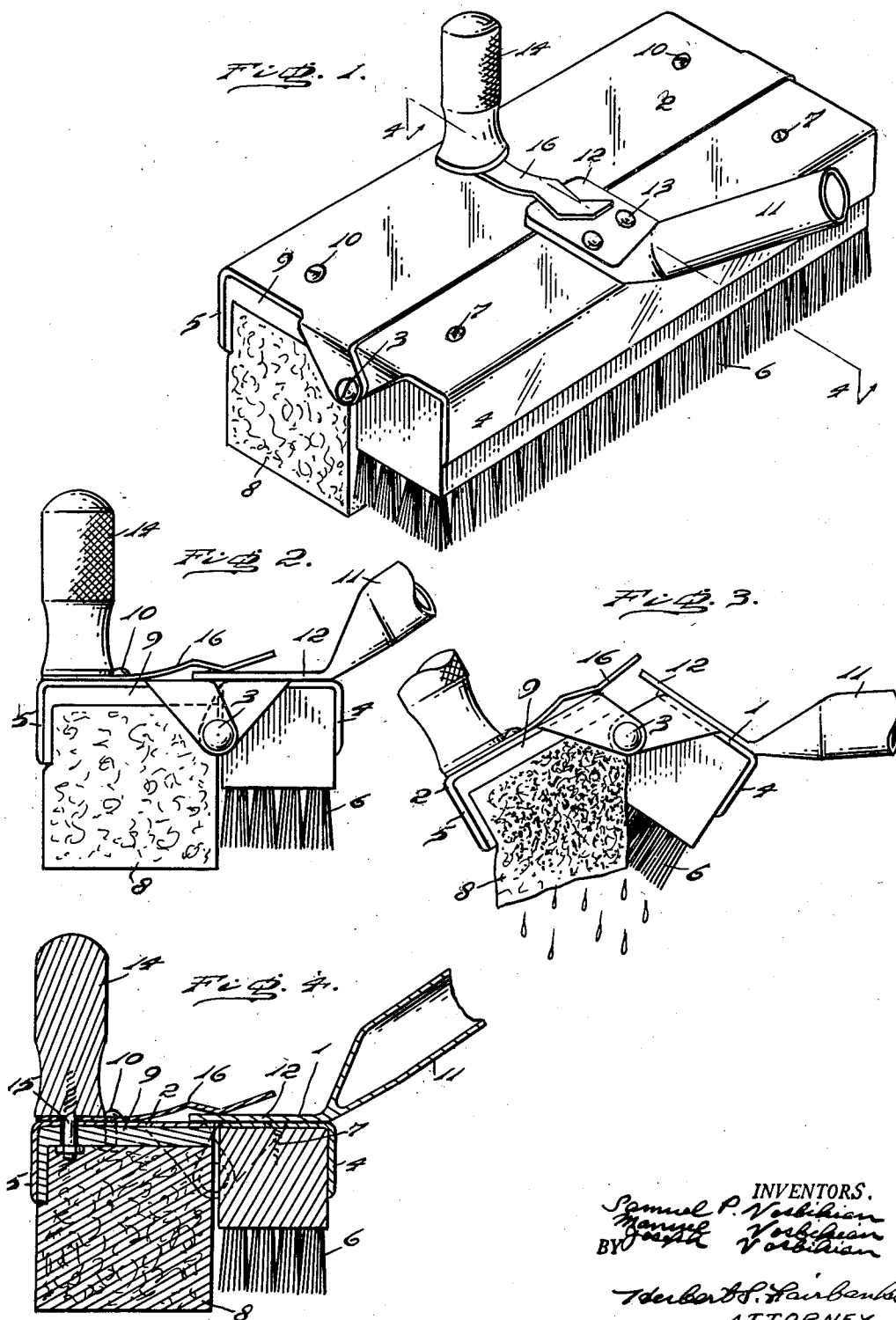


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S. P. VOSBIKIAN ET AL
MOP HAVING SECTIONAL HEAD WITH
CONTRASTING CLEANING MATERIAL
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INVENTORS.
Samuel P. Vosbikian
Marcel Vosbikian
BY Joseph Vosbikian
Herbert S. Fairbanks
ATTORNEY.

UNITED STATES PATENT OFFICE

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MOP HAVING SECTIONAL HEAD WITH
CONTRASTING CLEANING MATERIALSamuel P. Vosbikian, Manuel Vosbikian, and
Joseph Vosbikian, Melrose, Pa.

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1 Claim. (Cl. 15-116)

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The object of this invention is to devise a novel mop having mop material of different characteristics, one portion being flexible, resilient and liquid absorbent, and another portion being stiffer and less flexible, said portions being mounted for relative movement towards and away from each other, whereby when moved towards each other by the operator the dirty water will be pressed out of the mop material.

By having the head sections movably connected, it is not necessary to employ a strainer in a pail or bucket against which the mop material is pressed to extract the dirty water therefrom, and the hands of the operator do not come into contact with the dirty water.

One of the head sections is provided with mop material such as cellulose sponge, sponge rubber, felt, cotton or wool or other textile material of a soft and water absorbing quality, and another head section is provided with mop material which is stiffer and less compressible to provide a more efficient scrubbing action, such as for example a bristle brush.

We have found as a result of numerous experiments that a very efficient mop can be fabricated for the intended purpose if the head sections are hinged together so that the mop material on one section will be in advance of the mop material on the other section, whereby when the sections are turned towards each other the mop material will be compressed and the dirty water extracted. Means are provided to retain the head sections in operative alignment.

With the foregoing and other objects in view, as will hereinafter clearly appear, our invention comprehends a novel mop.

It further comprehends a novel mop having head sections movably connected to be moved towards and away from each other, the sections being preferably provided with mop material having different water absorbing characteristics, and normally retained side by side with one section in advance of the other, and novel means to retain the sections in their operating positions.

For the purpose of illustrating the invention, we have shown in the accompanying drawings a preferred embodiment 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 to the exact arrangement and organization of these instrumentalities as herein shown.

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Figure 1 is a perspective view of a mop, embodying our invention.

Figure 2 is an end elevation.

Figure 3 is an end elevation showing the head sections turned towards each other to effect the extraction of the dirty water.

Figure 4 is a section on line 4-4 of Figure 1. Similar numerals of reference indicate corresponding parts.

Referring to the drawings:

The mop has head sections 1 and 2 movably connected together so that they can be moved towards and away from each other. As shown, the head sections have downwardly deflected, overlapping portions connected by pivot pins 3.

Each head section is preferably formed from sheet material, the head section 1 having at its forward edge a downwardly deflected flange 4, and the head section 2 having at its rear edge a downwardly deflected flange 5.

One of the head sections, for example the head section 1 carries a brush 6, the head block of which is detachably connected with its head section by fastening devices 7 such as for example the screws shown.

In a similar manner, the head section 2 has water absorbing material 8 fixed in any desired manner to an I shaped head 9, detachably connected with the head section 2 by fastening devices 10, such as for example the screws as shown.

A handle socket 11 adapted to receive a conventional handle is fixed to the head section 1 by fastening devices 13 and has a plate 12 which overhangs the head section 2.

The head section 2 has a handle 14 of any desired construction fixed to it by a fastening device 15 which also passes through a flat spring 16 which is reversely bent at its free end portion to bear against the plate 12 and retain the sections in operative alignment.

The absorbing material 8 is usually of greater compressibility than the bristles of the brush and is therefore of greater depth than that of the brush.

The operation will now be apparent to those skilled in this art and is as follows:

The mop is dipped in water containing any desired cleaning material and is moved over the surface to be cleaned. If there are spots or areas where the foreign material is adhering to the surface to such an extent that it cannot be removed by the action of the mop material, the scrubbing action of the bristles of the brush is effective to remove such foreign material. The

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dirty water is soaked up by the absorbing material 8.

In order to remove the foreign material and dirty water from the mop material, the operator while holding the handle in one hand grasps the handle 14 with his other hand and turns the head sections 1 and 2 towards each other, thereby compressing the mop material as shown in Figure 3. The head sections are then returned to their operating position and the spring 16 retains them in operative alignment as shown in Figure 1.

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

In a mop, rectangular front and rear head sections disposed side by side and having at opposite ends downwardly deflected flanges pivoted together at each end of the sections, a rectangularly shaped block of sponge material having a back fixed to the bottom of the front head section, a rectangularly shaped brush fixed to the bottom of the rear head section, a handle socket fixed to the rear head section and overhanging the front head section and having a portion bearing against the front head section when the sections are in horizontal alignment, a handle fixed to the front section, and a spring fixed at one end to the front section and at its other end bearing against said handle socket portion when the device is in op-

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erating position to maintain horizontal alignment of the sections, the bristle of the brush terminating above the bottom face of the sponge material whereby downward pressure on either the handle or handle socket compresses the sponge material to bring both sponge material and bristles into cleaning contact with a surface to be cleaned, and a downward swinging movement of the sections causing the bristles to compress the sponge material to extract liquid therefrom.

SAMUEL P. VOSBIKIAN.
MANUEL VOSBIKIAN.
JOSEPH VOSBIKIAN.

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