Aug. 4, 1931. A. J. W. WIEGERT 1,817,050

AUTOMOBILE BRUSH

Filed April 8, 1929

Fig. 1

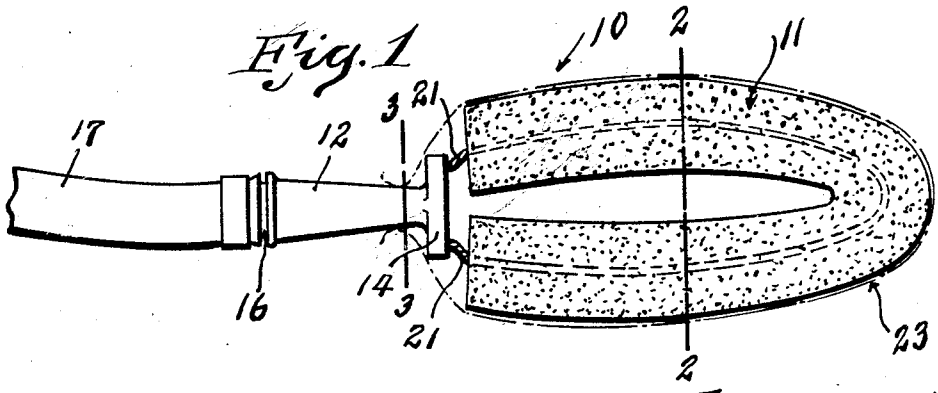


Fig. 2

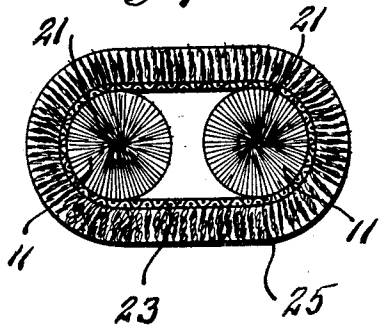


Fig. 3

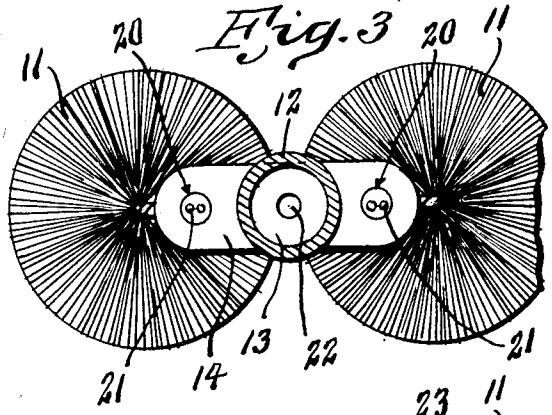
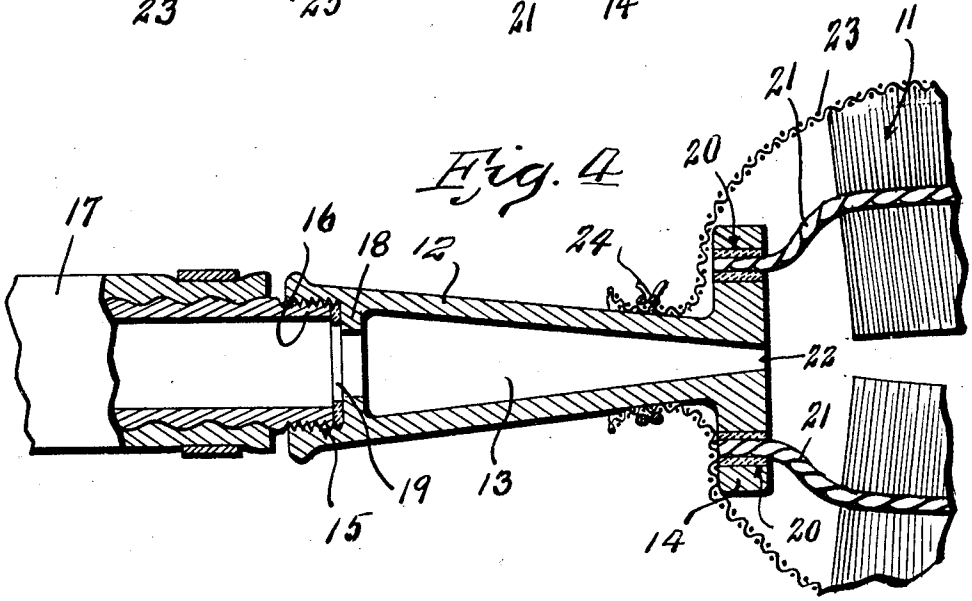


Fig. 4



Inventor

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UNITED STATES PATENT OFFICE

AUGUST J. W. WIEGERT, OF ST. LOUIS, MISSOURI

AUTOMOBILE BRUSH

Application filed April 8, 1929. Serial No. 353,629.

This invention relates to new and useful improvements in automobile brushes, the objects of the invention being to provide a brush having an elongated hollow handle adapted to have one end detachably connected to a hose and having the opposite end terminating in an integral head in which are seated the ends of a U-shaped bristle member, there being a central opening formed in said head communicating with said chamber for discharging the water longitudinally and centrally of said bristle member.

Further objects of the invention are to provide a suitable mop member or cover for enclosing said bristle member, said mop member being adapted to be detachably secured to said handle adjacent to said head. This mop member is formed of material of loose texture, whereby water can pass freely therethrough and keep the mop strings well saturated.

Additional objects of the invention are to simplify the construction of automobile brushes of the class described, and provide a suitable handle whereby said brush can be easily manipulated.

With these and other objects in view, my invention consists in certain novel features of construction and arrangement of parts, hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of my improved brush and showing the mop member in dotted lines.

Figure 2 is a cross section taken on line 2—2 of Figure 1 and showing the mop member in full lines.

Figure 3 is a cross section taken on line 3—3 of Figure 1.

Figure 4 is a longitudinal cross section through the handle and the head thereof.

Referring by numerals to the accompanying drawings, 10 indicates a brush comprising a bristle member 11 and an elongated handle 12. This handle is of suitable length and diameter so as to fit in the palm of the hand so that the brush may be conveniently manipulated. This handle is formed hollow having a longitudinally disposed chamber 13 and said handle is preferably tapered toward a head 14 which is formed integral with said handle and is disposed transversely thereto. The opposite end of the handle terminates in an internally threaded seat 15 which communicates with said chamber 13 and is adapted to have screw-seated therein the threaded coupling 16 of a hose 17. A circular flange 18 is formed integral with said handle and separates said seat 15 from chamber 13 without interfering with the passage of water from the hose to the chamber 13. A washer 19 is preferably interposed between coupling 16 and flange 18 so that a fluid-tight joint can be formed between the hose and the handle.

The head 14 is provided near each end with an aperture 20 in which is seated one end of a wire member 21 of bristle member 11. This wire 21 is U shape and the bristle member 11 is of usual construction. The ends of the wire member are secured in apertures 20 in any suitable manner, preferably by soldering. The head 14 is provided with an outlet or aperture 22 which is arranged coaxially with the handle and opens toward the bristle member 11 so that the water discharged through said opening is directed longitudinally and centrally of said bristle member and substantially in the same horizontal plane therewith. This insures an ample supply of water for the entire bristle member during the washing operation so that the dirt loosened by the brush is floated away by the water discharged against the bristles.

As the head 14 is formed integral with handle 12 and the wire ends of the bristle member 11 are soldered in position in the head, there are no loose parts which can become lost and the cost of manufacture is thus materially reduced.

In order to enable the use of the brush in washing the top and body of the car without danger of scratching or injuring the surface thereof, I provide a mop member or cover 23 which is made in the form of a bag and is of suitable size so that it may be slipped over the bristle member. The loose end of this mop member is provided with a draw string 24 by means of which the open end can be

tied onto the handle adjacent to the head 14. The strings 25 of member 23 form a soft and yieldable cleaning material which is suitable for washing the top and body surface without danger of injury thereto.

The mop member or cover 23 is formed of material of very loose texture so that the water discharged from the handle can readily pass through said cover and keep the mop strings well supplied with water and wash away all dust and grit.

Since the head 14 and handle 12 are formed of a single piece casting, no assembling operations are required, with the exception of soldering the end of the wire member 21 in the aperture 20. Thus my improved brush can be economically manufactured and is assured of long life of usefulness as there are no parts to get lost or out of order.

The provision of mop cover 23 enables the use of the brush in washing the top and body of the car, as well as the wheels. As the cover is formed of very loose texture, it is highly porous so that the water can readily pass therethrough.

While I have shown and described the preferred form of my invention, it is obvious that minor changes in the construction of my brush can be made without departing from the spirit of my invention.

I claim:

In a device of the class described, the combination of an elongated hollow handle having a longitudinal chamber formed therein, one end of said handle being provided with an internally threaded outwardly opening seat communicating with one end of said chamber and adapted to have screw-seated therein the coupling of a hose, the other end of said handle terminating in an integral transversely disposed head having a central opening forming a discharge outlet for said chamber, said head having a pair of spaced apertures, and a U-shaped bristle member having its wire ends secured in said apertures and extending longitudinally of said handle substantially in the same horizontal plane with the axis thereof and of said discharge opening, whereby the water discharged through said central opening issues in a stream longitudinally of and between the parallel portions of said bristle member, whereby the stream of water discharged through said outlet is directed longitudinally of the parallel portions of said bristle member.

In testimony whereof I hereunto affix my signature this 2nd day of April, 1929.

AUGUST J. W. WIEGERT.