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2,742,660

POLISH APPLICATOR

Theodore Van Esley, Detroit, Mich.

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1 Claim. (Cl. 15—138)

The present invention relates to new and useful improvements in applicators and more particularly to a fountain applicator for applying liquid polish to an automobile or other object to be polished.

An important object of the invention is to facilitate and simplify the waxing and polishing of automobiles and to this end I provide a fountain applicator adapted to contain a quantity of liquid wax and having a discharge orifice over which an applicator pad is detachably secured and adapted to be saturated with the contents of the applicator for applying a coating of wax to the surface to be polished.

Another object of the invention is to provide an applicator which includes a hollow handle for containing the liquid wax and providing a cutoff valve for regulating the flow of polish to a polishing pad which is detachably secured to the discharge end of the handle.

A further object is to provide an applicator of this character which is equipped with a clamping device for securing an applicator cloth in position at the polish applying surface of the pad of the applicator.

A still further object is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view with the applicator cloth removed;

Figure 2 is a longitudinal sectional view;

Figure 3 is a transverse sectional view taken on a line 3—3 of Figure 2;

Figure 4 is a front elevational view with the polishing cloth in position; and

Figure 5 is a perspective view of the detachable polish applying pad.

Referring now to the drawing in detail wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numeral 5 designates a hollow handle having a filler plug 6 threaded in its rear end and having a head 7 formed at its front end and which, in the present embodiment of the invention, is of square shape in cross section. The head 7 projects laterally with respect to the handle 5 and a passage 8 is formed in the head leading from the hollow handle 5 to a discharge opening 9 in the laterally disposed surface 10 of the head.

An absorbent pad 11 which may comprise a synthetic sponge or other suitable material is cemented or otherwise suitably secured to a backing plate 12 and the pad and backing plate are coextensive in area with the surface 10 of head 7. The backing plate 12 is formed at its opposite side edges with a pair of resilient clips 13 adapted to enter in notches 14 in the opposite sides of head 7 to detachably secure the pad in position thereto.

The backing plate 12 is formed with an opening 15 70 aligned with the discharge opening 9 of the head.

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A sliding valve 16 is mounted in the head 7 for movement transversely with respect to passage 8 and the valve is formed with an opening 17 adapted to register with the passage 8 to control the flow of liquid from the handle 5 to the pad 11. The outer end of the valve 16 is formed with a hand gripping lip or flange 18 to slide the valve inwardly and outwardly with respect to the head in an opening or closing movement.

A clamping device 19 is pivoted on the handle 5 by means of a pin 20 and includes a handle portion 21 under which a wire spring 22 is positioned to force the handle end 21 of the clamp outwardly with respect to the handle and to force the jaw end 23 of the clamp downwardly toward the handle to clamp an applicator cloth 24 in position over the head 7 and under the pad 11, in a manner as more clearly shown in Figure 4 of the drawing. The clamping surface of jaw 23 is formed with teeth 25 to effectively hold the cloth 24 in position.

In the operation of the device the hollow handle 5 of the applicator is filled with a quantity of liquid wax and which is fed to the pad 11 and cloth 24 by way of the passage 8, discharge opening 9 and opening 15 in the backing plate 12 of the pad to thus saturate the pad and cloth with the polishing liquid. The valve 16 is moved inwardly or outwardly to control the quantity of liquid supplied to the pad and cloth.

The saturated pad 11 and cloth 24 are then moved over the surface of the automobile or other surface to be polished to thus apply a coating of liquid wax to the surface.

The cloth 24 and pad 11 may be easily removed from the head for the purpose of cleaning.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

A liquid applicator comprising a hollow handle having a downwardly projecting head at its front end, said head having a discharge opening in its bottom surface, an absorbent pad having a backing plate secured thereto, resilient clips carried by the backing plate and detachably secured to the head to support the pad under the bottom of the head and over the opening in the head, said backing plate having an opening aligned with the discharge opening of the head, said head having a passage leading from the handle to the discharge opening, a sliding valve in the head for the passage and having a finger grip at the rear portion of the head, a flexible applicator element wrapped over the top and transversely around the head and under the pad, and clamping means on top of the head securing the applicator element thereto.

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