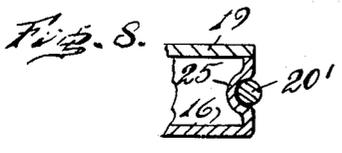
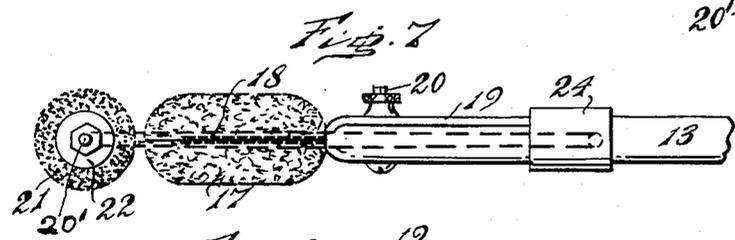
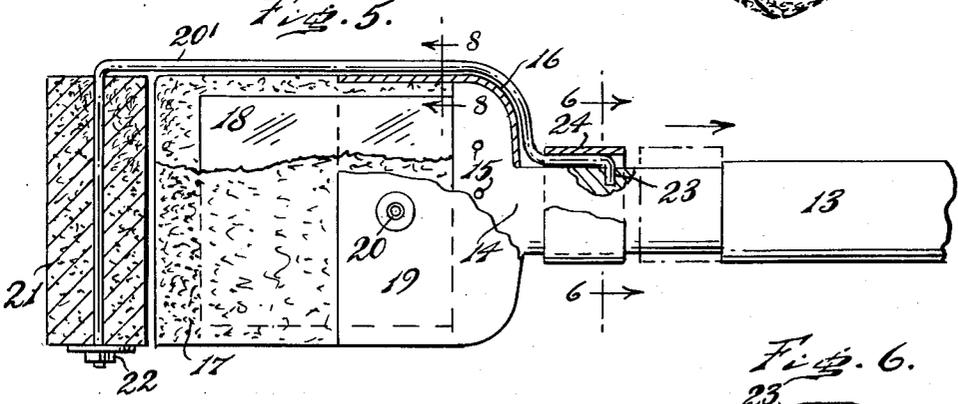
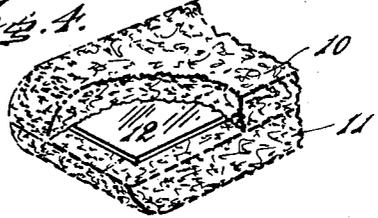
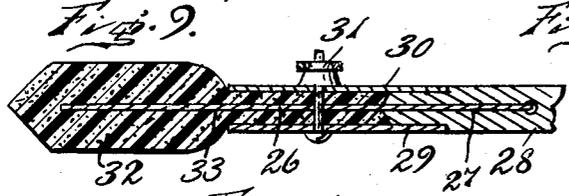
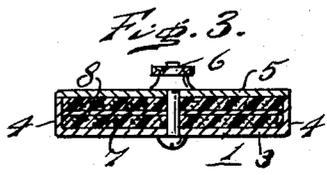
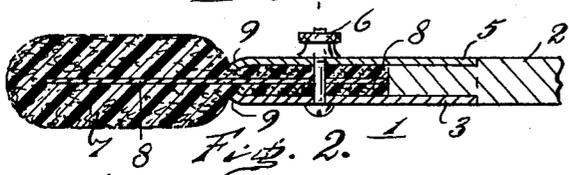
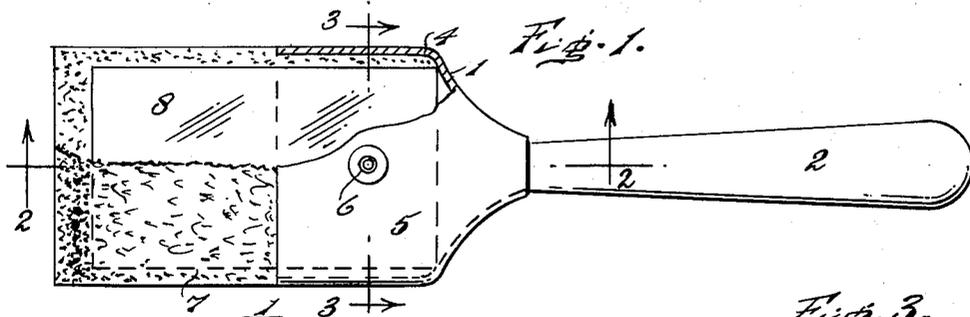


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P. S. VOSBIKIAN ET AL  
BRUSH HAVING A MAIN BRUSH AND A FLEXIBLY MOUNTED  
ROLL IN ADVANCE OF SAID MAIN BRUSH  
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INVENTORS  
Peter S. Vosbikian  
Thomas S. Vosbikian  
BY  
Herbert S. Fairbanks  
ATTORNEY

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2,946,073

**BRUSH HAVING A MAIN BRUSH AND A FLEXIBLY MOUNTED ROLL IN ADVANCE OF SAID MAIN BRUSH**

Peter S. Vosbikian and Thomas S. Vosbikian, both of Melrose, Pa.

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The object of our present invention is to devise a novel brush having a novel, replaceable applicator of suitable absorbent characteristics which is assembled with a flexible and resilient spring member of metal, plastic or other suitable material, the applicator and the spring member being detachably connected with a brush head. The spring member may be permanently fixed to the handle or removably connected therewith, and the applicator may be permanently fixed to the spring member or removably connected with it.

Since the applicator can be manufactured at a cost of a few cents, it can, when it becomes worn or clogged with paint or other material being applied, be discarded, and a new applicator applied to the spring member, or the applicator and spring member can be discarded for new ones.

A further object is to provide a novel construction and arrangement of an additional applicator in the form of a roll of absorbent material which will retain the treating material and can be simultaneously with the main applicator applied to a surface to be treated, said additional applicator having a novel mounting and locking arrangement whereby it can be removed when desired.

With the foregoing and other objects in view as will hereinafter clearly appear, our invention comprehends a novel brush having a removable applicator tensioned in a novel manner and having its tension caused by a spring member connected with it and with a handle.

For the purpose of illustrating the invention, we have shown in the accompanying drawings preferred embodiments of it which we have found, in practice, to give satisfactory and reliable results. It is, however, to be understood that the various instrumentalities of which the invention consists can be variously arranged and organized and the invention is not limited, except by the scope of the appended claims, to the exact arrangement and organization of these instrumentalities as herein shown.

Figure 1 is a plan view, partly broken away, of a brush with a removable applicator embodying the invention.

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

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is a perspective view, partly broken away, of another embodiment of applicator.

Figure 5 is a top plan view, partly broken and partly in section, of another embodiment of the invention.

Figure 6 is a section on line 6—6 of Figure 5.

Figure 7 is a side elevation of Figure 5.

Figure 8 is a section on line 8—8 of Figure 5.

Figure 9 is a longitudinal section of another embodiment of the invention.

Similar numerals of reference indicate corresponding parts.

Referring to the drawings:

1 designates a brush embodying our invention as shown in Figures 1 to 3 inclusive, the brush being provided with a handle 2 to which a clamping plate 3

having upstanding sides 4 is secured by a clamping plate 5 and a fastening device 6 of any desired character.

An applicator 7 consisting of a block of absorbent material, for example a cellular plastic, has a spring member 8 inserted into it from its rear end and is preferably glued on both sides to abutting portions of the applicator. This spring member may be formed in many different ways but as shown is in the form of a flexible and resilient spring plate having a clearance with the sides and front end of the applicator. The spring member 8 may be of spring metal, plastic or of any other suitable spring material.

The applicator is cut into to form a slit open at only the rear end of the applicator.

The front end of the handle 2 is preferably recessed on its top and bottom faces to receive the clamping members 3 and 5 which at their front ends converge towards each other as at 9 and define the flexing line of the applicator.

The spring member 8 is apertured to receive the bolt of the fastening device and abuts against the front end of the handle and the rear portion of the applicator is compressed between the clamping plates 3 and 5.

In Figures 1 to 3, the applicator is shown as a block of material having a slit opening through its rear end to receive the spring member, and in Figure 4, the applicator consists of two strips 10 and 11 between which a spring member 12 is secured by suitable adhesive or glue to form a unit of structure.

In the embodiment seen in Figures 5 to 8, inclusive, a handle 13 has an enlarged front end 14 secured by fastening devices 15 to a clamping plate 16, and an applicator 17 has a spring member 18 extending into it. The slit in the applicator 17 is closed at the front and at opposite sides so that the sides and front of the spring 18 are spaced from the sides and front of the applicator. The clamping means in Figs. 1, 2, 5 and 7 secure the rear ends of both the spring and applicator to the handle. A clamping plate 19 is clamped to the plate 16 by a fastening device 20 which passes through an aperture in the spring member 18. The construction thus far described in Figure 5 is substantially the same as corresponding parts of Figure 1. In Figures 5 to 8, an additional applicator is provided. A mounting rod 20' has a lateral stretch at its forward end on which a roll 21 of absorbent material is free to revolve, the roll being retained on said lateral stretch by a fastening device 22 of any desired construction. The rod 20' extends rearwardly along a side of the applicator and is deflected inwardly and then rearwardly to terminate in a laterally extending prong 23 received in an aperture in the handle. A locking sleeve 24 slidable on the handle locks the rod to or releases it from the handle. One of the clamping plates 16 or 19 and as shown the clamping plate 16 has a side flange deflected to form a groove 25 into which the rod 20' snaps to maintain the roll 21 in advance of and in longitudinal alignment with the applicator 17.

In the embodiments seen in Figs. 1 and 5, the spring member forms a unit of structure with the applicator, while in Figure 9 we have shown the spring member fixed to the handle and the applicator replaceable. The spring member 26 is driven into a slit 27 in the handle 28. The clamping plates 29 and 30 clamp the applicator 32 to the spring member and to the handle. The applicator 32 has a slit 33 to receive the spring member which latter is apertured to receive the bolt of the fastening device 31. The forward end of the applicator may have any desired shape being shown converging in Figure 9 and rounded in Figures 1, 5 and 7.

The applicators 7, 17 and 32 are shown as substantially rectangular in contour with flat sides but they may have any other desired contour in accordance with the work

which they are to accomplish. The applicators take the place of the conventional bristles and have the advantages that they do not drip and will carry a large amount of liquid, semi-paste or paste-like material being used to coat a surface.

Particular attention is directed to the novel spring member preferably embedded in the applicator and its mounting which defines a bending line at the front of the clamping plates, so that during painting or similar operations with a side contacting the work a flexible pressure is applied to about one-half of the applicator to feed the material thereto the surface to be treated.

When the roll is used, the coating material is simultaneously smoothed out by a side face of the main applicator when the handle is inclined at less than a right angle to the plane of the surface to be treated.

When the handle is inclined to the work, the rear portion of the longitudinal stretch of the rod 20' is in the groove 25 of clamping plate 19, so that the portion of the rod in advance of the clamping plate is free to bend and both the applicator and roll will contact the surface being treated. If abnormal pressure is applied to the handle when in an inclined position, the rod can move out of the groove and the rod is free to bend adjacent the sleeve 24.

It will further be apparent that the roll can be quickly removed without the aid of tools when only the main applicator is to be used.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A brush comprising an applicator in the form of a substantially rectangular block of absorbent, resilient material having a slit spaced from its front and opening through its rear end, a flat, flexible spring substantially filling said slit with its front and side edges spaced from

the front and side walls of the applicator, a handle, means to secure the applicator and spring to the handle, a roll mounting rod having its inner end detachably connected with the handle and having a stretch extending along a side of the applicator and terminating in a lateral stretch in front of the applicator, and an absorbent roll mounted on the lateral stretch.

2. The construction defined in claim 1, wherein side walls of the slit are closed.

3. The construction defined in claim 1, wherein the handle has an aperture, the rod has a deflected portion to be received in said aperture, and a sleeve slidable on the handle and over the rod locks the inner end of the rod to the handle.

4. The construction defined in claim 1, wherein the means for securing the applicator and spring to the handle includes a clamping device extending over only the rear portions of the applicator and spring and has a side groove to receive the mounting rod and retain it in assembly with the applicator.

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