M. H. MOORE.

BRUSH.

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1,409,229. Patented Mar. 14, 1922.

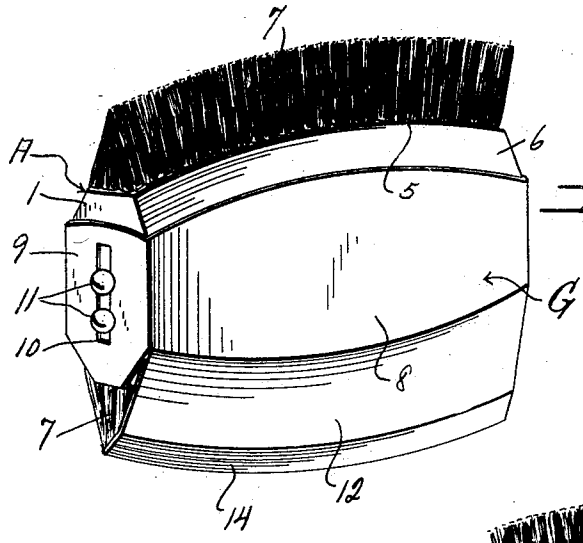


Fig. 1.

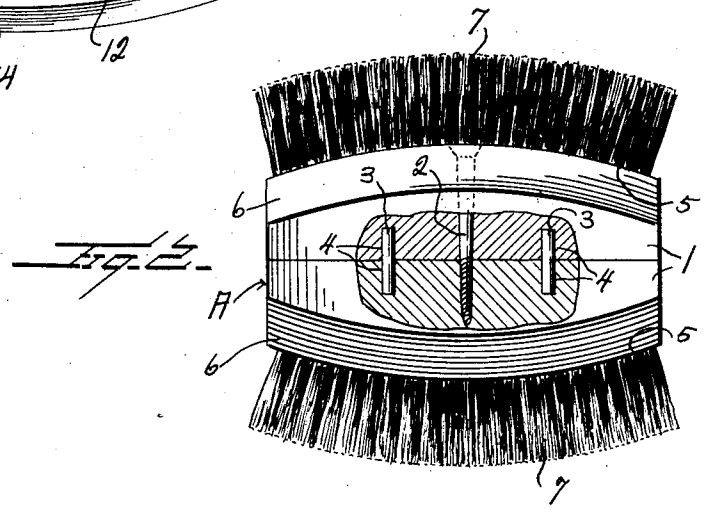


Fig. 2.

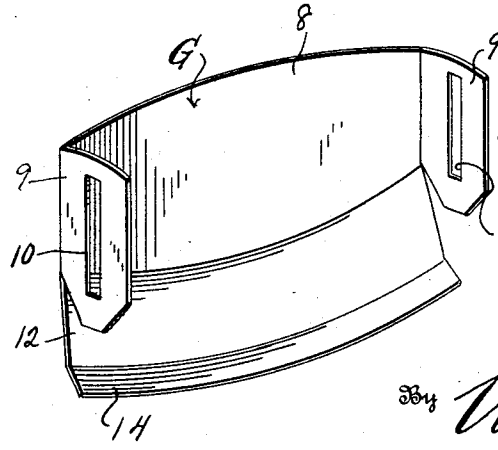


Fig. 3.

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BRUSH.

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To all whom it may concern:

Be it known that I, MILLARD H. MOORE, a citizen of the United States, residing at Hudson, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Brushes, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in brushes and has relation more particularly to a device of this general character especially designed and adapted for use in the staining and polishing up of a shoe in the last stages of manufacture and particularly wherein the welt or the stitching is of a color different from that of the upper of a shoe, and it is an object of the invention to provide a novel and improved device of this general character including a guard carried by the brush to prevent the stain or dressing, when applied to the shoe upper by the brush, from smirching or soiling the shoe welt or the stitches disposed through the welt or to protect the upper from being smirched or soiled when the brush is used to stain the welt after said welt has been built in the shoe structure.

The invention also has for an object to provide a novel and improved device of this general character which permits the "treer" to polish up or finish a shoe with greater expedition than is possible by the methods now generally employed.

An additional object of the invention is to provide a novel and improved device of this general character comprising two brushing members detachably connected back to back so that either of said brushing members can be readily replaced when required and particularly when the bristles of said brushing members have become unduly worn or otherwise unfit for use.

Furthermore, it is an object of the invention to provide a novel and improved device of this general character embodying a guard plate applied in a manner to partly enclose or house the bristles of the brush to facilitate the use of the brush by a "treer" or dresser and to prevent soiling or smirching of the welt or the stitches disposed through the welt or to protect the upper from being smirched or soiled when the brush is used to stain the welt after said welt has been built in the shoe structure.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved brush whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a view in perspective of a brush constructed in accordance with an embodiment of my invention;

Figure 2 is a view in side elevation of the brush as herein disclosed with a portion broken away; and

Figure 3 is a view in perspective of the guard forming part of my present invention.

My improved brush as herein disclosed comprises in its entirety two brush members A, each of which embodies a back 1. When the brush is assembled, the backs 1 of the brush members abut and are detachably held one to the other by the screw 2 disposed through said backs 1 at substantially the center of the backs 1. The backs 1 at opposite sides of their centers are provided with the coacting dowels or pins 3 and recesses or pockets 4 whereby the applied or assembled brush members are effectively maintained in superimposed relation and held against rotary or swinging movement one independently of the other.

The outer edge or face 5 of the back 1 of each of the brush members is arcuate in form with the bow outwardly directed and the marginal portions of said faces 5 are beveled or tapered, as at 6. The outer or restricted portion of the face 5 has extending outwardly therefrom the bristles 7, said bristles preferably being arranged in four rows extending lengthwise of the face 5, although it is to be understood that when desired a different arrangement may be employed.

G denotes a guard and which guard embodies a plate 8 which is adapted to overlie a side of the assembled backs 1 and which plate 8 is provided at its opposite ends with the substantially perpendicularly related

wings 9 which overlie the ends of the backs 1. The wings 9 are provided with the slots 10 disposed in a direction transversely of the plate 8 and disposed through said slots 10 are the clamping or set screws 11 engaged with the adjacent ends of the backs 1. The slots 10 and the coacting screws 11 provide means whereby the guard G may be adjusted in accordance with the necessities of practice.

The outer marginal portion of the plate 8 is continued by an inwardly inclined plate 12 of a length substantially coextensive in length with the length of the plate 8. This plate 12 is disposed, when the guard G is applied, in close proximity to the bristles 7. The outer marginal portion of the plate 12 is defined entirely therealong by an inwardly directed flange 14 which overlies the outer ends of the bristles 7.

In practice, the brush member A with which the guard G does not cooperate is employed by the "treer" or dresser to brush dirt and wax from the heel seat. By engaging the exposed portion of the bristles of the second brush member A over the conventional distributor roll for the stain, the "treer" can continue his operation entirely around the shoe with the flange 14 extending between the welt and the upper of the shoe so that the staining of the shoe upper may be completed without smirching or soiling the welt or the stitches passing therethrough.

In the manufacture of shoes of a cheap grade, the welts are now generally stained before the shoe is made up. With the use of my improved brush, however, the welts can be stained at a great saving by the "treer," the guard G operating to prevent smirching or soiling of the upper of the shoe during such operation.

From the foregoing description it is thought to be obvious that a brush constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. A brush of the character described comprising a back, bristles extending outwardly from a face thereof, a plate overlying a side face of the back, wings carried by the plate and overlying the end faces of the back, means for securing the wings to the back, and an inwardly disposed flange carried by the plate and overlying the outer ends of the bristles.

2. A brush of the character described comprising a back, bristles extending outwardly from a face thereof, a plate overlying a side face of the back, wings carried by the plate and overlying the end faces of the back, means of securing the wings to the back, and an inwardly disposed flange carried by the plate and overlying the outer ends of the bristles, the connection between each of the wings of the plate and the back embodying a clamping screw engaged with the back and directed through a slot in the wing.

3. A brush of the character described comprising a back, bristles extending from a face thereof, a plate overlying a side face of the back, means for securing the plate to the back, and an inwardly disposed flange carried by the plate and overlying the outer ends of the bristles.

In testimony whereof I hereunto affix my signature.

MILLARD H. MOORE.