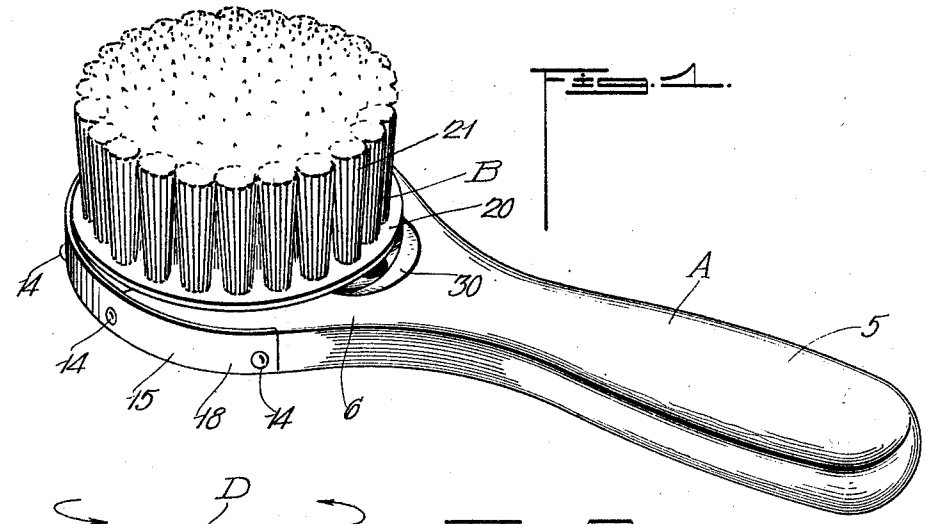
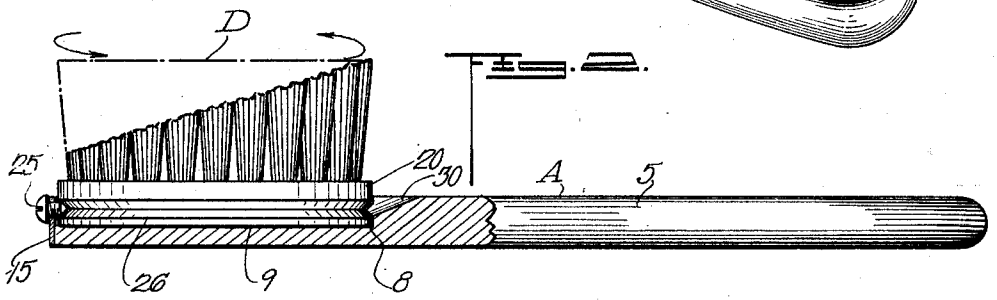
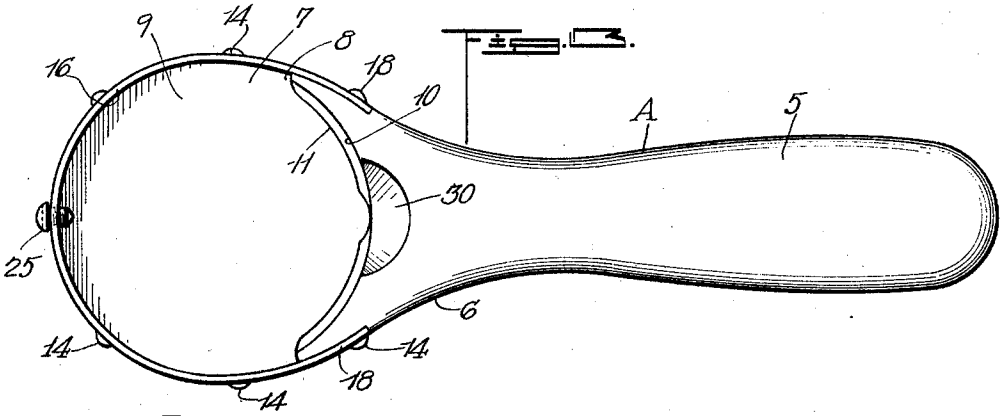
May 23, 1933. R. CARUSO 1,910,984

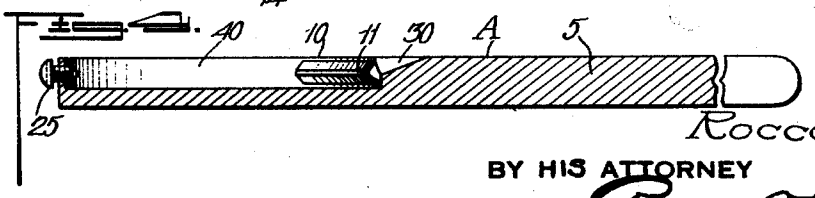
SHOE DAUBER

Filed Feb. 11, 1932









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Patented May 23, 1933 1,910,984

UNITED STATES PATENT OFFICE

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SHOE DAUBER

Application filed February 11, 1932. Serial No. 592,266.

This invention relates to brushes, and more particularly it pertains to brushes known as daubers for the application of shoe polishes in the operation of shining shoes.

Such brushes as now in general use have a brush head permanently attached to an operating handle. Such brushes have a decided tendency to wear unevenly, the greatest wear occurring at the front of the brush head as illustrated by dot and dash lines in Figure 2 of the drawing accompanying this application.

Daubers as ordinarily constructed when they reach this condition of wear are of no further use and must be discarded, whereas, if there were a practical adjustment of the head relative to its handle, the wear could to a certain extent be controlled and the useful life of the brush prolonged.

I am aware that daubers have been constructed to provide for an adjustment of the brush head relative to its handle, but in such devices with which I am familiar, the adjusting operation is an awkward one and often results in damage to the bristles of the brush head.

It is one object of the invention to improve the construction of brushes generally, and particularly of brushes of the so-called dauber type.

A feature of the invention resides in a novel construction of brush handle whereby a brush head may be removably attached thereto.

A further feature of the invention resides in a novel construction whereby, although the brush head is adjustable relative to the handle, the brush head is securely held in operative position relative to its handle.

Other features of the invention reside in the novel arrangement and combination of parts which will appear as the nature of the invention is better understood.

Reference will be had to the accompanying drawing forming part of this application, and in which;

Figure 1 is a perspective view of brush constructed in accordance with the present invention,

Figure 2 is a detail sectional view illustrating the brush head in elevation,

Figure 3 is a plan view of the handle with the brush head removed, and;

Figure 4 is a view partly in elevation and partly in section illustrating a modified form of the invention.

In that form of the invention illustrated in Figures 1 to 3, the brush consists of a handle A and a head B, the head being removable with respect to the handle.

The gripping portion 5 of the handle may be of any conventional form. The opposite end of the handle is formed with an enlarged portion 6 which portion is adapted to carry the brush head B.

This enlarged portion 6 is provided with a brush head receiving recess 7 which is formed by cutting away the handle A as at 8 to provide a seat 9 for the brush head B. The cut away portion 8 provides a wall 10, and projecting from said wall, there is a flange 11 which preferably is V-shaped in cross sectional form.

In this form of the invention, the handle A is preferably formed from wood and suitably secured to the handle A as at 14 and extending from the ends of the wall 10 around the edge of the seat 9, there is a band 15 which is of such width that it stands up above the seat 9 to provide a flange 16 which defines the edge of the seat 9 beyond the ends of the wall 10. As illustrated by the reference character 18, the ends of the band 16 preferably extend beyond the ends of the wall 10. As illustrated by the reference character 18, the ends of the band 16 preferably extend beyond the ends of the wall 10 which provides for secure attachment of the ends of the band.

The brush head B comprises a back member 20 which carries a plurality of bristles 21. The back member 20 is preferably round, and relatively thin, and may be formed from any suitable material, wood being preferable for the purpose.

The back 20 of the brush head B is provided on its peripheral edge with means to receive the projection or flange 11, and this means as herein illustrated consists of a

peripheral groove 26 which conforms in cross-sectional shape to that of the projection or flange 11.

Means is provided to hold the projection or flange 11 and the groove 26 in interengagement with each other thus to secure the brush head to the handle and this means is herein illustrated as a set screw 25 which is threaded in the flange 16 preferably at a point opposite to the center of the wall 10. This set screw 25 preferably has a tapered end as shown for reception in the groove 26.

In use, the brush head is placed upon the seat 9, and the set screw 25 is tightened to move the brush head towards the wall 10 to the extent that the projection or flange thereof will be received in the groove 26 of the back 20 of the head thus to securely fasten the head to the handle.

When the bristles of the head become worn as illustrated by the dot and dash lines D in Figure 2, it is only necessary to loosen the set screw 25 and turn the brush head upon its seat to a position where the longer bristles will be positioned at the forward end of the brush. If desired, the brush head may be turned from time to time before it has become worn to the extent illustrated in Figure 2 and thus distribute the wear during the use of the brush and effect an even wearing of the bristles thereof.

In Figure 4, I have illustrated a form of brush handle which is of integral construction and preferably formed from a relatively light metal such as aluminum.

Due to the nature of the work which these brushes perform, the head will on occasion become stuck to its seat 9 which is caused primarily by an accumulation of polish around the head of the brush. To facilitate dislodgement of the brush under such conditions, I provide in each form of the invention, a recess 30 which intersects or extends into the edge of the wall 10. This recess permits of the insertion of a suitable tool, not herein shown, into engagement with the groove 26 of the back of the brush to pry the brush head loose should the same become stuck to the seat 9.

From the foregoing, it will be readily apparent that the present invention provides a brush in which the head may be adjusted to compensate for wear, or which may be bodily removed for the purpose of renewal or for other reasons.

While the invention has been herein illustrated in two of its preferred forms, it is to be understood that it may be practiced in other forms and that certain modifications may be resorted to without departing from the spirit or scope of the appended claims.

Having thus described the invention, what is claimed as new and what it is desired to secure by Letters Patent of the United States, is:

1. A brush comprising a handle having an enlarged end formed with a recess, a projection extending inwardly of a portion only of the side wall of said recess, a brush head having a recess for the reception of said projection, and means for maintaining the recess and said projection in interengagement to secure the brush head to the handle, said last mentioned means comprising a screw threaded through the side wall of the recess at a point oppositely disposed with relation to said projection.

2. A brush construction comprising in combination a handle and a removable brush head, the handle comprising a main body portion having a brush head receiving recess, a flange defining said brush head receiving recess, a second flange integral with said first mentioned flange and projecting inwardly of said recess throughout only a portion of the circumference of the first mentioned flange, a circumferential groove formed in the brush head and adapted to receive said second mentioned flange when the brush head is in position in the handle, brush head engaging means for maintaining interengagement of the second mentioned flange and the circumferential groove of the brush head and a second recess intercepting the first mentioned recess and having its bottom wall in a plane below the circumferential groove of the brush head when the latter is in position on the handle whereby a tool may be inserted into the circumferential groove of the brush head to remove the brush head from the handle.

Signed at New York, in the county of New York and State of New York, this 9th day of February A. D. 1932.

ROCCO CARUSO.