

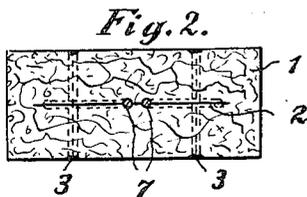
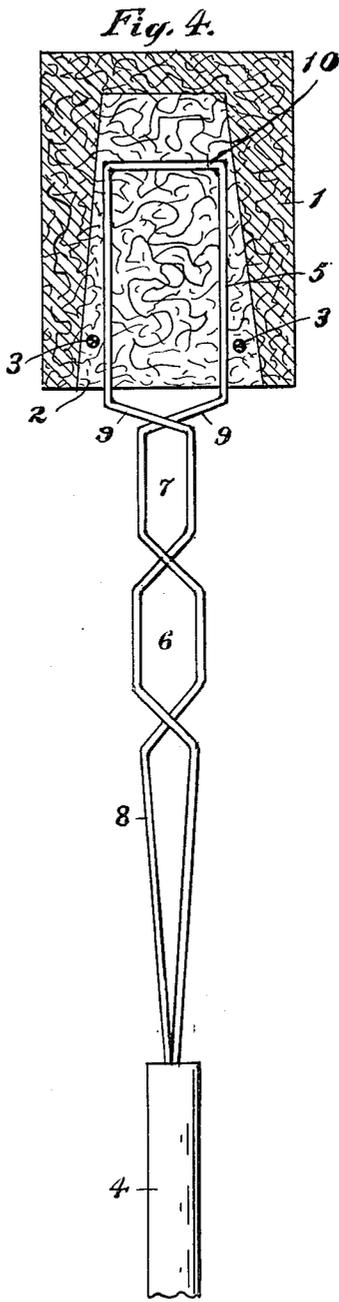
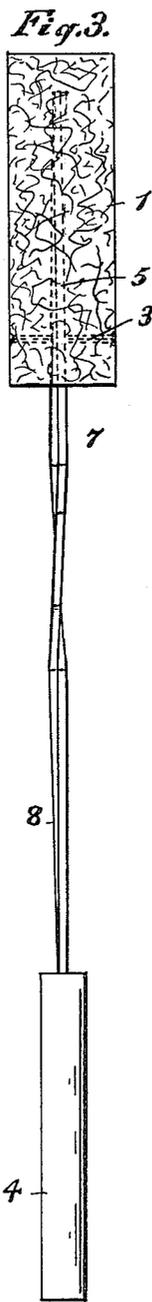
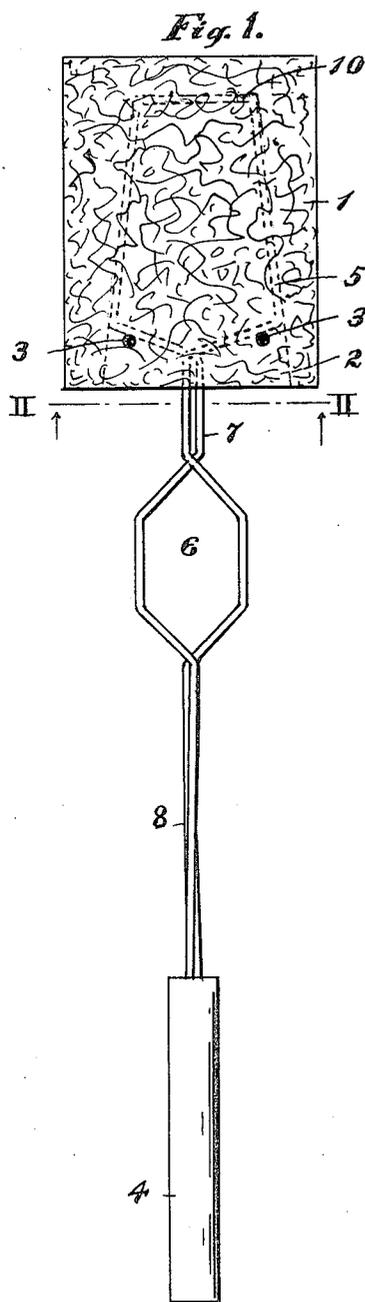
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MOP PAD HAVING A POCKET RECEIVING A DETACHABLE HANDLE

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MOP PAD HAVING A POCKET RECEIVING A DETACHABLE HANDLE

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2 Claims. (Cl. 15—244)

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My invention is directed to certain improvements in mops in which the pads and handles are separable.

An object of my invention is to provide a mop in which a pad of suitable material, shape and size may be removably secured to a handle, said pad having a slit therein of the desired shape opening through the inner end thereof, for the reception of the spring wire outer loop of the said handle.

Another object is to provide said outer loop of the handle with opposite shoulders, preferably inclined, for normal engagement by abutments which extend across the slit in the pad near the inner open end thereof, which abutments are spaced from the sides and open end of the said slit.

A practical embodiment of my invention is represented in the accompanying drawings, in which:

Fig. 1 represents a front view of the mop with the pad locked to its handle;

Fig. 2 represents a cross-section taken in the plane of the line II—II of Fig. 1, looking in the direction of the arrows;

Fig. 3 represents an edge view of the mop, and

Fig. 4 represents a view similar to Fig. 1, with the pad released from its locking engagement with the handle and partly removed therefrom, the body being shown in section in the plane of the handle-receiving slit.

The pad, denoted by 1, may be of any suitable material, preferably an absorbent material such, for instance, as cellulose sponge.

This pad has a slit 2 opening through the inner end of the pad, said slit being shown as flared.

Two abutments 3, 3, extend across the slit 2 near its flared inner end, which abutments are spaced from the sides of the slit. These abutments 3, 3, are preferably of non-metallic material as, for instance, bunches of thread formed by stitching the thread back and forth through the pad at the desired locations.

The removable handle of the mop is shown as including a hand piece 4 of the desired length and material, and a spring wire which is doubled upon itself and shaped to form a normally expanded collapsible outer loop 5, a normally expanded collapsible inner loop 6, an intermediate portion 7 operatively connecting the outer and inner loops, and a shank 8 provided with a normally collapsed loop and having its wire ends secured in said hand piece 4.

The normally tapered outer loop 5 is shown of general oblong rectangular shape to fit snugly within the slit 2 of the pad, the inner end of the said loop being shaped to form two oppositely inclined shoulders 9, 9, which overlap and engage the abutments 3, 3, to releasably lock the pad to the handle.

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To remove the pad from the handle, the inner loop 6 is manually collapsed to collapse the outer loop 5 sufficiently to free the shoulders 9, 9 from engagement with their abutments 3, 3, and thus permit the separation of the pad and handle.

It will be noted that the outer end 10 of the outer loop 5 is shorter than the distance between the abutments 3, 3, to permit the ready passage of the loop between said abutments when the pad and handle are being separated.

It is evident that various changes may be made in the construction, form and arrangement of the several elements, without departing from the spirit and scope of my invention.

What I claim is:

1. In a mop, a pad having a handle-receiving slit open through the inner end thereof, two opposite abutments extending across said slit near its inner end and spaced from each other and from the sides of the slit, and a removable handle comprising a spring wire doubled upon itself and crossed to form a normally expanded outer loop provided with shoulders for engaging said abutments, a normally expanded manually collapsible inner loop, a normally collapsed intermediate loop operatively connected to the inner end of the outer loop and the outer end of the inner loop, and a shank having a normally collapsed loop operatively connected at its outer end to the inner end of the inner loop.

2. In a mop, a pad having a handle-receiving slit open through the inner end thereof, two opposite abutments extending across said slit near its inner end and spaced from each other and from the sides of the slit, and a removable handle comprising a spring wire doubled upon itself and crossed to form a normally expanded outer loop provided with shoulders for engaging said abutments, a normally expanded manually collapsible inner loop, a normally collapsed intermediate loop operatively connected to the inner end of the outer loop and the other end of the inner loop, a hand piece and a shank having a normally collapsed loop operatively connected at its outer end to the inner end of the inner loop, the wire ends of said shank being secured to said hand piece.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
602,592	Widness	Apr. 19, 1898
1,407,102	Viden	Feb. 21, 1922
1,420,180	Casmire	June 20, 1922
1,637,595	Sturgis	Aug. 2, 1927
2,075,345	Jelliffe et al.	Mar. 30, 1937
2,517,213	Kautenberg	Aug. 1, 1950