J. B. MILLS.

AUTOMOBILE WASHER.

APPLICATION FILED OCT. 24, 1921.

1,433,964. Patented Oct. 31, 1922.

Fig. 1.

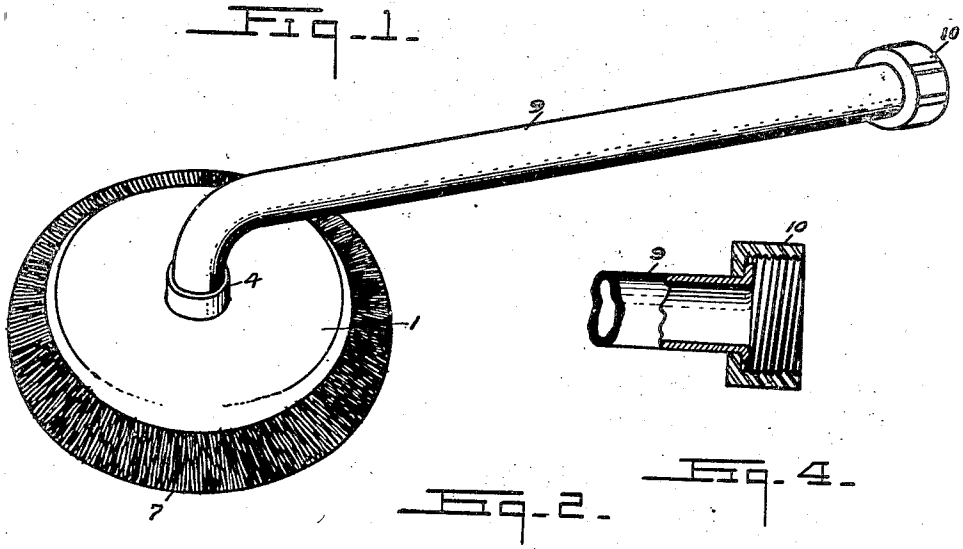


Fig. 4.

Fig. 2.

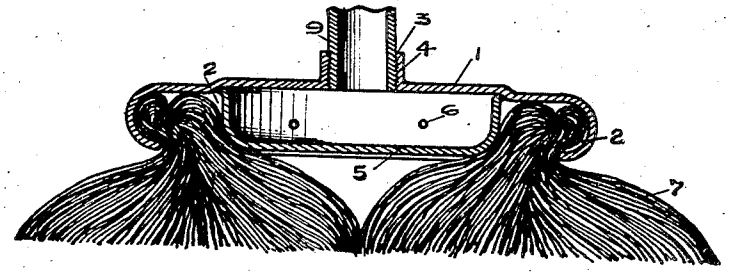
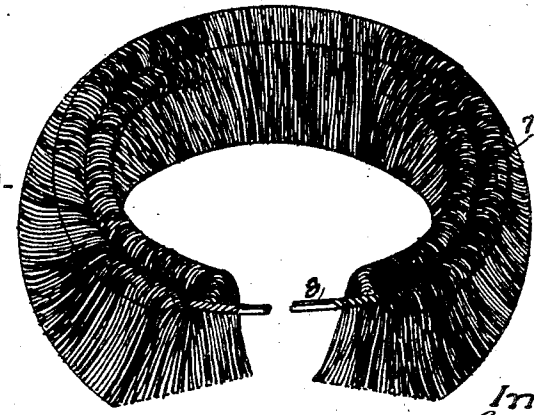


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES BIDWELL MILLS, OF TORONTO, ONTARIO, CANADA.

AUTOMOBILE WASHER.

Application filed October 24, 1921. Serial No. 510,022.

To all whom it may concern:

Be it known that I, JAMES BIDWELL MILLS, a subject of the King of Great Britain, and resident of 58 Parkway Ave., city of Toronto, county of York, Province of Ontario, Dominion of Canada, have invented certain new and useful Improvements in Automobile Washers, of which the following is a description.

The invention relates to improvements in automobile washers as described in the present specification and shown in the accompanying drawings that form a part of same.

The invention consists essentially of the novel features of construction whereby a brush head is provided with sprinkler apparatus suitably connected with the source of liquid supply through the handle and adapted to supply liquid to the brush or mop.

The objects of the invention are to provide a continuous flow of water or other liquid to the brush and thus prevent the accumulation of sand or other foreign matter which would be injurious to the finish of the object being washed, to provide a washing device in the employment of which it is not necessary for the operator's hands to come in contact with the liquid and generally the objects of the invention are to produce an automobile washer which will be inexpensive of construction, efficient in operation and durable.

In the drawings, Figure 1 is a perspective view of the device.

Fig. 2 is a cross sectional view through the washer.

Fig. 3 is a perspective view of the brush detached from the holder.

Fig. 4 is a longitudinal sectional view through a portion of the tubular handle and the universal nut employed to connect the brush with source of water supply.

Like numerals of reference indicate corresponding parts in the various figures.

Referring to the drawings 1 is a disc circular in plan and having its edges turned downwardly and inwardly forming an annular mop retaining pocket 2, said mop head being provided with a central opening 3 having an outward encircling flange 4 interiorly threaded.

5 is a substantially dish shaped sprinkler member having its open side rigidly secured to the under side of the mop head and having the openings 6 located in the sides thereof to deflect the liquid in a lateral direction therefrom, said sprinkler preferably being circular in plan and constituting a keeper for holding the mop 7 in position within the pocket 2.

The mop 7 is preferably wound around or secured to an expansile core 8 of wire or other spring material adapted to exert a spreading influence to hold the mop firmly in engagement with the downwardly turned portion of the mop head.

9 is a handle exteriorly threaded at one end to correspond to the interior threads on the flange 4 and at its other end being provided with suitable means, such as a coupling 10, for connecting the handle with the hose or other form of liquid supply.

In the use of this invention the coupling 10 is secured over the hose connection and the water or other liquid turned on. The device is then grasped by the handle 9 and the mop reciprocated over the surface to be cleaned. As the openings in the sprinkler are on a horizontal plane the water is not forced directly onto the object, but rather into the mop, tending to thoroughly saturate same, and at the same time force out all dirty water and foreign matter, which would otherwise be injurious to the finish of the object.

What I claim is:

An automobile washer comprising a circular disk having its peripheral edge inwardly curled to form an annular pocket, and a central opening therein; a cup shaped sprinkler member rigidly secured to one side of said disk, a mop encircling said sprinkler member, said mop fitting into said annular pocket of the said disk by means of a tensioned wire core; a tubular handle extending from said disk and connected to a source of liquid supply, said handle communicating with the sprinkler member and adapted to supply liquid thereto for the purpose of saturating the said mop.

Signed at the city of Toronto, this 15th day of October, 1921.

JAMES BIDWELL MILLS.

Two witnesses:

J. G. HAMMOND,

F. BROMLEY.