March 7, 1939. F. M. ASHLEY 2,149,989

INKSTAND

Original Filed Oct. 14, 1936

Fig. 1.

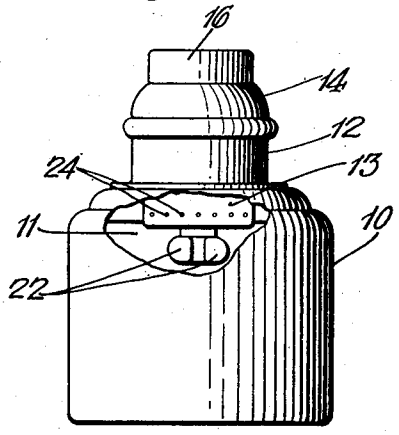


Fig. 2.

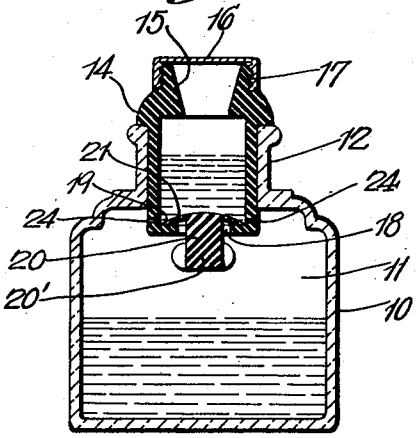


Fig. 3.

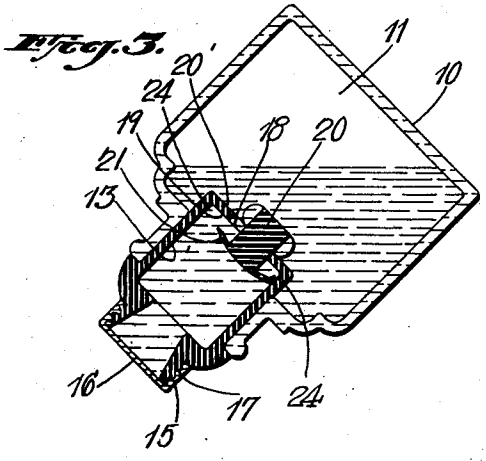
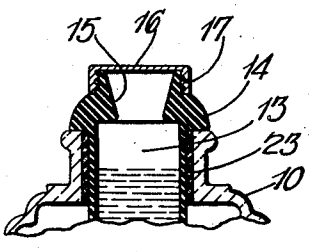


Fig. 4.



INVENTOR

Frank M. Ashley

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INKSTAND

Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, trustee, New York, N. Y.

Application October 14, 1936, Serial No. 105,467
Renewed August 11, 1938

2 Claims. (Cl. 120—69)

My invention relates to inkstands.

The object of my invention is to provide an inkstand at a low cost that may be filled with ink and shipped as a package, and that is formed to provide a dip opening adapted to support a pen-holder that serves to close the opening when the cover has been removed.

In one form, my invention is embodied in a construction which uses an ordinary blown glass ink bottle, and in another form a body portion may be provided of pressed glass suitable for use in a business office and weighing much more than a bottle.

Referring to the drawing which forms a part of this specification:

Fig. 1 is an elevational view of an inkstand package embodying my invention, a part of the bottle being removed to disclose a part of a dip-cup carried in the neck of the bottle.

Fig. 2 is a vertical sectional view of the construction shown in Figure 1.

Fig. 3 is a sectional view showing the bottle tilted in position to fill the dip-cup with ink from the bottle chamber.

Fig. 4 is a fragmental view of the upper end of the bottle in which is shown a cup made of hard material such as plastic or hard rubber.

The bottle 10 shown, is made of glass and comprises a reservoir 11 and a neck portion 12 of usual design.

13 indicates a cup which fits snugly into the neck of the bottle, and is provided with a laterally extending flange 14 which rests on the top of the neck as illustrated, and a dip-tube portion 15 is formed in the upper end of the cup.

A cover 16 is fixed on the top of the cup by means of a thread 17 formed on the outer wall of the dip-tube portion, or may be held thereon by other suitable means to provide a tight cover for shipping purposes.

The lower end of the cup is provided with a circular opening 18 of less diameter than that of the bottom of the cup, to provide a flat inner annular wall 19.

A soft rubber valve 20 comprising a body portion 20' of less diameter than that of the opening 18, is formed with a thin laterally extending flange-like portion 21 which serves as a valve for the opening and is placed in position in the cup by forcing the flexible flange portion thru said opening.

The lower end of the body portion 20 is weighted by a hanging portion formed integral and indicated by 22—22 respectively which project laterally therefrom and serve to prevent the displacement of the valve, as will be readily understood.

The dip-tube serves to support a pen-holder with the pen in the cup, and to act as a cork to close the cup.

In the first three figures, the cup is shown as made of soft vulcanized rubber.

In Figure 4, the cup is shown as made of hard material such as a plastic composition or hard rubber, and in such a construction a ring of soft rubber 23 is used to insure a tight joint between the neck and cup.

It will be seen that the use of the cup does not increase the height of the bottle package materially.

The cup is filled by positioning the bottle as shown in Figure 3, in which position the valve will open and ink will flow into the cup, and by quickly returning the bottle to its normal position of rest, the valve will seat and hold the ink in the cup.

To permit escape of air that may become trapped in the cup during the filling operation, I may perforate the lower end of the wall of the cup to provide small openings thru which the air may escape into the reservoir.

These openings are indicated by 24—24 respectively, and while permitting air to escape thru them, the ink will not pass thru. The cup will fill without the use of these holes but it will fill in a little less time by their use.

The cup construction may be made as a new and independent article of manufacture, and in different sizes as to its diameter, to fit bottles having necks of varying diameters, or a ring such as shown by 23 may be used to fill the space between the cup and the neck of a bottle having a large diameter, as will be readily understood.

Having thus described my invention I claim as new:

1. An inkstand comprising a reservoir for ink and formed with a cylindrical opening in its upper side, a soft rubber cup fitted into said opening and formed with a cone-shaped dip-tube adapted to support a pen-holder which serves as a cork for said opening, a cover for said opening, said cup formed to provide an opening in its lower end, a soft rubber valve having a flexible flange seat, controlling said opening and operating by gravity in the act of filling the cup.

2. An article of manufacture adapted to fit into the neck of a standard type of ink bottle consisting of a soft rubber casing adapted to fit directly into the neck of a standard ink bottle and formed to provide a shallow dip-tube in its upper

end, the bottom wall of the said casing having a central opening therein, a valve controlling said opening formed with a flexible upper portion of greater diameter than said opening and adapted to be passed therethrough, a stem extending from its flexible portion through said opening and having laterally extending projections to limit the movement of the valve, and a cover for closing said dip-tube and chamber in air tight relation.

FRANK M. ASHLEY.