Oct. 11, 1927. 1,644,903

M. M. WEISS

WASHING DEVICE

Filed July 3, 1925

Fig. 2

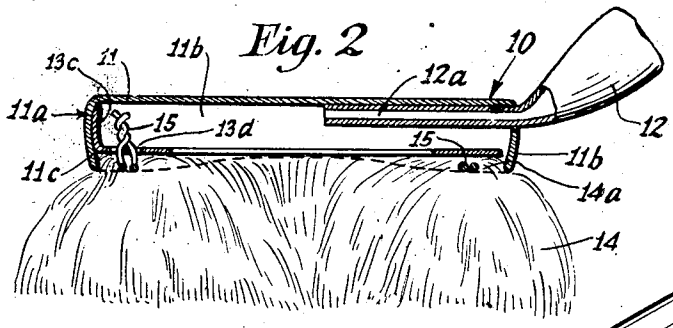


Fig. 1

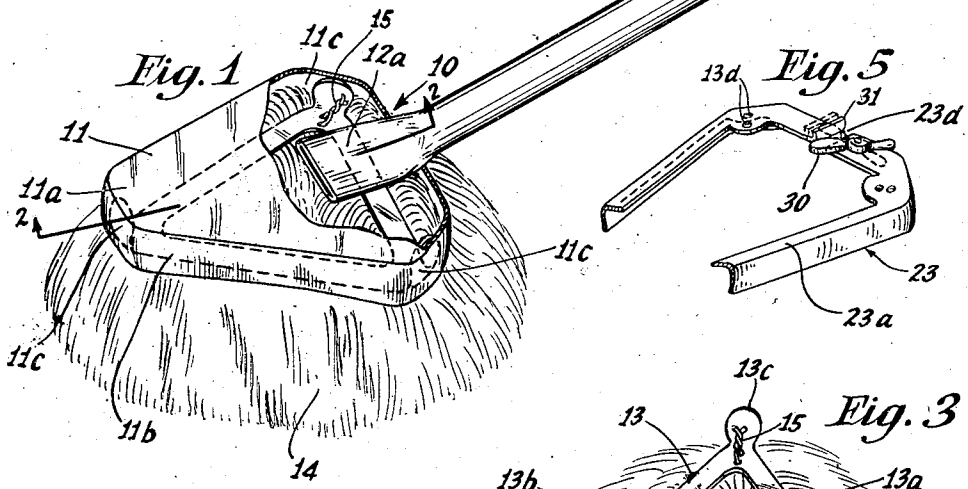


Fig. 5

Fig. 3

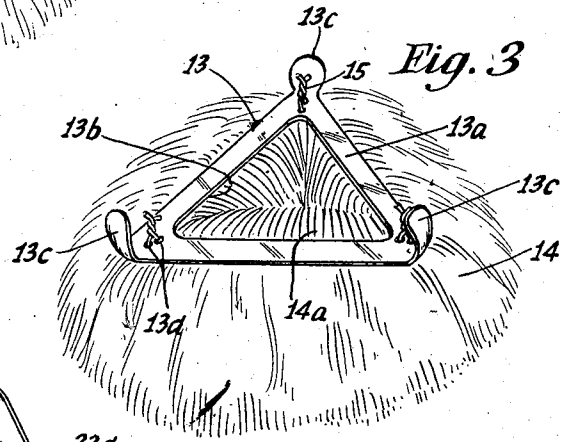
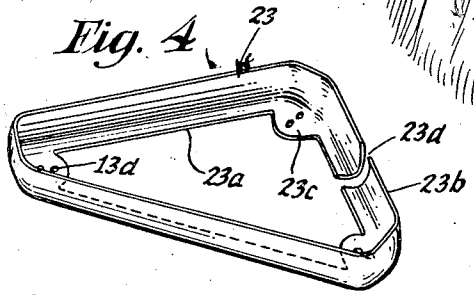


Fig. 4



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UNITED STATES PATENT OFFICE.

MAX M. WEISS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-THIRD TO FRANK J. BOEHM AND ONE-THIRD TO BENJAMIN GLICK, BOTH OF BROOKLYN, NEW YORK.

WASHING DEVICE.

Application filed July 3, 1925. Serial No. 41,293.

This invention relates to washing devices of the fountain type such as are adapted to be attached to the end of a hose for cleansing automobiles and for the like purposes.

An object of the invention is the provision of a device of the character described including improved means for securing a mop or brush to the head portion of the device which permits ready detachment of said mop or brush and is so incorporated in the head as not to interfere with the flow and proper distribution of water.

A further object of the invention is the provision of an improved brush or mop attachment means of the character described which shall be very simple in construction, cheap to manufacture, and practical and efficient to a high degree.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

Certain features herein shown and described are shown, described, and claimed in my Patent No. 1,549,341, dated August 11, 1925.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the construction hereinafter described and of which the scope of application will be indicated in the following claims.

In the accompanying drawing, in which is shown one of the various possible illustrative embodiments of this invention,

Fig. 1 is a perspective view of a complete washing device of the fountain type having brush or mop attachment means embodying the invention, with portions of the head and handle of the device broken away to show the interior construction;

Fig. 2 is a cross-sectional view taken on line 2—2 in Fig. 1;

Fig. 3 is a perspective view of the improved attachment means with a mop attached thereto;

Fig. 4 is a perspective view of a modified form of attachment means; and

Fig. 5 is a fragmentary perspective view of another modified form of attachment means shown bottom side up.

Referring in detail to the drawing, 10 indicates generally a washing device of the fountain type, and is seen to comprise a head 11 which may be of any suitable shape, preferably triangular so as to present a tapered leading end 11^a to facilitate reaching in corners, and an elongated tubular handle member 12 having the outlet end 12^a thereof secured on the under side of the head. The handle 12 extends outwardly from the head 11, which as shown in Figs. 1 and 2, comprises a hollow member having depending side walls 11^b. The marginal portions of said walls are bent to form inturned flanges 11^c which are effective to engage with a detachable mounting means of suitable construction, such as a mounting member 13 to which a brush or mop 14 is secured by means of tie wires 15 as is clearly shown in Figs. 1 and 3.

The handle member 12 is preferably made of tubing, the outlet end 12^a of which is flattened and extended through the flange wall 11^b, said end 12^a being secured on the under side of the head 11^b a substantial distance in from the said wall 11^b so as to efficiently distribute the flow of water at all portions of the mop 14.

The inlet end of the handle 12 may be provided with suitable coupling means 16 for connecting the device 10 to a hose (not shown) in the well known manner.

The member 13 for detachably securing the mop or brush 14 to the head 11 is preferably constructed of a springy, rustless, sheet metal such as brass, phosphor bronze, Monel metal, or the like resilient material.

The member 13 is preferably triangular in shape so as to co-operate with the triangular shaped head 11, and comprises a △-shaped body 13^a having a similarly shaped central opening 13^b and projecting leg portions 13^c upstanding from one side of said body 13^a at the corners 13 thereof as shown in Fig. 3. Each leg portion 13^c may be bent inwardly and transversely to conform with the contour of the inner side of the flanges 11^c at the rounded corners of the head 11, see Figs. 1 and 2.

There is also provided on the body 13^a suitable means for securing the mop or brush 14 thereto, such as one or more perforations 13^d adjacent the projecting leg portions 13^c through which the tie wires 15 pass and firmly bind the back or fastening structure 14^a of said mop or brush to said member 13 as shown in Figs. 1 and 3.

In using the invention, the member 13 with a brush or mop 14 fixedly attached

thereto is inserted up into the head 11, the projecting leg portions 13^c on the body 13^a being simply sprung up into engaging position with the corner flange portions of the head 11. Thus the brush or mop is detachably secured to said head, the central opening 13^b in said body 13^a permitting unrestricted flow of water from the outlet end 12^a of the handle to the mop or brush.

In Fig. 4 is shown a modied form of mounting member 23 which is constructed with a triangular shaped body 23^a having the edge portion thereof upturned from one surface thereof to form edge flange 23^b, the contour of which corresponds with that of the flange of the head 11. In each of the corners of the body 23^a there is provided means for fastening the mop or brush, such as enlarged portions 23^c on the body 23^a having perforations 13^d adapted to receive the tie wires 15 of the mounting member 13 described above.

One side of said body 23^a and flange 23^b preferably that opposite the tapered leading end 11^a of the head 11 is split as at 23^d to permit springing the mounting member 13 up into the head 11 for securing the mop or brush 13 thereto.

Where it is desired to provide a positive interlockment between the mounting member 23 and the head 11, said member 23 may be provided with a cam lever 30 pivotally mounted adjacent one edge of the split 23^d so as to be moved into contact with an abutment piece 31 upstanding from the opposite edge of said split. Said lever 30 is adapted to spread the sides of said split 23^d for locking the member 23 and the attached mop or brush to the head against accidental displacement, as shown in Fig. 5.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention, and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawing, is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. In a washing device of the character described including a hollow head, adapted to be connected with a wash water supply, a mop, and a member detachably mounting the mop on the head, said member comprising a body having a central opening to permit unrestricted flow from said head, there being spaced perforations in said member and tie wires extending therethrough for fixedly securing the mop to said member.

2. In a washing device of the character described including a hollow head adapted to be connected with a wash water supply, a mop, and a member adapted to detachably mount the mop to the head, said member comprising a body having a central opening to permit the unrestricted flow from said head, there being spaced perforations in said member and tie wires extending through said perforations for fixedly securing the mop to said member, said body constructed of resilient material and having projecting means upstanding therefrom for spring interlockment with said head.

3. A device of the character described adapted to be connected with a wash water supply comprising a triangular-shaped head, means for supplying a fluid to said head, said head having inturned flanges, a mop, a member similar in shape to said head detachably mounting the mop to the head, and tie-wires fixedly securing the mop to said member, said member constructed of resilient sheet material and formed with a body portion having a central opening to permit unrestricted flow of fluid from the head to the mop, said body having projecting portions to interlock with said flanges.

In testimony whereof I affix my signature.

MAX M. WEISS.