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PATENTED OCT. 4, 1904.

W. A. GEEN.

BRUSH.

APPLICATION FILED DEC. 3, 1903.

771,725

FIG. 1.

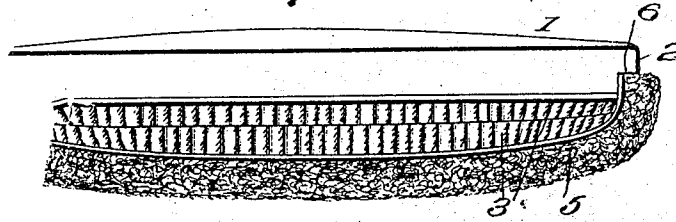


FIG. 2.

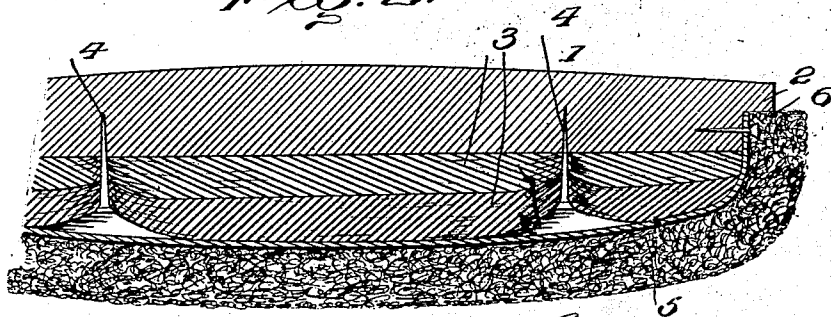


FIG. 3.



FIG. 4.

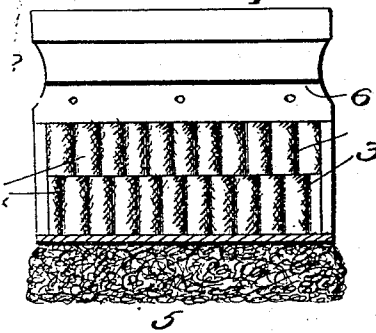
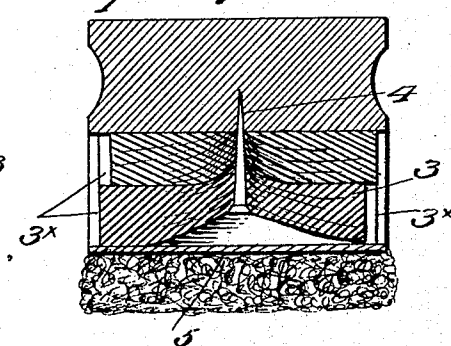


FIG. 5.



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WILLIAM A. GEEN, OF ROCHESTER, NEW YORK.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 771,725, dated October 4, 1904.

Application filed December 3, 1903. Serial No. 183,602. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. GEEN, a resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Brushes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

The invention relates to brushes, cleaners, and polishers for shoes, harness, trunks, bags, bicycles, and other articles, and has for its object to simplify the construction and increase the efficiency of such devices.

The invention consists in the matters herein described and pointed out.

In the accompanying drawings, Figure 1 is a side elevation of the improved brush. Fig. 2 is a longitudinal section. Fig. 3 is a partial plan of a felt pad. Fig. 4 is an end elevation, the sheepskin cover being in section; and Fig. 5 is a cross-section taken near a felt-securing pin.

Numeral 1 denotes a wooden back of usual form except that it is provided with an extension or overhanging part 2 at each end.

3 denotes pads of felt, each about three-eighths to one-half of an inch in thickness and nearly as long as the under part of the back. Two of these pads are placed one upon the other and secured by tacks 4 to the back at two points near its end, as indicated. These pads are fluted on the edges, as indicated, and when compressed one upon the other the outer parts 3^x of each pad are pressed between adjacent parts 3^x of the other pad, with the effect that the edges of the pads are compressed to a greater extent than their main central or body portion, thereby rounding their surfaces at and near their edges and providing that a cover consisting of animal-skin with wool or natural covering may be made to overhang the edges and protect them from blacking or polishing material or dirt. The compressibility of each pad is increased by the scalloping or fluting of its edges and is insured in case of a plurality of coacting pads by the alternate arrangement or situation of

the parts 3^x, which automatically result from the compression of one pad upon another. A cover of skin retaining its wool or natural covering is preferred, and such cover when applied as set forth presents a rounded surface of wool which effectually protects the felt and is most suitable for the uses of the article.

5 denotes a strip of undressed skin, and preferably of lamb or sheep skin with the wool thereon. After the pads of felt have been secured to the back, as stated, and the layers of felt thereby compressed toward their ends the skin is placed upon them and tacked to the back immediately under the extension 2 of the back in a recess 6 thereunder. The strip of skin is drawn over the ends of the felt pads in manner to compress them between the ends of the back and the tacks 4, whereby a rounded surface is given to the combined skin and felt body attached to the back. The tacks, situated as before stated and as shown, cooperate with the skin, secured in manner stated, and give a decided and desirable degree of curvature to the thick body of felt, skin, and wool. The compression of the felt toward or at the ends of the brush and the resulting increase of density adapts said end portions for heavier uses than those ordinarily required of the more compressible and elastic central portion, which latter is more suitable for lightly polishing, brushing, or cleaning. In case the wool is worn away or clogged by dirt it can be easily replaced by substituting a fresh strip of skin. The skin, especially as it is provided with wool, is less permeable to various materials used for polishing or dressing than are woven fabrics heretofore employed as a cover for felt in brushes, and it therefore better protects the felt from soiling. The double thickness of felt, each being made approximately half an inch thick, imparts a desirable resiliency to the brush.

The described construction is such that it can be freely used for cleaning, brushing, rubbing, or polishing various articles with or without distinct polishing, cleaning, coating, or other material, and, what is important, it

can be used without danger of marring articles that are operated on or others in proximity and without soiling the hands.

I am aware that sheepskin has been secured
5 to a back to constitute a blackboard-cleaner
and that leather and cloth have been temporarily secured over felt and on a back having
an undercut seat for a leather-retaining hoop
situated in said seat. By my improvement
10 the wool of the skin secured in an undercut
seat at the ends of the back only projects beyond
said ends in manner to prevent the back
ends coming in contact with the article on
which the brush is applied. Further, the
15 double thickness of felt fluted to increase compressibility
at their edges coöperating with the wool of the skin
which extends slightly beyond the fluted edges of the felt
imparts a rounded rubbing-surface, and sharp edges
20 are thus obviated at the sides, as well as at the ends.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

25 1. In a brush, a back, a felt pad, and a pad-cover having free side edges and constituting a brushing-surface, said pad being compressed near its ends by fastening devices and the parts between the fasteners of the pad and

the proximate ends of the brush further compressed by the cover fastened to the said ends. 30

2. In a brush, a back, a felt pad, and a pad-cover constituting a brushing-surface, said pad having fluted edges whereby said edges are made more compressible. 35

3. In a brush, a back, a plurality of felt pads, and a pad-cover constituting a brushing-surface, said pads having fluted edges whereby said edges are made more compressible. 40

4. In a brush, a wooden back having the overhanging end extensions, a plurality of felt pads tacked to the back near its ends, a pad-cover consisting of a strip of animal-skin with its natural covering, said pads being narrower than the back and narrower than the strip and having fluted edges, and fastening devices securing the strip to the back under the extensions, said natural covering of the strip of skin extending outside of the back, 45 both at its sides and ends. 50

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WILLIAM A. GEEN.

Witnesses:

E. P. MULLARKY,
GEO. F. WIER.