

(No Model.)

W. L. STEWART.  
INKSTAND.

No. 586,878.

Patented July 20, 1897.

FIG. 1.

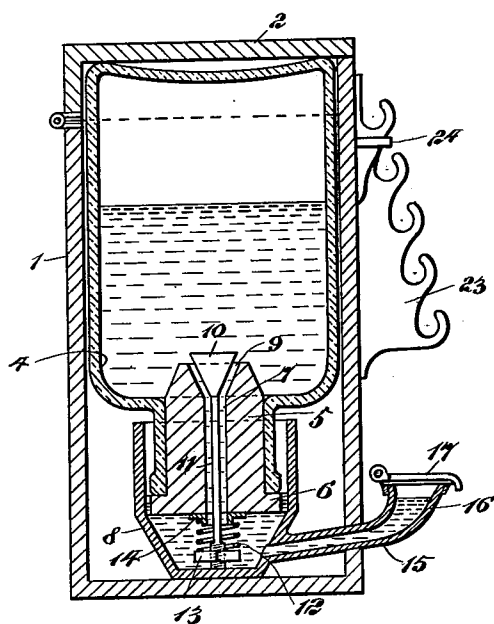


FIG. 2.

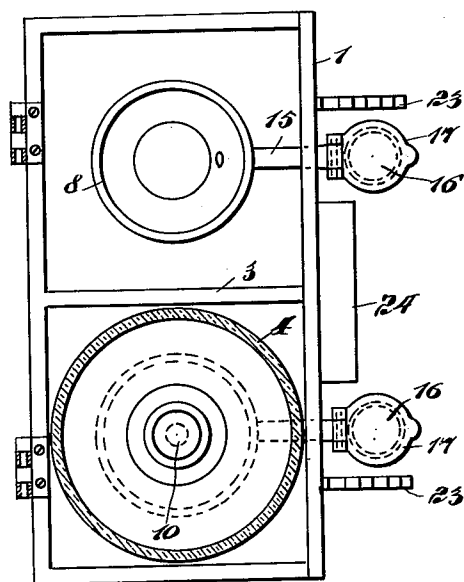


FIG. 3.

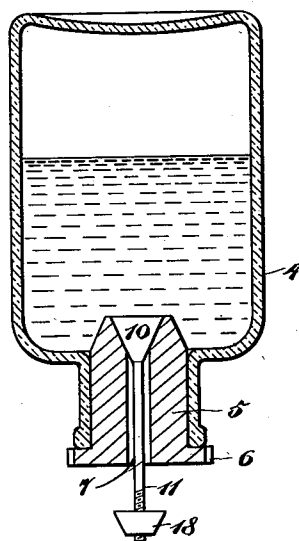
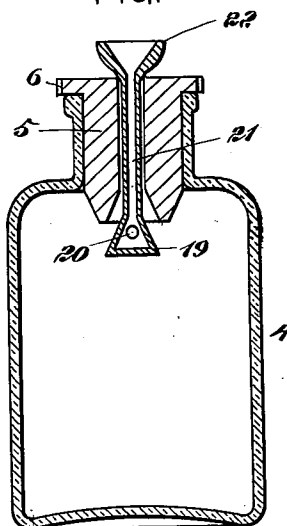


FIG. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM L. STEWART, OF WILMERDING, PENNSYLVANIA, ASSIGNOR OF  
ONE-HALF TO GEORGE B. SNYDER, OF SAME PLACE.

## INKSTAND.

SPECIFICATION forming part of Letters Patent No. 586,878, dated July 20, 1897.

Application filed December 19, 1896. Serial No. 616,289. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM L. STEWART, of Wilmerding, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Inkstand, of which the following is a full, clear, and exact description.

This invention relates to inkstands of the fountain type; and the object is to provide such an inkstand of simple and comparatively inexpensive construction and in which the loss of ink by evaporation is reduced to a minimum.

I will describe an inkstand embodying my invention, and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a vertical section of an inkstand embodying my invention. Fig. 2 is a partial plan and partial section thereof. Fig. 3 is a sectional view of a fount, showing a modified form of valve; and Fig. 4 shows another modified form of valve.

Referring to the drawings, 1 designates a casing of any suitable material—such, for instance, as wood—and having a hinged cover 2. This casing may be made to receive one or more ink-founts. I have here shown it as having a central vertical partition 3, dividing the casing into two compartments, in each of which an ink-fount is placed.

The ink-fount 4 is made in the form of a bottle, and, in fact, the original bottle containing the ink may be used for said fount. Placed in the neck of the bottle is a stopper 5, consisting of cork, soft rubber, or any other desirable material. At its outer end the stopper 5 has an annular flange 6, which engages over the outer end of the bottle-neck, and the inner end of the stopper projects a short distance into the bottle, so as to form a stop for any sediment that might settle in the bottle and prevent the same from discharging through the longitudinal port 7 through the stopper 5.

Arranged within the bottom of the casing 1 is an ink-cup 8, into which the neck portion of the inverted fount or bottle is designed to pass, as clearly shown in Fig. 1. The sides

of this cup 8 extend nearly the entire length of the neck portion, but the cup is wholly open at its top, so that a small amount of air may enter. The inner end of the port 7 is formed into a conical valve-seat 9, in which is designed to engage the correspondingly-shaped valve 10, having a stem portion 11 extended through the port 7. This stem 11 is of sufficient length to engage against the bottom of the cup 8 when the fount is placed in position, and when so placed the valve 10 will be raised out of its seat, so that ink may flow through the port into the fount.

It is designed that when a bottle which may contain ink is lifted from the casing and from the cup 8 the port 7 shall be closed by the valve 10. In Fig. 1 I have shown a spring 12, surrounding the stem 11 between a collar 13 on said stem and the stopper 5. If desired, a ring or washer 14 may be placed between the spring and stopper. Obviously when the fount is lifted upward the spring will cause the valve 10 to move into its seat. Leading from the lower portion of the cup 8 and through the front wall of the casing 1 is an ink-spout 15, terminating in an enlarged mouth 16, which may be provided with a cover 17.

In Fig. 3 I have shown a weight 18 on the stem 11 of the valve 10, which will serve the same purpose as the spring in the example shown in Fig. 1.

In Fig. 4 a conical hollow valve 19 is provided with a port or ports 20 through its side wall, and from this hollow valve a tubular stem 21 extends through the port and stopper and terminates in a funnel-shaped mouth 22, the walls of which will be somewhat thickened to provide a weight to force the valve 19 into its seat when the fount or bottle is inverted, and of course when the bottle is inverted and the valve portion 19 within its seat said seat will effectually close the openings 20 and thus prevent the discharge of the ink. The main object in this tubular valve and stem is to provide a convenient means for refilling the fount or bottle—that is, when the fount or bottle is in an upright position, as indicated in Fig. 4, ink may be poured into the funnel-shaped mouth 22 and will discharge through the openings 20.

The casing 1 may be made as ornamental

as desired, and it may be provided with a pen-rack. As here shown, this pen-rack consists of brackets 23, secured to the front of the casing and having hook portions to receive a penholder, pencils, &c. It may also be provided with a shelf 24 to support a sponge-cup or similar article.

The cup 8 and spout 15 will preferably be made of some non-corrosive material, such as rubber or glass. By employing the casing it is obvious that no dirt or dust can mingle with the ink in the cup 8.

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

1. An inkstand, comprising a casing, an ink-cup in the lower portion thereof and having a spout extended from its lower portion through a wall of a casing, an ink-fount in the form of a bottle and designed to have its neck portion extended into the ink-cup, a tubular stopper for the neck of the fount, a valve for closing the inner end of the opening through the stopper, a stem extended from said valve through the opening in the stopper and adapted to engage against the bottom of the ink-cup, and means for forcing the valve against its seat when the fount is lifted from the casing in an inverted position, substantially as specified.

2. An inkstand, comprising a casing hav-

ing a cover, an ink-cup arranged in the bottom thereof and having a spout leading through a wall of the casing, a fount substantially in the form of a bottle, a stopper for the neck portion of the fount and having an opening longitudinally through it, the inner end of said opening being flared to form a valve-seat, the said stopper also being extended a short distance into the body of the fount, a conical valve adapted to engage in the valve-seat of the stopper, a stem extended from said valve through the opening in the stopper and adapted to engage against the bottom of the ink-cup, and a spring arranged between the stopper and a collar on said valve-stem, substantially as specified.

3. An inkstand, comprising a fount in the form of a bottle, a stopper for the neck of said fount and having an opening longitudinally through it, the said opening being provided with a conical valve-seat at the inner end, a hollow conical valve adapted to engage in said seat and having a port or ports through its side wall, a hollow stem extended from the valve, and a funnel-shaped outer end for said hollow stem, substantially as specified.

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Witnesses:

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