June 17, 1930. L. B. PROSNITZ 1,765,284

INK WELL CLOSURE

Filed Nov. 6, 1928

Fig. 1.

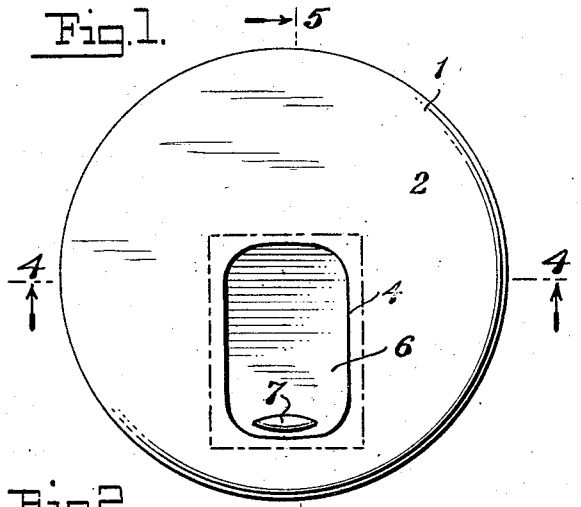


Fig. 6.

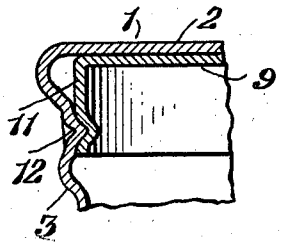


Fig. 2.

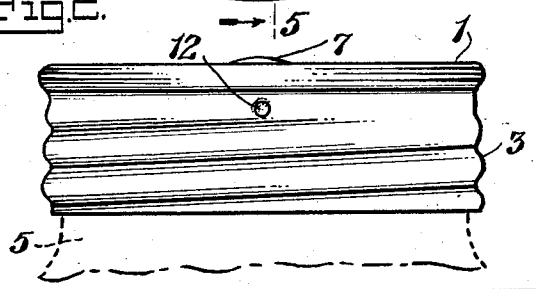


Fig. 4.

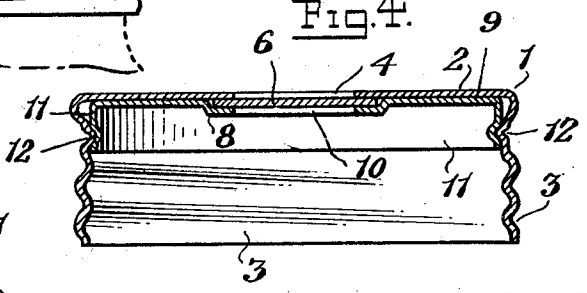


Fig. 3.

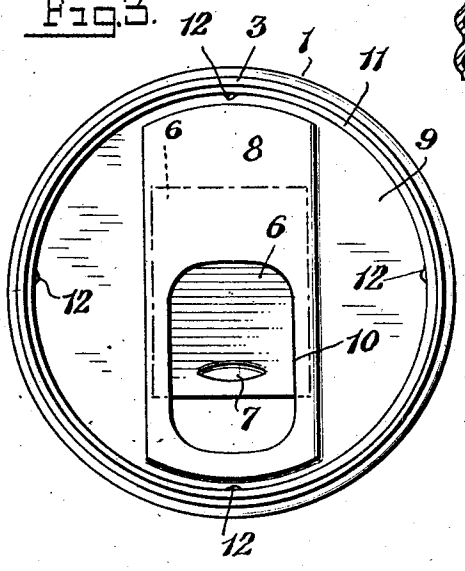
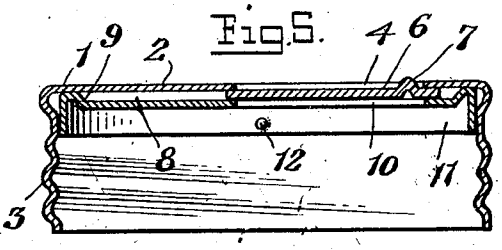


Fig. 5.



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UNITED STATES PATENT OFFICE

LUDWIG B. PROSNITZ, OF NEW YORK, N. Y., ASSIGNOR TO JACOBUS SCHOOL PRODUCTS CO., INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

INKWELL CLOSURE

Application filed November 6, 1928. Serial No. 317,587.

This invention relates to an improvement in covers or closure caps intended for use upon ink-wells, ink-bottles or similar receptacles and it has for its object to provide a device of this character which shall be simple in construction; which shall be composed of a minimum of parts and thus capable of economical and swift assembly; which shall be of sturdy construction, and which shall by reason of its construction tend to keep the contents of the vessel to which it is applied covered to prevent evaporation or congealing of the same.

While I have above stated that my improved cover or closure is primarily intended for use upon ink-wells or ink bottles, it will be understood that the same may be readily used upon bottles intended for containing other liquids or powders, and I therefore do not limit my invention to any one particular application of the same.

Referring to the accompanying drawing:

Figure 1 is a plan view of one embodiment of my invention, showing the parts thereof in the position that they occupy when the cover is closed;

Figure 2 is a side elevation of the same;

Figure 3 is a view of the underside of the cover, showing the slide in a partly open position;

Figure 4 is a sectional view on the line 4—4 of Figure 1, looking in the direction of the arrows;

Figure 5 is a sectional view on the line 5—5 of Figure 1, looking in the direction of the arrows; and

Figure 6 is an enlarged detail in section of part of the cover and inner plate, showing the means utilized for retaining the inner plate within the cover.

Throughout the various views of the drawings, similar reference characters designate similar parts.

In the embodiment of my invention disclosed in the accompanying drawing, 1 indicates the cap or cover member which is preferably made of thin sheet metal. The same is provided with a flat plate-like top 2 which has an integral peripheral flange 3 that extends downwardly from its side edges and is threaded so that the cap may be received upon the upper end of an ink-well or other suitable receptacle, a part of which is diagrammatically illustrated at 5 in Figure 2.

The top plate 1 of the cover member is provided with an elongated opening 4 to permit the insertion of a pen into the well on which the cover may be attached, or if desired, to permit the contents of the vessel to be poured out when required, without the necessity of removing the cap from its position on the well or other vessel. This opening 4 is intended to be normally closed by a sliding closure plate 6 which is capable of sliding movement to cover or uncover the opening 4.

The sliding plate 6 is provided near its front edge with a pressed-up hump 7 in order that the sliding movement of the plate 6 across the opening 4 may be facilitated since said hump permits of ready engagement with the finger or the pen-point of a pen seeking insertion into the ink-well.

The sliding plate 6 is maintained in a channel-like guide-way or groove 8 formed by distorting downwardly a portion of a disk-like inner metal plate 9 which conforms in shape to the cover 1 and thus snugly fits within the flange 3 of the cover and is fixedly held therein. The guide-way or groove 8 is so located on the plate 9 that it lies directly below the opening 4 in the cover member, and said guide-way is provided with a corresponding opening 10 which is located in registration with the opening 4. Thus, when the sliding plate 6 is moved rearwardly to uncover the opening 4, it serves also to uncover the corresponding opening 10 in the inner plate member 9 whereby access to the contents of the vessel is had.

The inner plate member 9 is provided with a short perihpheral, downwardly extending skirt or flange 11 which fits closely within the flange 3. At several spaced points the two flanges 3 and 11 are united by punched-in parts 12 on these flanges which nest or interengage. Through this arrangement the inner plate 9 is securely held in position within the cover member 1,

and said inner plate 9 acts to provide a guide-way for the sliding plate 6. The necessity therefore, of in any way piercing or mutilating the cover member 1 for the purpose of providing retentive means for the sliding plate 6 is obviated, with the result that the finished cap presents a smooth unbroken appearance when viewed exteriorly.

From the foregoing, the many uses to which my improved closure cap may be put will be readily comprehended. When applied to an ink-well it may be closed or opened with a simple sliding movement thus requiring a minimum of effort. When applied to other vessels, it permits the contents to be kept clean and sanitary since the vessel to which it is applied may be covered or uncovered in an instant.

Having described one embodiment of my invention, it is obvious that the same is not to be restricted thereto, but is broad enough to cover all structures coming within the scope of the annexed claim.

What I claim is:—

A closure cap for ink-wells having an outer cap-shaped member provided with a downwardly extending peripheral threaded flange adapted to be received on a threaded ink-well top, a similarly shaped metal inner member provided with a shorter skirt-like flange closely fitting within that on the outer member and ending at the upper termination of the threaded portion thereon, the flanges on both members being punched together at spaced points, the inner member being provided with a downwardly depressed channel-like groove of uniform depth terminating adjacent diametrically opposite points on the flange of the inner member, said inner and outer members having registering pen-receiving openings and an imperforate slide movable in the groove between the inner and outer members.

Signed at the city, county and State of New York, this 5th day of November, 1928.

LUDWIG B. PROSNITZ.