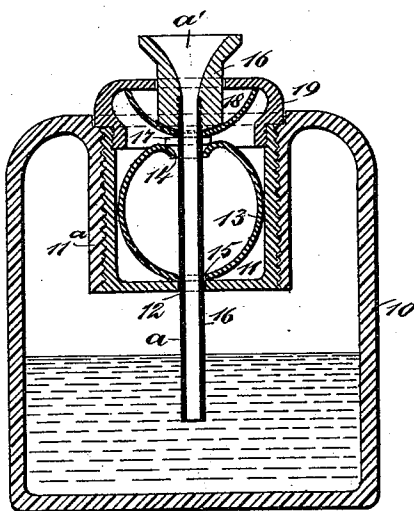
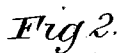
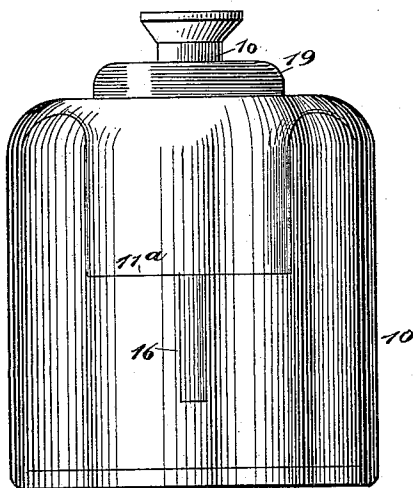
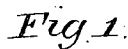


(No Model.)

G. W. GALBREATH.
INKSTAND.

No. 470,119.

Patented Mar. 1, 1892.



WITNESSES:
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UNITED STATES PATENT OFFICE.

GEORGE W. GALBREATH, OF SEDALIA, MISSOURI.

INKSTAND.

SPECIFICATION forming part of Letters Patent No. 470,119, dated March 1, 1892.

Application filed July 28, 1891. Serial No. 400,976. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. GALBREATH, of Sedalia, in the county of Pettis and State of Missouri, have invented a new and useful Improvement in Inkstands, of which the following is a full, clear, and exact description.

My invention relates to an improvement in inkstands, especially to the class known as "fountain-inkstands," and has for its object to provide an article of simple, durable, and economic construction, whereby the moment that a portion of the attachment is pressed downward ink will be caused to flow upward to meet a pen inserted in an opening in the said upper portion of the stand, the pen being the medium for inducing the ink to flow. Thus the ink is presented to the pen only when needed, and ordinarily the ink remains in the body of the stand and is thereby not liable to become thick with dust, grit, or other particles contained in the atmosphere.

The invention consists in the novel construction and combination of these several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a side elevation of the improved inkstand, and Fig. 2 is a central vertical section thereof.

The body 10 of the inkstand may be of any suitable or desired contour or of any proper material, and in the neck of the said body the attachment rendering the stand a fountain one is secured. The attachment consists, preferably, of a dish-shaped cap 11, screwed or otherwise secured to the neck 11^a of the inkstand-body, which neck is ordinarily projected downward into the stand and is internally threaded to receive the cap, as shown in Fig. 2. The cap is preferably made of hard rubber, glass, or equivalent material and is provided in its bottom, which is practically flush with the bottom of the neck, with an opening 12, located, ordinarily, at the center. The cap 11 is quite deep and is adapted to contain within it a compressible hollow ball 13, preferably of flexible rubber. The ball is secured within the cap in any suitable or approved

manner, and at the top and bottom the ball is respectively provided with apertures 14 and 15, the aperture 15 being in the bottom and registering with the opening 12 in the cap. A straight or tapering tube 16, also preferably made of hard rubber, is passed downward through the openings 14 and 15 in the ball and through the opening 12 in the cap down into the inkstand-body, as is also best shown in Fig. 2. The upper end of the tube completely closes the upper opening 14 in the ball, and the ball at this point is secured to the tube. The lower end of the tube is capable of vertical movement in the lower ball-opening 15 and cap-opening 12, but has no side or lateral movement. In the drawings I have illustrated the tube 16 as made in two sections *a* and *a'*, the upper section *a'* being considerably flared or funnel-shaped in construction. The two sections are represented as united by threads, one being screwed upon the other; but they may be otherwise attached, if desired. Between a washer 17 intervening the upper outer surface of the ball and shoulders formed upon the upper section of the tube a cylindrical or semicircular flexible cup 18 is located, the said cup and likewise the washer 17 being made to surround the tube 16 below the upper section *a'* thereof. The concaved face of the cup is ordinarily placed uppermost.

The cap is closed by a shield or cover 19, apertured to enable the upper section of the tube 16 to have movement therein, the aperture being produced in the upper central portion of the shield. This shield is preferably screwed upon the inner upper surface of the cap and is provided with a shoulder adapted to rest upon a recessed surface formed in the body of the inkstand around the neck portion thereof, as shown in Fig. 2. When this shield has been screwed to place, it will compress the cup 18 to such an extent as to cause said cup to force the tube 16 down in the body a sufficient distance to slightly flatten the ball at the top.

Thus in operation when a pen is inserted in the funnel-section of the tube and the said tube is pressed downward it need be pressed but a slight distance to cause the ball to flex inward sufficiently to force the air through the aperture 12 upon the surface of the liquid

and thus force the liquid up through the tube to an engagement with the pen. When pressure upon the tube is relieved, the ball is restored to its normal position and the ink in the tube will return to the reservoir.

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

1. As an improved article of manufacture, a fountain-inkstand consisting of a body portion, an apertured cap secured to the body, a hollow flexible ball carried by the cap and provided with top and bottom apertures, the lower one registering with the aperture in the cap, and a tube carried by the ball, which tube is attached to the ball at its upper apertured portion and extends at its lower end downward within the body of the stand, as and for the purpose specified.

2. In an inkstand, the combination, with the body portion, an apertured cap secured to the body, and a hollow flexible ball carried by the cap and provided with top and bottom apertures, the lower one registering with the aperture in the cap, of a tube carried by the ball, which tube is attached to the ball at its upper apertured portion and extends at its lower end downward within the body of the stand, and a cover or shield permanently secured to the body, in which the tube has movement, as and for the purpose specified.

3. In an inkstand, the combination, with the body thereof, a cap secured to the body and provided with an aperture in its bottom, a flexible hollow ball secured within the cap and provided with upper and lower apertures,

the lower aperture registering with the opening in the bottom of the cap, and a tapering tube secured to the ball at its apertured upper portion, extending beyond the same, and projecting through the lower aperture in the ball and the opening in the cap into the body of the stand, of an elastic cup secured to the upper portion of the tube and a shield secured to the stand, having a bearing upon the elastic cup and provided with an aperture through which the upper end of the tube extends, as and for the purpose set forth.

4. In an inkstand of the fountain type, the combination, with the body of the stand, a cap attached thereto and provided with an opening in its bottom, and a hollow elastic ball located within the cap and having an upper opening and a lower opening, the latter registering with the opening in the cap, of a tube constructed with an upper funnel-shaped section, which tube passes downward through the opening in the ball into the body of the stand, the said ball being attached to the tube near its upper end and the lower end of the tube being free to move vertically in the lower aperture in the ball and aperture in the cap, an elastic cup attached to the tube above its connection with the ball, and a shield securely attached to the stand, which shield normally exerts pressure upon the elastic cup, causing the latter to slightly compress the ball, as and for the purpose set forth.

GEORGE W. GALBREATH.

Witnesses:

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