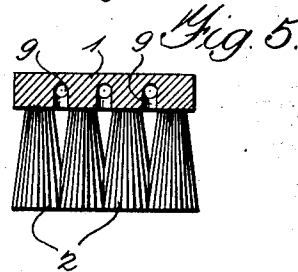
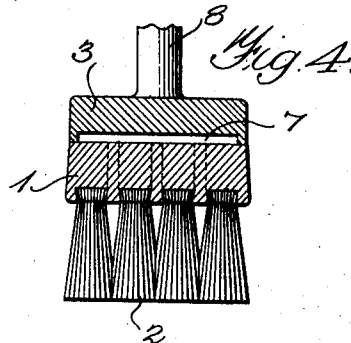
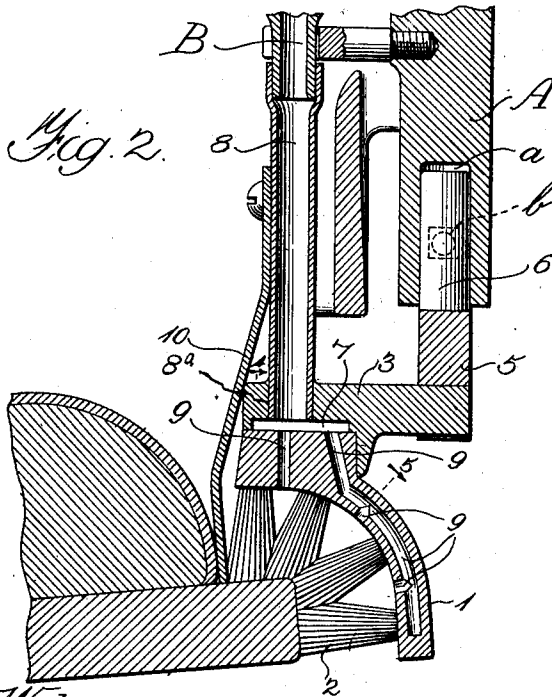
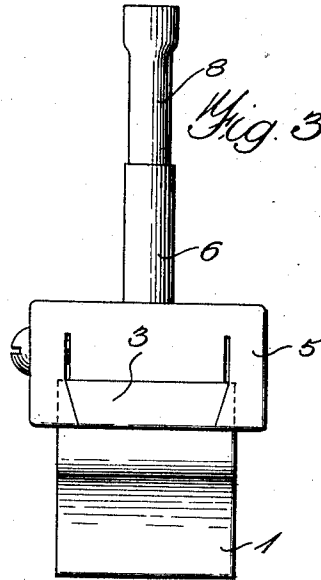
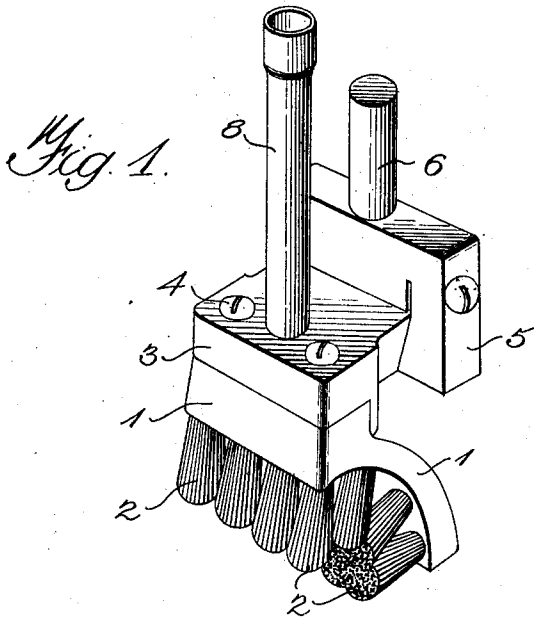


1,003,650.

Patented Sept. 19, 1911.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

ANDREW W. REDIN, OF ROCKFORD, ILLINOIS, ASSIGNOR TO CLAUS G. PETERSON, OF
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BRUSH.

1,003,650.

Specification of Letters Patent.

Patented Sept. 19, 1911.

Original application filed October 16, 1909, Serial No. 523,005. Divided and this application filed June 18,
1910. Serial No. 567,560.

To all whom it may concern:

Be it known that I, ANDREW W. REDIN, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Brushes, of which the following is a specification.

This invention relates to brushes adapted for use with edge-inking devices such, for instance, as the machine shown in my application, Serial No. 523,005, filed October 16, 1909, of which application the present application is a division. The machine shown in my said application is intended to be used for inking the edges of shoe soles and heels.

It is the object of the present invention to provide an improved brush for use with such machines or other edge-inking devices, by means of which the edge of the sole and also the upper portion of the sole projecting beyond the vamp may be given an even coat of ink.

The invention also relates to other features of improvement in brushes of this class to be hereinafter fully described.

In the accompanying drawings, Figure 1 is a perspective view of a brush embodying the features of my invention. Fig. 2 is a sectional view through the brush showing the manner of attaching it to an operating means and also the manner in which the shoe is presented to the brush. Fig. 3 is a rear side elevation of the brush. Figs. 4 and 5 are sections on lines 4 and 5, respectively, of Fig. 2.

The present embodiment of my invention comprises a back 1 which is suitably curved so that the bristles 2 projecting from the inner or concave face of said back may properly engage the edge of the sole, and also the upper portion thereof projecting beyond the vamp, the ends of said bristles conforming in shape to said edge and projecting portion of the sole. The back 1 may be attached to a block 3 by means of screws 4, said block being suitably connected with a block 5 having an attaching stem 6 thereon. The attaching stem 6 is adapted to be fitted into an opening *a* in an operating handle or lever A, said stem being secured in said opening by means such as a set-screw *b* carried by said lever and arranged to engage the stem 6.

In the under side of the block 3 is a shallow recess 7.

8 is a tube fitting in an opening 8^a in the block 3 and communicating with the recess 7 therein for conducting the coloring fluid from any suitable source to said recess. The upper end of the tube 8 is preferably detachably connected with the conductor B delivering thereto, as by forming a sliding joint between the parts, so that the brush may be easily removed from its operating means, it being only necessary to loosen the set-screw *b* to accomplish this end.

The back 1 of the brush has a plurality of ducts 9 therein connecting the upper face of said back with the inner or concave face thereof for the purpose of conducting the coloring material from the recess 7 to the bristles 2.

A guard plate 10 may be attached to any suitable part such as the tube 8, said guard plate extending in front of the bristles 2, and being adapted to prevent said bristles from contacting the vamp of the shoe.

In use, the shoe is placed in position with the sole in contact with the bristles 2, the lower portion of the vamp engaging the guard plate 10 and determining the proper position of the shoe with relation to the brush. The brush is then given an oscillatory or other suitable movement so that the ink conducted to the bristles 2 will be evenly applied to the edge of the sole. It will be noted that the outer face of the bristles 2 conforms to the shape of the shoe sole so as to cover not only the outer edge of the sole, but also the upper portion thereof extending beyond the vamp, and the bevel corner which may be formed between said upper portion and the edge of the sole.

The invention is not limited to the exact details herein set forth, for various modifications will occur to those skilled in the art.

I claim as my invention:

1. A sole-edge-inking brush having a curved back; and tufts of bristles secured to the concave face of the back, the ends of said bristles being arranged to abut squarely upon the edge of the sole and the top of the sole portion projecting beyond the vamp, said back being provided with fluid passages opening upon the concave portion of the brush.

2. A sole-edge-inking brush having a

curved chambered back; and brush material secured to the concave face of said back, the interior of the brush communicating with said concave face, the face of said brush
5 material conforming to the edge of the sole and to the top of the sole portion projecting beyond the vamp.

3. A brush for edge-inking machines having a curved chambered back; brush material secured to the concave face of said back;
10 the interior of said back communicating with said concave face; means for conducting coloring fluid to the interior of said brush; and attaching means for the brush.
15 4. A brush for an edge-inking machine comprising a brush proper having a curved back; bristles secured in the concave face of said back; a block secured upon the outer face of said back, and having a recess upon

its under side; said back having a plurality 20 of ducts therein connecting said recess with said concave face; means for conducting coloring material to said recess; and attaching means carried by said block.

5. A brush for an edge-inking machine 25 comprising a brush proper having a curved back; bristles secured in the concave face of said back; a block secured to the outer face of said back and having a recess in its under side, said back having ducts therein con- 30 necting said recess with the concave face of said back; an attaching stem on said block; and a tube carried by said block for conducting coloring fluid to said recess.

ANDREW W. REDIN.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."