Jan. 13, 1942. A. A. JOHNSON 2,269,721

WASHING DEVICE

Filed Sept. 17, 1940

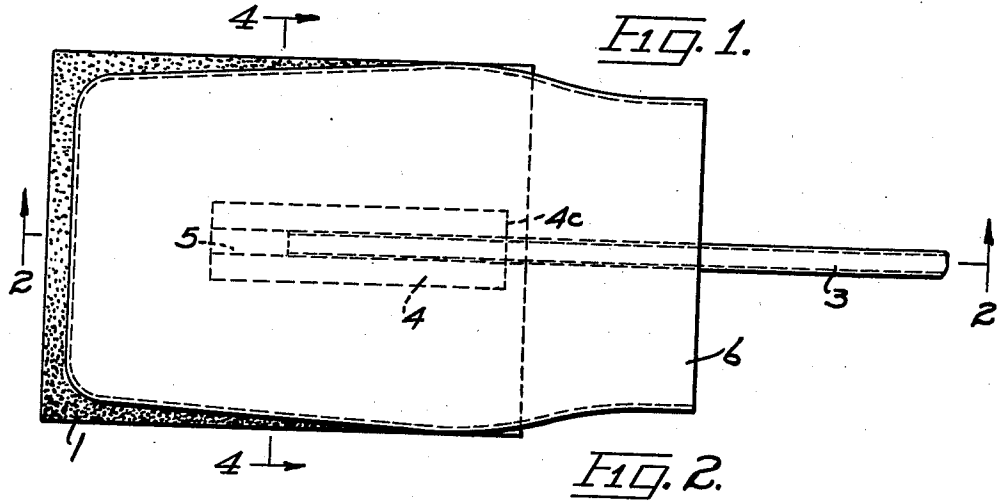


Fig. 1.

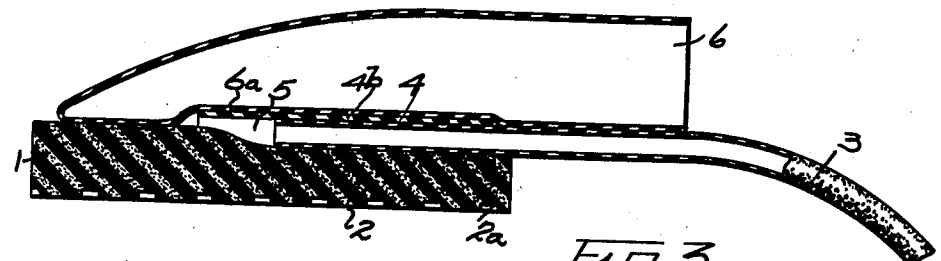


Fig. 2.

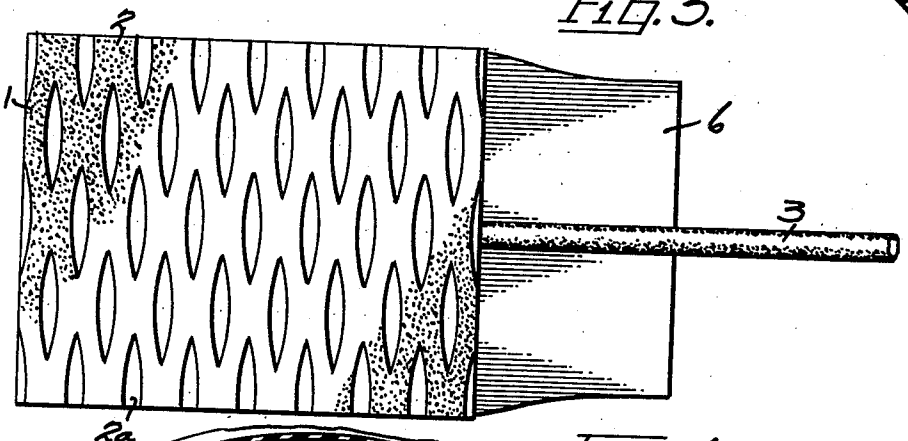


Fig. 3.

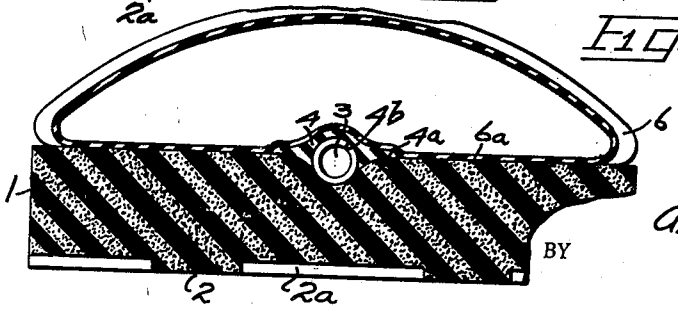


Fig. 4.

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2,269,721

WASHING DEVICE

Axel A. Johnson, Holly, Mich.

Application September 17, 1940, Serial No. 357,133

1 Claim. (Cl. 15—130)

This invention relates to improvements in washing devices, and refers particularly to a device for washing automobiles and the like; it is an improvement over my United States Patent No. 2,075,850.

In my former patent it was necessary to cut the cellular pad for the insertion of the hose end thereinto so that water might be supplied to the pad. This not only was a time consuming operation but also weakened the pad; and again all the water entered the pad at substantially the same point so that the flow was not evenly distributed through the entire operating surface of the latter.

It is an object of this invention to provide a washing device which can be more cheaply and easily manufactured, and whereby a more uniform distribution of water over the operating surface of the pad is obtained.

Having thus briefly and broadly outlined the major objects and advantages of the invention I will now proceed to describe it in detail with the aid of the accompanying drawing, in which:

Figure 1 illustrates a rear view of the washing device.

Figure 2 is a section on the line 2—2 of Figure 1.

Figure 3 is a front view of the device showing the operating surface of the pad, and

Figure 4 is a section on the line 4—4 of Figure 1.

Referring to the drawing, 1 designates a cellular pad preferably made of sponge or latex rubber of such consistency that water will flow therethrough from one side to the other and be distributed laterally over the pad during its passage. The front or operating surface 2 of the pad is preferably irregular and provided with a tread 2*a* to more readily remove dirt from the surface of the work being washed.

3 denotes a flexible hose one extremity of which, not shown, may be provided with means for attachment to suitable water connection, and its other extremity rests upon and extends across the rear side of the pad 1 and terminates substantially centrally of the latter. This hose extremity is secured to the pad 1 by a flexible beading strip 4 of substantially U-section and having opposed flanged margins 4*a* which are adhesively secured to the said pad. The beading strip is centrally and longitudinally grooved at 4*b* to partly encircle the hose 3 and retain the latter in contact with and partly embedded in the rear surface of the said pad. This beading strip 4 extends some little distance beyond the extremity of the hose 3 to form an elongated water chamber 5 one side of which is formed by a portion of the rear surface of the pad. The other extremity 4*c* of the strip preferably terminates somewhat inwardly of the margin of the pad, as clearly shown in Figure 1.

6 indicates a hand receiving element which is usually made of rubber and may be in the form of a glove or mitt. The inner side 6*a* of this element 6 is adhesively secured to the rear surface of the pad 1 and covers substantially the entire surface thereof. This element thus extends over the beading strip 4 and closes the outer extremity of the chamber 5.

It will thus be seen that I have devised a very simple form of construction wherein one end of the hose 3 is placed against the rear face of the pad 1, held thereagainst by the beading strip 4 which projects beyond the hose end to form the water chamber 5, which is completely closed by the attachment of the hand receiving element upon the rear surface of the pad.

It will also be noted that this construction makes provision for a relatively large water chamber 5 so that water from the hose may be more readily distributed throughout the pad so that it flows substantially evenly through the entire front operating surface when the latter is in contact with an article being washed therewith. The inner side 6*a* of the hand receiving element prevents the escape of water through the back of the pad and the arrangement of the U-shaped beading strip eliminates the necessity for cutting the pad and materially increases the speed of production of the finished article.

While in the foregoing the preferred embodiment of the invention has been described and shown, it is understood that the construction is susceptible to such alterations and modifications as fall within the scope of the appended claim.

What I claim is:

A washing device comprising a cellular pad, a flexible hose one extremity of which rests upon and extends across the rear surface of said pad and terminates intermediately of said rear surface, a substantially U-shaped beading strip having its longitudinal margins secured to the rear surface of the pad and its central portion partly encircling that portion of the flexible hose which rests upon said pad, a hand receiving element secured to the rear surface of the pad and extending over the beading strip, the latter projecting beyond the end of the hose to form a water chamber between it and the pad, and one extremity of the chamber being closed by the hand receiving element.

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