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S. M. ARNOLD ET AL

1,890,894

SPONGE BRUSH

Filed May 20, 1931

Fig. 1.

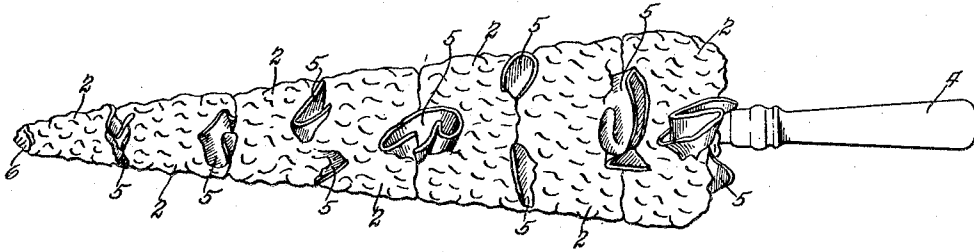


Fig. 2.

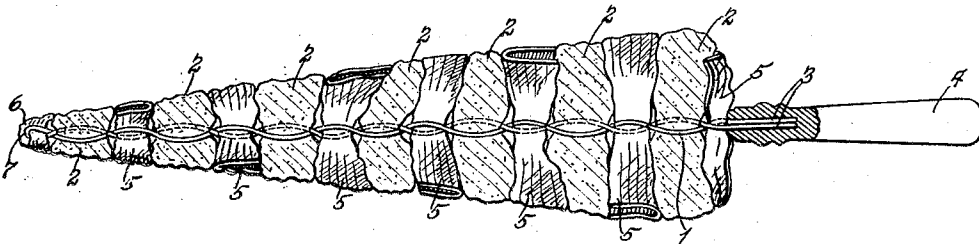


Fig. 3.

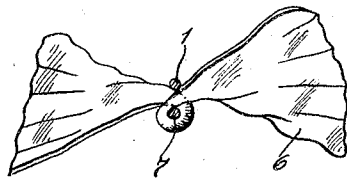


Fig. 4.

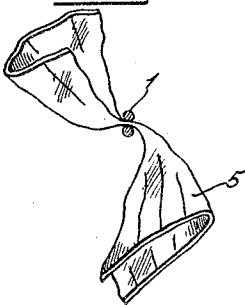
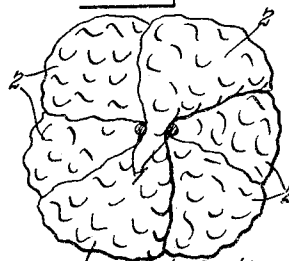


Fig. 5.



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UNITED STATES PATENT OFFICE

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SPONGE BRUSH

Application filed May 20, 1931. Serial No. 538,706.

This invention relates to sponge brushes. An object of this invention is to incorporate sponge sections, or whole sponges, into an implement provided with a handle in order that they may be formed into convenient shapes and conveniently used.

Another object of this invention is to incorporate sections of sponges, or whole sponges, into an implement of the character described by means of a twisted wire and to provide means to prevent the wire when twisted from shearing the sponge material.

Other objects will be apparent from the following detail description taken in connection with the accompanying drawing, in which—

Fig. 1 is a plan view of the brush.

Fig. 2 is a longitudinal cross section.

Fig. 3 is a section through the tip.

Fig. 4 is a cross section.

Fig. 5 is a cross section similar to Fig. 4 but taken on a different plane.

A wire 1 is folded over itself and twisted in order to secure the sponge material between its folds. Sponges or sponge sections 2 are inserted and held between the folds and preferably these sections are of decreasing size from the tip to the handle, as clearly shown in the drawing, Figs. 1 and 2. The free ends 3 of the wire are inserted and held in a handle 4, as best shown in Fig. 2.

We have found in actual practice that unless some means are provided to prevent the wire from shearing the sponge material, the brush when used on rough work is of comparatively short life. In order to overcome this difficulty strips of chamois 5 are inserted between the folds of the wire where the wires cross, thus leaving a considerable space between the folds of the wire for the sponge sections 2 and preventing the folds of the wire from shearing the sponge material.

The tip end of the brush is protected by a piece of chamois 6 twisted around the tip loop 7, as best shown in Fig. 3, thus preventing the bare wire from striking and scarring the material upon which the implement is used.

It will thus be seen that an instrument has been provided which may be economically manufactured, and which has incorporated

in it sections of sponges, and that means have been provided which add to rather than detract from the usefulness of the brush and which effectually prevent the wires used in the construction of the brush from shearing the sponge material.

It will be obvious that parts of the invention may be used without the whole, and that various changes may be made in the details of construction, within the scope of the appended claims, without departing from the spirit of this invention.

We claim:

1. An implement of the character described including a wire folded and twisted, a plurality of sponge sections secured between the folds of the wire, strips of tough non-metallic material interposed in the folds at the points where the wire crosses itself, and a handle secured to the free ends of the folded wire.

2. An implement of the character described including a wire folded and twisted, a plurality of sponge sections secured between the folds of the wire, strips of chamois secured between the folds of the wire at points where the wire crosses itself, and a handle secured to the free ends of the wire.

3. An implement of the character described including a wire folded and twisted, a plurality of sponge sections secured between the folds of the wire, strips of chamois secured between folds of the wire at points where the wire crosses itself, a strip of chamois twisted about the tip fold of the wire, and a handle secured to the free ends of the wires.

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