UNITED STATES PATENT OFFICE

AUTO-WASHING MAT

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2,572,538

2. Claims... (Cl. 290—83)

1. This invention relates to an automobile washing mat of novel design, particularly and efficiently adapted for the washing, with ease and facility, of all exterior parts of automobiles, buses, trailers, streetcars, and the like.

An important object of the present invention is to provide a device of the type stated which will permit the washing of a vehicle with a minimum of time and effort.

Another important object is to provide a device as described wherein clear water, soap-treated water, or other cleansing liquids can be applied separately or in unison depending upon the needs of the particular task.

Still another important object is to provide a construction for such a device whereby clear and soap-treated water can be supplied separately to the device and will be blended within the device before being fed to the surface to be washed.

For the purpose of feeding clear and soap-treated water to the interior of the water bag, I provide the spaced hose fittings 23 mounted in the central part of the upper canvas facing 19 and communicating with the interior of the water bag. The hose fittings 23 extend upwardly through openings 24 formed in the plate 17 and are adapted to have removably connected thereto hoses 25. One hose 25 can lead from a hydrant or tank of clear water, and said clear water can be fed to the interior of the water bag either by gravity or by hydrant pressure as desired. The other hose 25 can extend from a tank containing soap-treated water or the like, with said tank being disposed at an elevated position so as to feed the soap-treated water by gravity to the interior of the water bag. When the clear and soap-treated water arrives within the water bag, they are blended therewith before being discharged through the bottom of the water bag through a plurality of spaced grommets 26 defining discharge openings in the bottom of said bag.

The blended water is fed thereafter to a cleansing pad comprising the wool bottom portion 27 that constitutes the contact surface with the vehicle to be washed. The wool portion 27 is securely fastened either adhesively or naturally to the leather backing 28, to the marginal portion of which is secured the annular canvas collar 29, the outer periphery of which is upwardly extended as at 30, and secured either adhesively or by other suitable means to the marginal portion of an elastic annular member 31, adapted to overlie the marginal part of the plate 17 and grip said plate for the purpose of holding the cleansing pad securely to the plate in position under the water bag.

I believe the assembly and operation of an au...
tomobile washing pad formed in accordance with the invention can be readily noted at this time. The entire handle portion of the device is pivotally attached to the washing head thereof.

Considering the operation of the head or mat portion itself, hoses 22 are attached to the hose fittings or nipples 23, and clear and treated water can be supplied to the water bag either separately or together. Within the water bag, the different liquids applied thereto are blended and this blending action is aided by the fact that in the meantime the user will be pressing downwardly upon the surface to be washed, thus alternately squeezing and expanding the sponge 22 contained within the water bag. In any event the blended water is then fed in the direction of the arrows shown in Fig. 3, through the grommets 26, after which the blended water is forced through openings 27 formed in the surface of the leather backing 28 of the pad 27. The blended water is thus dispersed evenly and uniformly through the wool cleansing member 27 and thus is applied to the surface of the vehicle while the user is at the same time applying normal, light rubbing action of the washing pad across the vehicle surface.

What is claimed is:

1. In a washing device a top plate including a peripheral depending flange defining a recess in the underside of the plate; a water bag proportioned to fill said recess completely, the water bag including inlet fittings projecting through and engaged by said plate to retain the water bag within the recess, a bottom face having a plurality of outlet openings, said bottom face being formed from flexible material, said bottom face being flexible toward the plate in the central area of the water bag and constituting means for compressing the water bag at said central area, said flange preventing compression of the water bag in the marginal area thereof, and sponge material completely filling said water bag.

2. In a washing device a flat plate including a narrow depending peripheral flange, said flange defining a shallow recess under the plate; and a water bag completely filling said recess and proportioned to a thickness approximately equal to the width of said flange, said water bag including a flexible top face lining the walls of said recess, inlet fittings secured to said top face and engaged in said openings of the plate to retain the water bag within the recess, a flexible bottom face having a plurality of outlet openings secured at its periphery to the periphery of the top face, said bottom face being flexible in the direction of the top face in the central area of the water bag for compression of the water bag in said central area, said flange of the plate rigidifying the periphery of the water bag to prevent compression of the water bag in the peripheral area thereof, and sponge material completely filling the space between the top and bottom faces of said water bag.

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