

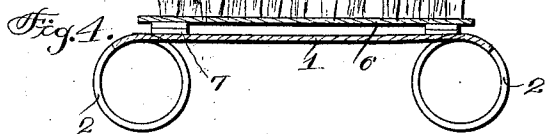
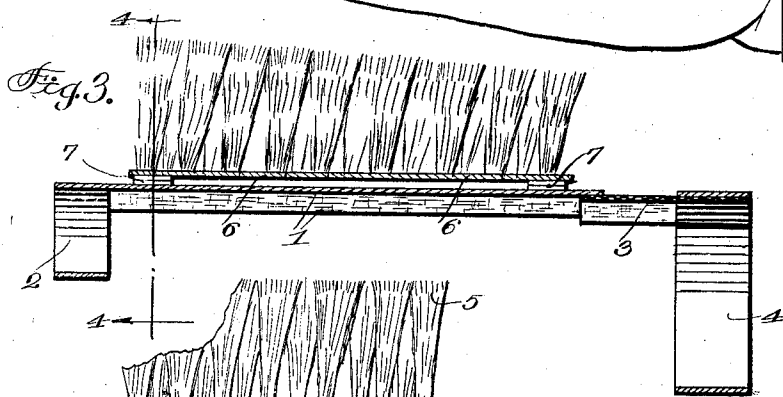
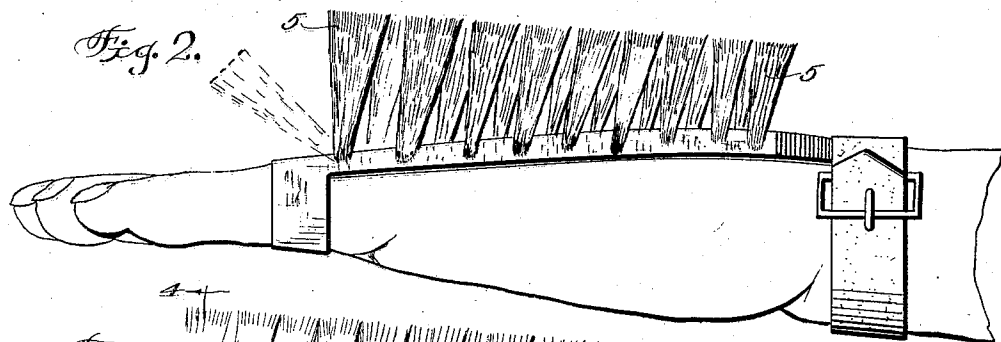
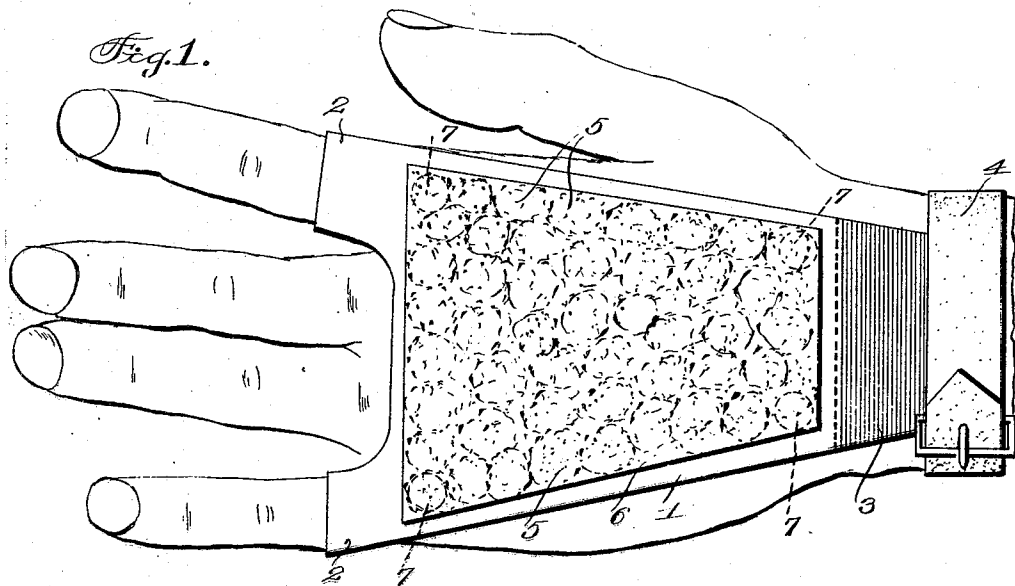
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A. H. HATCHETT, SR

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BRUSH

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INVENTOR
Andrew H. Hatchett, Sr.
BY *Mum & Co.*
ATTORNEY

UNITED STATES PATENT OFFICE

ANDREW H. HATCHETT, SR., OF CLEVELAND, OHIO

BRUSH

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This invention relates to brushes, and is more particularly concerned with a hand or glove type brush especially adapted for surface cleaning purposes and so arranged as to expedite work and save lost motion by mounting the brush upon the back of the hand leaving the palm free for flexure to do other work with the back of the hand used on the return stroke.

Such brushes are advantageously used in connection with wall and wall paper cleaning which in many sections of this country has developed into a well known and extensively practised trade. The palm of the hand holds the cleaning dough or wall scrubbing element and as the end of the cleaning or scrubbing stroke is reached, the wrist is turned and the brush mounted on the back of the hand is brought against the paper or wall on the back stroke brushing off the particles of cleaning dough or loosened dirt from the wall. The back or return stroke of the hand for the initiation of a second cleaning stroke with the palm may therefore be utilized for brushing with lost motion prevented and the work greatly expedited.

An object of the invention is the provision of a brush having a flexible backing or mounting permitting bending and accommodation to the closing and flexing of the hand and wrist. Such a flexible backing causes a bending or angular inclination of the brush bristles so that they may be inserted in corners and angles.

A further object of the invention is the provision of a flexible brush mount having attached finger loops and a wrist encircling strap flexibly joined thereto.

Since different forms of brushes and types of bristles are used for different classes of cleaning work, I have provided as a further feature of my invention, a flexible backing to overlie the back of the hand having provision for attachment to the fingers and wrists, and a flexible brush pad, with means for detachably connecting the brush pad to the backing. A number of brush pads having brushes adapted to different classes of

work may therefore be interchangeably used with the one backing.

The invention is described in detail in the following specification which is to be read in conjunction with the accompanying drawings forming part thereof, and in which:—

Figure 1 is a top plan view of a brush constructed in accordance with the present invention and applied to the back of a hand.

Figure 2 is a side elevation of the brush so applied, the angular inclination of the brush bristles through closing of the hand being indicated in dotted lines.

Figure 3 is a longitudinal vertical section through the flexible backing and a detachable flexible brush pad, the hand being omitted.

Figure 4 is a transverse vertical section through the flexible backing and brush pad taken on line 4—4 of Figure 3.

In Figures 1 and 2, I have shown a flexible backing pad 1 to overlie the back of the hand and preferably tapering outwardly from its inner or wrist end and provided with two or more integral depending finger loops 2 through which, as shown, the first and fourth fingers are inserted. The rear end of the pad terminates adjacent to the wrist and has stitched or otherwise fixed thereto, the edge of a section 3 which may be elastic woven fabric. This fabric section is attached to the wrist embracing strap 4 and provides a flexible connection between the wrist strap and the pad body, yielding when the wrist is flexed in the actual use of the brush. The tufts or bristles may have their bases imbedded directly in the flexible backing pad 1 as shown in Figure 2, but since the type and arrangement of bristles may vary for different classes and character of work, and to provide for ready and economical replacement of the bristles when worn, they may be mounted upon a separate pad 6, Figures 1, 3 and 4, and detachably connected to the backing pad 1 by suitable fasteners such, for example, as the detachably interlocking "snap fasteners" 7 shown more particularly in Figures 3 and 4. In order to permit the flexing of the brush pad 6 through the bending of the hand, these fasteners are, as shown,

attached at the opposite ends of the brush pad. The flexible backing 1 or backing pad 6 will in either case when the hand is closed as shown, over cleaning dough, flex with the closing of the hand, the flexing of the pads 1 or 6 causing the bristles at the front to be angularly inclined as suggested in dotted lines in Figure 2 so that the line of bristles at the end of the pad will enter into a corner or angle otherwise inaccessible. The use of the brush in practise is very obvious. Assuming that the palm of the hand is holding paper cleaning dough or other composition, the operator makes the usual cleaning stroke with the dough and at the end of the stroke turns the wrist and draws the bristles 5 on the pad at the back of his hand back across the surface traversed by the cleaning dough on the forward stroke, thereby utilizing both motions of the hand for actual work and saving lost motion. This operation is continuously repeated in the cleaning operation and results in a very substantial saving of time. The construction itself is a simple one and lends itself readily to economical manufacture. While the specific structural form disclosed represents a preferred physical embodiment of the invention, it may be modified and adapted to different conditions in manufacture and use within the spirit of the invention and the scope of the appended claims.

What I claim therefore and desire to secure by Letters Patent is:—

1. A surface brushing attachment for the back of the hand between the finger bases and wrist comprising a flexible pad shaped to cover the back of the hand from the bases of the fingers rearwardly to the wrist with clearance for the thumb, the front end of said pad having depending finger loops to encircle fingers at their bases, and its rear end having a wrist embracing strap element.
2. A surface brushing attachment for the back of the hand between the finger bases and wrist comprising a flexible base pad shaped to cover the back of the hand rearwardly from the finger bases and tapering inwardly to the rear to clear the area of the thumb portion of the hand back, the front end of said base pad having transversely spaced depending finger loops and its rear end having a wrist embracing strap element, and a flexible brushing pad detachably mounted on, and overlying said flexible base pad.
3. A surface brushing attachment for the back of the hand between the finger bases and wrist comprising a flexible pad shaped to cover the back of the hand rearwardly from the bases of the four fingers and tapered inwardly from its front end to clear the area of the thumb portion of the hand back leaving the thumb freely movable, the rear end of said pad having wrist embracing means

and the front end of the pad at opposite sides having forwardly extended tubular finger loops depending from the plane of the pad to embrace the first and fourth fingers at their bases, the front edge of the pad intermediate of said loops being cut back to clear the bases of the second and third fingers.

ANDREW H. HATCHETT, Sr.