

(No Model.)

H. HOFMANN.
Inkstand.

No. 234,128.

Patented Nov. 9, 1880.

Fig. 1.

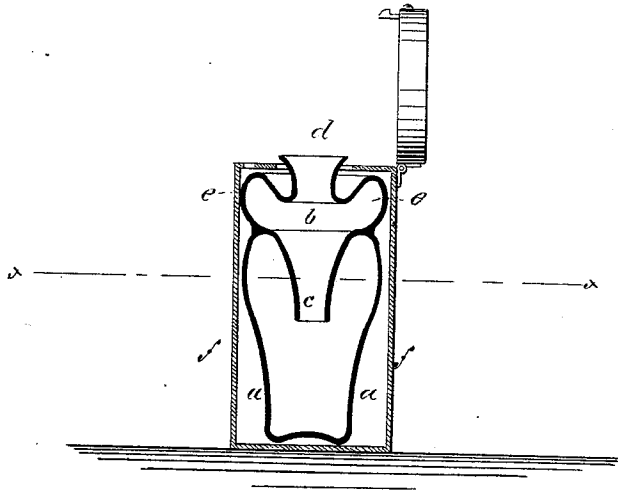
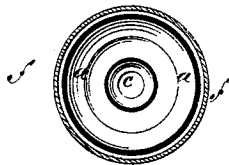


Fig. 2.



WITNESSES:

Carl Kay
Otto Pisch

INVENTOR:

Heinrich Hofmann

BY *Paul Goepfer*

ATTORNEY.

UNITED STATES PATENT OFFICE.

HEINRICH HOFMANN, OF GOTHA, SAXE-COBURG GOTHA, GERMANY.

INKSTAND.

SPECIFICATION forming part of Letters Patent No. 234,128, dated November 9, 1880.

Application filed July 30, 1880. (No model.)

To all whom it may concern:

Be it known that I, HEINRICH HOFMANN, residing at the city of Gotha, in the Duchy of Saxe-Coburg Gotha, in the German Empire, have invented Improvements in Receptacles for Ink and other Liquids, of which the following is a specification.

This invention has reference to an improved receptacle for ink and other liquids, by which the spilling of the contents is prevented, even when the bottle is dropped or violently shaken, so that it is in a high degree adapted for pocket-inkstands, for traveling-bags, and similar purposes.

The invention consists, essentially, of an ink receptacle or bottle made of two chambers, of which the lower or main part contains the ink or other liquid, while the upper part extends, by a funnel-shaped bottom or cone, into the lower part. The upper part is provided with a central funnel-shaped neck, which is set into a depression of the upper part, as will appear more fully hereinafter, and finally be pointed out in the claim.

In the accompanying drawings, Figure 1 represents a vertical central section of my improved receptacle or bottle for ink and other liquids; and Fig. 2, a horizontal section of the same on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

In the drawings, *a* represents the lower main part, and *b* the upper or top part, of my improved ink receptacle or bottle. The lower or main part, *a*, serves for the storage of the ink or other liquid, which is poured into the same through the top part, *b*, which latter-named part is provided with a conical neck, *d*, and with a funnel-shaped bottom part or cone, *c*.

The funnel or cone *c* extends down into the lower or main part of the receptacle. The neck *d* is set into a depression of the upper part *b*, so that the latter forms a kind of upward bulge, *e*, around the same, as shown clearly in Fig. 1.

The length of cone *c* is preferably less than half the height of the lower part, so that when the receptacle is placed upon its side no liquid can pass out through the cone. Should, however, by violently shaking the bottle, a part of the contents escape, the same would be collected in the bulge of the upper part and be prevented from escaping and spilling by the depression around the neck.

The liquid collected in the upper bulge is instantly returned into the main part *a* as soon as the bottle is placed into its upright normal position. The surplus ink which is dropped from the pen is in similar manner conducted, by the neck *d*, inner surface of the bulge *e*, and cone *c*, back into the lower part.

The receptacle may be made of glass, india-rubber, sheet metal, or any other suitable material, and be inclosed in a metal or other box or case, *f*, having a hinged cover, as usual in pocket-inkstands. This case may be of any form or construction. It is not required when the bottle needs no special protection against breakage.

The size of the lower part, *a*, must be in proportion to the amount of the contents to be stored therein.

The neck *d* is closed by a cork or other stopper.

In case the bottle is to be used for acids the contents are removed by means of a glass rod or siphon.

I am aware that receptacles for ink made with a main part having a central cone and with a top part having a cone extending downward into the lower cone, such as shown in the patent of William C. Tilden, dated April 30, 1872, and numbered 126,348, are well known; and I do not claim the same, broadly. My invention differs, however, from the same, in that the upper cone is shortened and then extended upward, so as to form a funnel-shaped neck, which can be closed with greater facility by a cork or by the cover of the box or case.

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

A receptacle or bottle for ink and other liquids, consisting of a main part, *a*, having a central downwardly-extending cone, *c*, and of a top part, *b*, having an upward bulge, *e*, and funnel-shaped neck *d*, all substantially as and for the purpose described.

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

HEINRICH HOFMANN.

Witnesses:

CARL FEHLERT,
BERTHOLD ROI.