

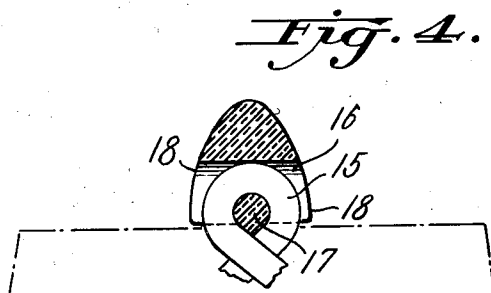
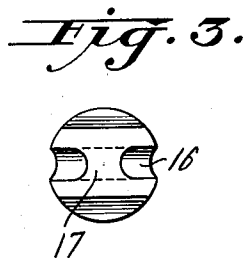
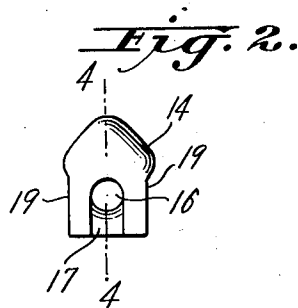
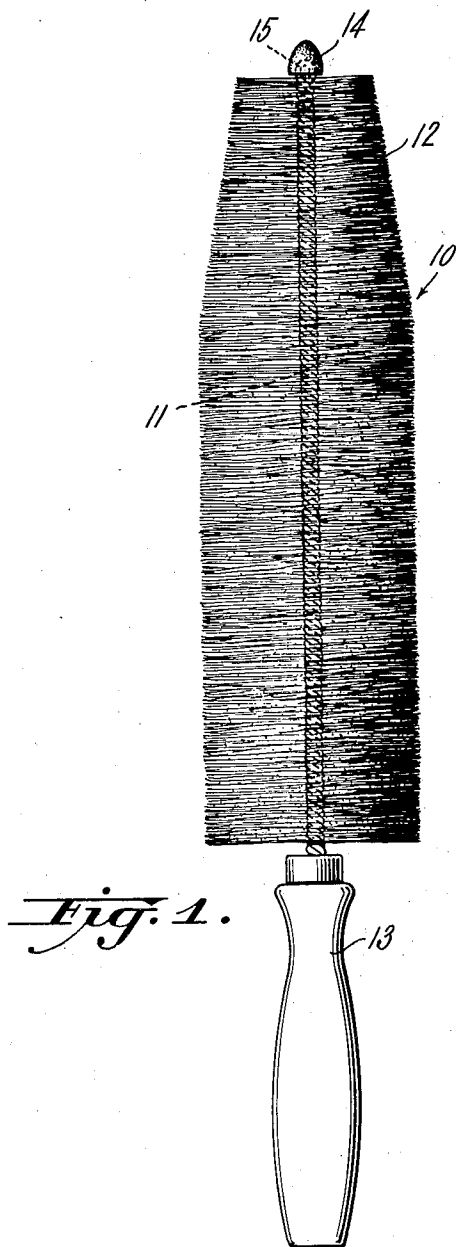
July 24, 1934.

R. SCHWARTZ

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BRUSH

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BRUSH

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4 Claims. (Cl. 15—206)

This invention relates to improvements in brushes, and more particularly to the type generally referred to as spoke brushes.

Brushes of this character usually have a central stem consisting of a doubled wire twisted spirally upon itself to grip an arrangement of bristles projecting radially from the stem. In working with such a brush it has been difficult to prevent the end of the stem from scratching or bruising the finished surfaces of the work. This is especially true when the brush is used for cleaning the spokes of vehicle wheels where the space is very restricted and the unprotected end of the metallic stem is difficult to guide away from the finished surfaces, requiring the greatest care to be used in handling the brush. As a result considerable time is lost both in using the brush and in retouching parts of the work which have been scratched.

I have overcome the above noted disadvantages by providing the tip of the brush stem with a cushion or buffer, preferably in the form of a soft rubber cap through which the usual looped end of the stem extends, the arrangement being such that the tip of the stem is completely covered and cushioned against impact.

In the accompanying drawing which illustrates one practical form of my invention:—

Fig. 1 is a view of a brush embodying my improvement,

Fig. 2 is an enlarged side view of my protective cap or buffer,

Fig. 3 is a bottom view of the buffer, and,

Fig. 4 is a cross section on the line 4—4 of Fig. 2 showing the buffer associated with the looped end of the brush stem.

Referring to Fig. 1 of the drawing the numeral 10 represents a brush of the type generally referred to as a spoke brush. It comprises a stem 2 usually consisting of a length of wire doubled upon itself and twisted in spiral formation to grip the bristles 12 which extend outwardly from the stem, a suitable handle being provided at 13. Since the outer end of the stem 2 of a brush of this type projects beyond the end of the bristles it is difficult to prevent the stem from striking the various surfaces of the work upon which the brush is being used. For instance, in working between the wire wheels of motor cars the uncovered tip may cause considerable damage to the painted parts due to the difficulty of handling the brush with speed in the necessarily small spaces between the spokes.

In order to prevent the marring or scratching of such finished surfaces I provide a buffer 14 of cushioning material such as rubber arranged to be held in place by the looped end of the brush stem. While the buffer may be of various forms, I prefer that it be of substantially the construction shown in Figs. 2 and 3 wherein a substantial-

ly U-shaped recess 16 or transverse slot 16 extending from side to side through the base of the buffer provides for reception of the looped end or eye 15 of the stem 2. A bridge portion 17 of the buffer extending transversely of the slot 16 is adapted to be gripped by the loop of the stem and is thus held firmly in position on the brush. It will be noted that the sides of the buffer overextend the sides of the loop at 18 to afford protection at these points. Furthermore, the opposite sides of the buffer may be flattened as at 19 to facilitate the application of a gripping device to the looped end of the brush during the manufacturing operation of twisting the wire into the described formation to hold the bristles 12.

Various changes and modifications might be made in the form and arrangement of the parts without departing from the invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations of construction as fairly fall within the spirit and scope of the appended claims.

Having thus described my invention, I claim:—

1. As a new article of manufacture, a spoke brush having a stem portion provided with a loop at its outer end, and a buffer having a slot extending transversely through the base of said buffer from side to side thereof for reception of the loop of said stem, said buffer including a portion extending transversely of said slot through the eye of said loop.

2. As a new article of manufacture, a spoke brush having a stem portion provided with a loop at its outer end, and a buffer having a slot extending transversely through the base of said buffer from side to side thereof for reception of the loop of said stem, said buffer including a portion extending transversely of said slot through the eye of said loop, said buffer also being shaped to overextend said loop at the ends of said slot.

3. As a new article of manufacture, a spoke brush having a twisted wire stem, and a buffer secured to the end of said stem, said buffer having flattened sides adapted to facilitate the application of a gripping tool to the stem during a manufacturing operation.

4. As a new article of manufacture, a spoke brush provided with a stem having a looped end, and a buffer having a recess for the loop and a portion extending through the eye of the loop, the body of said buffer being flattened on opposite sides transversely of the axis of said eye.

RUDOLF SCHWARTZ.