

E. R. SMITH.
BOTTLE HOLDER.
APPLICATION FILED NOV. 11, 1919.

1,338,106.

Patented Apr. 27, 1920.

Fig. 1.

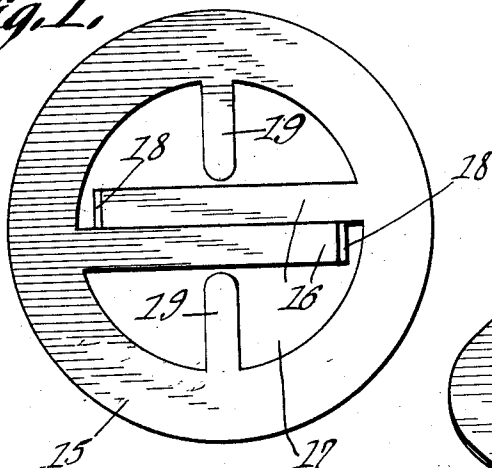


Fig. 2.

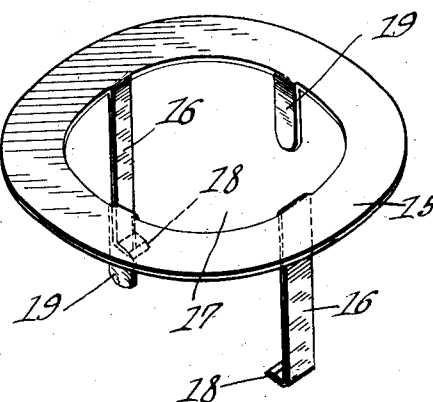


Fig. 3.

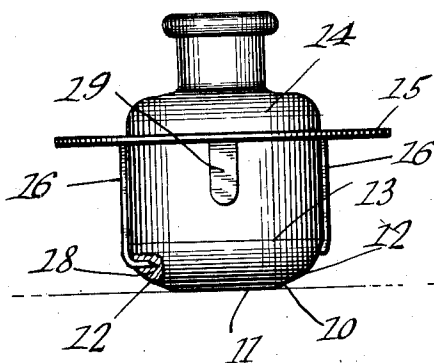
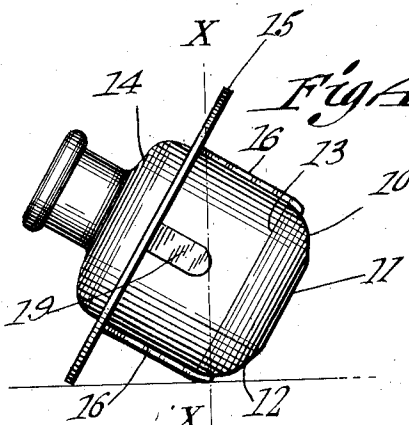


Fig. 4.



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BOTTLE-HOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWIN R. SMITH, a citizen of the United States, residing at Paris, in the county of Lamar and State of Texas, have invented a new and useful Bottle-Holder, of which the following is a specification.

This invention relates to improved bottle holders, the object of the device being to prevent the upsetting of ink bottles or the like, to a degree that ink would be spilled, in combination with automatic means of readjustment of the bottle to its upright position when upset to the degree allowed by the device or mechanism.

The device is adapted for special use in drawing rooms, in connection with bottles containing architectural and drawing inks so as to prevent the same from upsetting the ink therefrom, the device being adapted for interchangeable use, so that a new bottle of ink may be placed therein when the contents of a bottle has been used.

A further object of the invention is to construct the holder in a novel manner permitting its economical production whereby the bottle may be applied thereto in a simple and efficient manner, so as to prevent displacement of the bottle.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying drawings:

Figure 1 is a plan view of a blank showing the construction of part of a holder in accordance with the preferred form of the invention;

Fig. 2 is a perspective view of the device shown in Fig. 1, when bent into position;

Fig. 3 is a side view of the device applied to a bottle;

Fig. 4 is a similar view but showing the bottle in a tilted position, as distinguished from the upright position shown in Fig. 3 of the drawings.

Referring to the drawings in detail, in which corresponding characters designate similar parts throughout the several views, my improved bottle holder is shown com-

prising a base 10 consisting of suitable weight or sufficiently heavy body to hold the bottle in an upright position. This base is provided with a flattened bottom portion 11 and rounded side portions 12, the top thereof being flat and on a horizontal plane parallel to the bottom portion 11 as indicated at 13. Thus, the bottom of the bottle 14, may rest directly upon the top surface 13 of the base 10 in the manner clearly shown in the drawings.

The device comprises a guard which consists of a flat metallic band or ring 15, the central portion of which is stamped out to provide oppositely extending strips or extensions 16, the same extending in opposite directions and stamped from a blank together with the ring, such as suitable sheet metal, preferably of a non-corrosive or non-rusting character. The extensions 16 project throughout the diameter of the openings 17 of the ring, substantially, and in contact at their adjacent edges and parallel to each other on a line extending diametrically of the guard and opening there-through, the free ends of the extensions being preferably sharpened or flattened as indicated at 18, so as to readily penetrate the base 10 when bent at right angles to the ring, as shown in Figs. 2, 3 and 4 of the drawings, whereby a substantially integral construction is produced.

Extending at right angles to the extensions or strips 16 are short strips 19, the same extending toward each other in alignment and correspondingly projecting inwardly on the inner edges of the ring so as to be readily formed from a blank section of sheet metal of circular outline. These strips 19 are bent downwardly in contact with the bottle when the latter is in position within the guard ring, thus preventing the bottle from being displaced through the openings at the sides of the guard, between the extensions 16, in addition to acting as clamps to hold the bottle in position in the stand. It is of course to be understood that the bottle may be readily held within the stand or removed as desired thus permitting the placing of a new bottle therein, when one has been emptied.

The flattened portion of the base is designed to hold the bottle in an upright position when setting up normally and the rounded portion extending to the top plane entirely around the base, such as to permit

the return of the bottle together with its holder to an upright position, should the same be tilted in the manner shown in Fig. 3 of the drawings when, the guard 15 will engage the supporting surface and limit the tilting of the bottle to such an extent as will prevent the ink from spilling therefrom. The weight of the base 10 is sufficient to keep the bottle from tilting to such an extent that the center of gravity will always be maintained to the right of the vertical line $x-x$ as otherwise the bottle will tilt over and spill the contents thereof. Also, the ring or guard forms a natural stop or check to the overturned bottle and the lead or similar weighted base, serves to instantly return the holder and the bottle to an upright position.

It is also apparent that the base may be of any other suitable material or combination of materials and that instead of joining the parts as specified, to produce an integral structure, they may be formed either detachably or integrally, as a casting or otherwise.

I am aware that saltshakers and other articles are constructed on the principle of having a heavier base for the purpose of similarly uprighting themselves but in this instance merely a heavy base would not be practical in construction and operation, since it is necessary to provide means to limit the tilting and upsetting of the holder and bottle to a degree which will prevent the spilling of the contents. This function is served by the ring or guard, which in addition to the weight, serves to instantly return the bottle to an upright position and limits the tendency to overturn, when tilted. Also, in the use of the device in connection with a saltshaker, or the like, the device is incorporated in the article itself, while in the present instance a separate article forming a holder for a bottle, or a stand, in which the bottle is to be protected is devised. But, the essential feature of the device is that it is substantially cup-shaped so as to form a holder or stand for the bottle, which may be inserted therein or removed at will, in conjunction with the guard or ring which is positioned near the top portion of the body of the bottle so as to limit the turning thereof as specified.

Having thus described the invention what is claimed is:

1. A bottle holder comprising a base portion and a body portion adapted to receive a bottle therein, said body portion having a rounded bottom being provided with a guard near its top adapted to limit tilting of the bottle holder and the bottle therein.

2. In a bottle holder, a body portion provided to receive the bottle with the neck of the bottle projecting therefrom, said body being provided with a projection designed

to limit the tilting thereof, and means to return the holder and the bottle to an upright position.

3. In a bottle holder, a body portion provided to receive a bottle and having a weighted base provided with a convex bottom, designed to hold the body in an upright position and to automatically right the same when tilted, and means to detachably hold the bottle in the holder.

4. A bottle holder comprising a weighted base provided with parallel top and bottom portions, said bottom portion being flat and provided with a rounded side portion adapted to cause the return thereof to an upright position when tilted, and a bottle receiving portion designed to support the bottle upon the top of the base, said bottle receiving portion having a guard ring extending outwardly therefrom.

5. A bottle holder comprising a body portion having an outwardly extending ring encircling the same, said holder being designed to removably receive and clamp the bottle therein, and provided with a base portion adapted to support the bottle in an upright position and having a rounded edge portion adapted when the bottle holder is tilted, to return the bottle to an upright position under the action of said base portion.

6. A bottle holder comprising a ring having stamped integral inwardly extending strips adapted to be bent at right angles, and a base portion of lead, designed to receive said strips at their lower extremities thereby to hold a bottle in the holder between said strips and resting on said base.

7. A bottle holder comprising a circular plate stamped to provide oppositely extending strips extending substantially the entire width of the open portion, and strips extending at right angles thereto, and shorter than the first mentioned strips, said strips being bent at right angles to provide an outstanding ring, and a base to which the extremities of the longer strips are anchored, said base forming a weight designed to hold the bottle engaged in the holder in an upright position, and the short strips being provided to clamp the bottle in the holder.

8. A bottle holder comprising a ring having bent integral inwardly extending strips adapted to be bent at right angles, and a base portion of malleable metal designed to receive said strips at their lower extremities thereby to hold a bottle in the holder between said strips and resting on said base.

9. A bottle holder for ink bottles particularly adapted for drafting purposes, comprising an apertured receiving guard adapted to receive and hold a bottle therein, said guard being provided with means to automatically upright the same and the bottle, and having means to limit the tilting thereof.

10. A holder for small mouthed ink bottles such as adapted for containing drafting ink, comprising a substantially cup-shaped member having a weighted bottom portion adapted to retain the holder in an upright position, said holder being provided at the top edge thereof with an annular circumscribing outstanding flange adapted to form a stop to limit the tilting of the holder and bottle.

11. A bottle holder for ink bottles particularly adapted for drafting purposes, comprising a bottle receiving member adapted to receive the body of a bottle therein with the neck portion projecting therefrom in an upright position, said member being provided with means to automatically upright itself and having a circumscribing outstanding flange adapted when said member is tilted to limit the tilting of the holder and bottle by contact of said flange with the surface on which the device is supported.

12. A holder for bottles including a substantially cup-shaped member adapted to receive a bottle therein with the neck of the bottle protruding, said member comprising a body receiving portion having a projecting flange near its top.

13. A holder for ink bottles of the class described, comprising a relatively flat plate stamped to provide oppositely extending strips within the edge thereof, said strips being bent substantially at right angles to the plate and the plate being open at the center to receive a bottle therein, the ends of certain of said strips being bent inwardly for attachment to a base member.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EDWIN RUTHVEN SMITH.

Witnesses:

W. A. HUTCHISON,
ELMA McCracken.