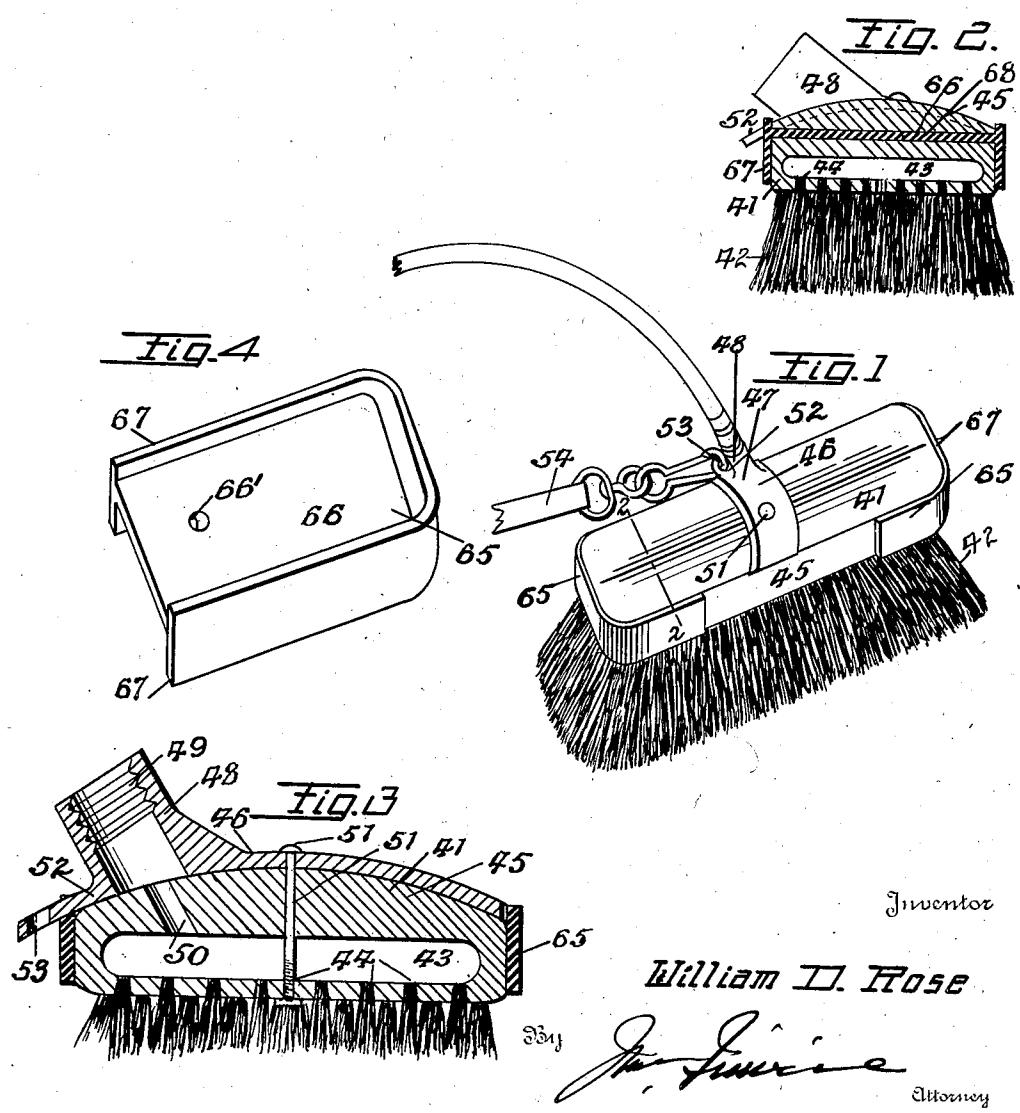
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BRUSH

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BRUSH

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1 Claim. (Cl. 15—128)

This invention is directed to an improvement in brushes and is designed particularly to provide a variety of brushes and attachments therefor to insure more effective use and result from the brush employed.

The primary object of the present invention is to provide a series of brushes, one of which is designed more particularly for hand operation, and capable of use in connection with the brush fluid, such as water or air, for use on the surface to which the brush is being applied, the brush being particularly designed to permit its use in connection with acids, perfumes, or the like, whereby the brush may be better adapted for special uses.

A further object of the invention is the provision of a ferrule designed more particularly in connection with a fountain brush, which ferrule provides a means for gripping the brush for use in a convenient and secure manner, and further provides for the introduction of a cleansing fluid at will for distribution through the fountain brush.

A further object of the invention is the provision of means by which the ferrule of the fountain brush may be flexibly connected to a fixture to prevent the falling of the brush in its use in external cleansing.

A further object of the invention is the provision of a removable bumper designed to be slidably connected with the brush body and frictionally held, without other fastening means, in position to safeguard any surface or article with which the brush may accidentally contact.

The invention is illustrated in the accompanying drawing, in which:

Figure 1 is a perspective view of a fountain brush showing the means for supplying fluid thereto and the flexible means for connecting the brush against complete release.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a transverse sectional view through the brush and ferrule.

Figure 4 is a perspective view of one section of the flexible bumper for use in connection with the brush.

In the drawing, I have illustrated the improvement applied to a conventional flat brush 41. The improvement in this particular resides in the ferrule to be connected to the brush for use in handling the brush, connecting it against complete loss or separation, and distributing a cleansing fluid to the bristles 42 of the brush. The brush body is hollow, providing a chamber 43, through the bottom wall of which openings

44 lead to the bristles. The upper wall 45 of the chamber is preferably convex on its upper surface and centrally recessed throughout its full width to receive a flat plate 46 of the nipple 47. 5 This nipple 47 is provided with an outstanding extension 48 which is interiorly threaded at 49 and which communicates through an opening 50 in the upper wall 45 of the brush head with the chamber 43. The extension 48 is arranged 10 at an inclination to the upper surface of the brush head and is positioned on one side edge of the brush, the inclination and positioning of the extension being such that when the brush head is grasped in the hand for use, the nipple 15 may be received between the thumb and first finger of the grasping hand to insure a more effective tension or grip of the brush head.

The nipple 47 is secured in the recess in the upper wall 45 of the brush head through the 20 medium of a bolt 51 which passes entirely through the brush head and is secured by a nut to facilitate convenient removal. The nipple is further provided with a laterally projecting lip 52 formed with an opening 53 to provide for the removable 25 connection of a strap, chain or the like 54 by which the brush, through the medium of the nipple, may be secured to any fixture, for example the safety belt of the user in the outside washing of the windows of buildings, in order to prevent 30 falling of the brush and consequent danger to pedestrians on the pavement below.

The flat brush head is provided with end and side buffer means, shown more particularly in Figure 4, and including duplicate end elements 35 65 comprising a flat plate-like section 66 and a marginal rim extending above and below the plate indicated at 67. The buffer elements are of rubber or like material and the brush head is slotted longitudinally of the upper wall 45. This 40 slot 68 is arranged to receive the plate-like section 66 of the buffer element which is moved longitudinally of the slot, so that the rim 67 overlies the end wall of the brush head and a material portion of the side walls.

45 Of course, the buffer elements are arranged at both ends of the brush head and such elements are preferably secured by a screw passing through the lower wall of the brush and also through an opening 66' in the plate-like section 66 of the buffer elements. The length and width of the buffers are so proportioned that when the plate-like section 66 is seated in its slot, the rim 67 bears squarely against the end and side walls of the brush. This constitutes a removable buffer 50 which will prevent injurious effect through any

contact of the brush body with an object during the use of the brush.

What is claimed to be new is:

A brush having a head of rectangular outline formed with an interior chamber, the upper wall of the chamber being of greater thickness than the lower wall, and being rounded transversely on its upper surface, bristles carried by and depending from the lower wall, a plate conforming and removably secured to the upper curved surface and extending throughout the transverse

to receive a flexible connector, a nipple carried by the plate at a point between the extension and the longitudinal center of the head, the nipple having communication with the chamber and being inclined upwardly and outwardly relative to the adjacent side edge of the head to serve as a handle for the manipulation of the brush, and a bumper at each end of the head and including a wall completely overlying the end portions of the head and *appropriate lengths of the side walls of the head*.