

(No Model.)

E. SHAFER.
INK BOTTLE.

No. 562,856.

Patented June 30, 1896.

Fig. 1.

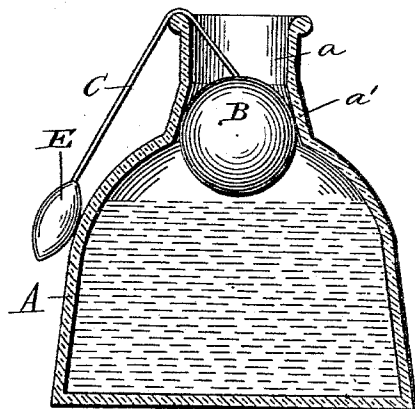
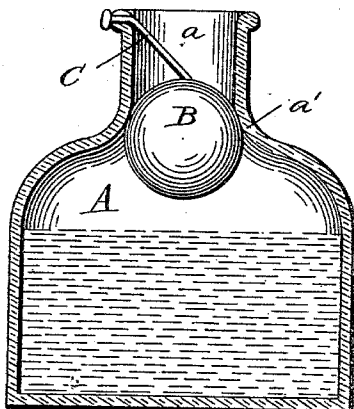


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

ELI SHAFER, OF TEKAMA, NEBRASKA.

INK-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 562,856, dated June 30, 1896.

Application filed February 8, 1896. Serial No. 578,603. (No model.)

To all whom it may concern:

Be it known that I, ELI SHAFER, a citizen of the United States, residing at Tekama, in the county of Burt and State of Nebraska, have
5 invented certain new and useful Improvements in Ink-Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable
10 others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in ink-bottles, and it has for its object, among others, to provide a simple and cheap construction whereby spilling
15 as well as evaporation of the ink is prevented and yet the pen as readily inserted in the bottle whenever it is desired to do so.

The invention embodies a bottle of the usual shape except in the formation of the neck, which is made flaring at its lower end, and a ball arranged within the bottle and having
20 connected thereto a cord or other device, which may either be an elastic cord or a non-elastic cord having attached to its other end a
25 weight. The cord by its elasticity or through the medium of its weight will normally close the opening in the neck of the bottle, but will readily yield to allow of the insertion of the pen.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined
30 by the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part
35 of this specification, and in which—

Figure 1 is a vertical section through my improved ink-bottle. Fig. 2 is a like view
40 of a modification.

Like letters of reference indicate like parts in both views.

Referring now to the details of the drawings by letter, A designates the bottle, which may
45 be of any desired shape and is provided with a neck *a*, which is flared, as seen at *a'*, at its lower portion.

B is a ball or stopper, which may be of rubber, wood, or any other suitable material.

C is a cord attached at one end to the said 50 ball or stopper in any suitable manner.

In practice the ball, which, if of rubber or cork, should be a little larger than the smallest diameter of the opening in the neck, and can be easily compressed so as to be inserted; 55 if of wood it will seat itself and swell enough after it is inserted in the bottle to prevent its coming out. The ball with one end of the cord attached thereto is introduced into the bottle and then a weight E is secured to the 60 other end, which may extend down by the side of the bottle, as shown.

When the cord is elastic, the weight is dispensed with and the outer end of the cord adapted to rest in a notch *f* in the top edge 65 of the bottle, or it may pass through an opening in the neck and provided with a knot.

When the pen is passed or inserted into the neck of the bottle, the ball will be readily forced downward and on removing the pen 70 the ball will rise either by the elasticity of the cord or the weight attached to its outer end and close the opening in the neck; the flaring lower end of the neck serves to guide the ball upward.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages. 75

What is claimed as new is—

A bottle having a ball arranged therein and 80 adapted to close the exit therefrom, and a cord attached at one end to said ball and extended outside the bottle and adapted to exert an influence upon the ball to keep it normally in its uppermost position, substantially as 85 specified.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ELI SHAFER.

Witnesses:

H. V. WHEELER,
JOHN E. SHAFER.