

No. 872,973.

PATENTED DEC. 3, 1907.

F. RESDERK.
INK WELL.

APPLICATION FILED MAY 29, 1907.

Fig. 1.

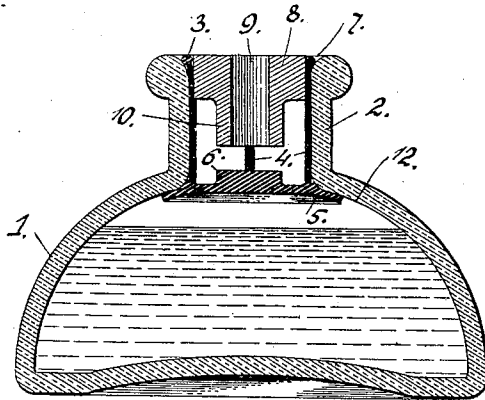


Fig. 2.

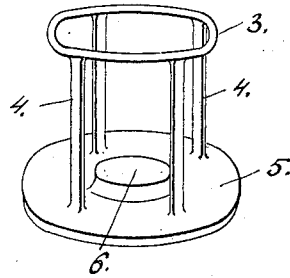


Fig. 3.

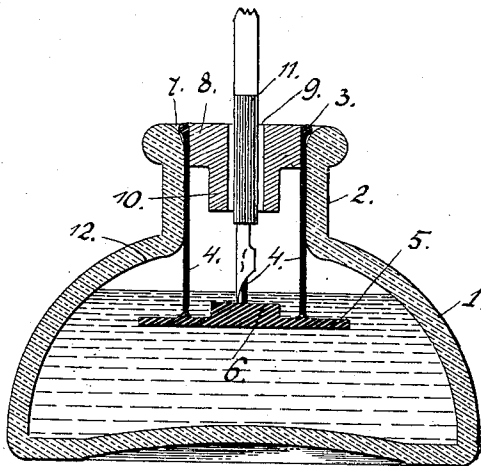
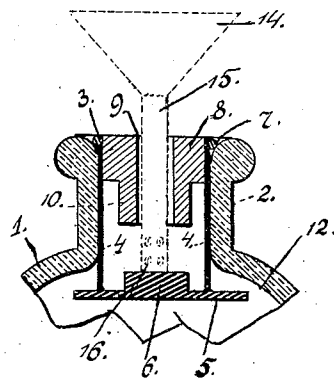


Fig. 4.



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FRANK RESDERK, OF ROSCOE, PENNSYLVANIA.

INK-WELL.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK RESDERK, a subject of the Emperor of Austria-Hungary, residing at Roscoe, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Ink-Wells, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in ink wells and bottles, and the invention has for its object to provide an ink well or bottle with a novel attachment for normally sealing and closing the ink well or bottle whereby should the same be accidentally tilted or upset, the contents thereof will not be spilled.

Another object of this invention is to provide a simple and inexpensive attachment for ink bottles which will normally seal a bottle and prevent the evaporation of ink or writing fluid contained therein, but which will permit of a pen being introduced into the bottle for the purpose of obtaining the amount of ink necessary for its use.

With the above and other objects in view, which will more readily appear as the invention is better understood, the same consists in the novel construction, combination and arrangement of parts to be hereinafter more fully described and then specifically pointed out in the appended claims.

Referring to the drawing forming part of this specification, in which like numerals of reference designate corresponding parts throughout the several views, Figure 1 is a vertical sectional view of an ink bottle equipped with my improved attachment, Fig. 2 is a perspective view of the attachment, Fig. 3 is a vertical sectional view of the ink bottle illustrating the manner in which the pen receives ink. Fig. 4 is an elevation of a funnel used for filling an ink bottle equipped with my improved attachment.

In the accompanying drawing, 1 designates a conventional form of ink bottle having a neck 2, in which I locate my improved attachment. The attachment is constructed of rubber or a similar resilient material and comprises a ring or annulus 3, carrying depending elastics 4 to the lower ends of which is secured a sealing disk 5 having a central enlargement 6. The ring or annulus 3 is held upon the flared end 7 of the bottle neck 2 by a stopper 8, said stopper having a vertically disposed opening 9 terminating in the con-

tracted end 10. The contracted end of the stopper extends within close proximity to the enlargement 6 of the sealing disk 5 when the latter is in its normal position, and besides retaining the attachment in the bottle neck, the stopper serves to guide a pen 11 to the sealing disk.

By referring to Fig. 1 of the drawings it will be observed that the disk is normally held in engagement with the breast 12 of the bottle by the elastics 4, and when the pen 11 is inserted in the bottle and pressed therein, the sealing disk 5 is lowered into the writing fluid within the bottle, thus permitting the pen to pass into the writing fluid and receive the desired quantity of ink upon the point of the pen 11. The elastics 4 are adapted to return the sealing disk to its normal position when the pen 11 is removed or pressure upon the same relieved, the sealing disk closing the neck 2 of the bottle and preventing the writing fluid from evaporating or spilling should the bottle be accidentally tilted or upset.

In order that the bottle can be filled with writing fluid without removing the stopper 8, I use a funnel 14 having a tube 15 provided with openings 16 at its lower end. The tube 15 is inserted in the opening 9 of the stopper 8 to engage the central enlargement 6 of the sealing disk 5, and by pressing downwardly upon the funnel 14, the sealing disk can be opened, at which time writing fluid can be poured into the funnel to pass through the tube 15 and opening 16 into the bottle.

The attachment can be molded in one piece and the stopper 8 can be made of glass or a material that will not be affected by the rubber attachment. The resiliency of the attachment permits of the same being bent and doubled to enter the neck of the bottle, the sealing disk assuming its normal shape after passing through the neck of a bottle.

By forming the attachment of rubber or a similar non-metallic material, the parts can be readily molded in a single piece, each of the elements of the attachment being formed integral with each other. Furthermore, the material being non-metallic, there is no liability of the parts being corroded to such an extent as to damage the ink contained within the bottle, nor is there liability of the rusting of the parts, such as would be present were the parts formed of metal.

Having now described my invention, what I claim is:—

1. The combination with an ink bottle

having a neck, of a rubber attachment mounted therein, said attachment comprising an annulus or ring, depending elastics, a sealing disk carried by said elastics and having a central enlargement, a stopper for retaining said ring or annulus in the neck of said bottle; said stopper having a vertically disposed opening formed therein.

2. The combination with a bottle having a neck, of an attachment mounted therein, said attachment comprising a sealing disk of greater diameter than and adapted to close the neck of said bottle, a stopper for holding said attachment in the neck of said bottle, said stopper having an opening formed therein, and means within said bottle neck for resiliently supporting said sealing disk, said disk and its supporting means being formed integral and of a non-metallic material.

3. In an attachment for ink bottles a resilient annulus or ring, depending elastics carried thereby, and a sealing disk carried by the lower ends of said elastics, said parts being formed integral with each other.

4. In an attachment for ink bottles a resilient sealing disk, a stopper having an opening formed therein, said disk being of greater diameter than the stopper, and means held by said stopper for resiliently supporting said disk, said disk and its supporting means being formed integral and of a non-metallic material.

5. The combination with an ink bottle, of a sealing disk therefor normally supported within the bottle below and in contact with the bottle neck, said disk being of greater diameter than the inner diameter of the neck, and being also yieldably-supported to permit access to the contents of the bottle, said disk and its supporting means being formed integral and of a non-metallic material.

In testimony whereof I affix my signature in the presence of two witnesses.

FRANK RESDERK.

Witnesses:

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