No. 684,384. Patented Oct. 8, 1901.

D. H. ROWE.

INK WELL.

(Application filed June 10, 1901.)

(No Model.)

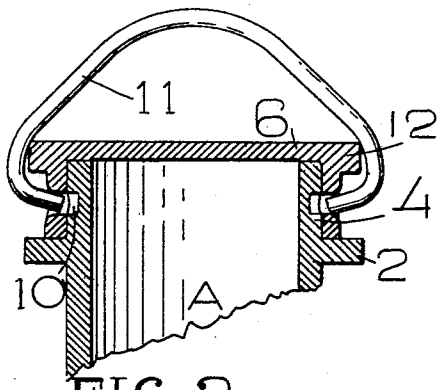
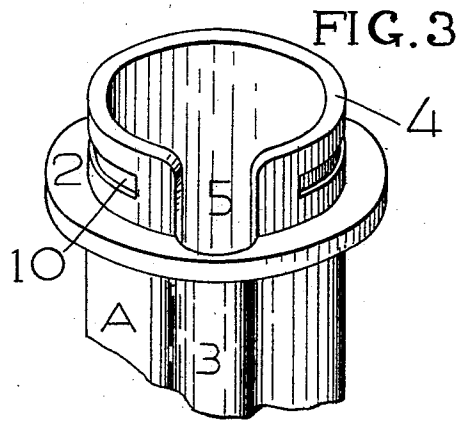


FIG. 2.

FIG. 3



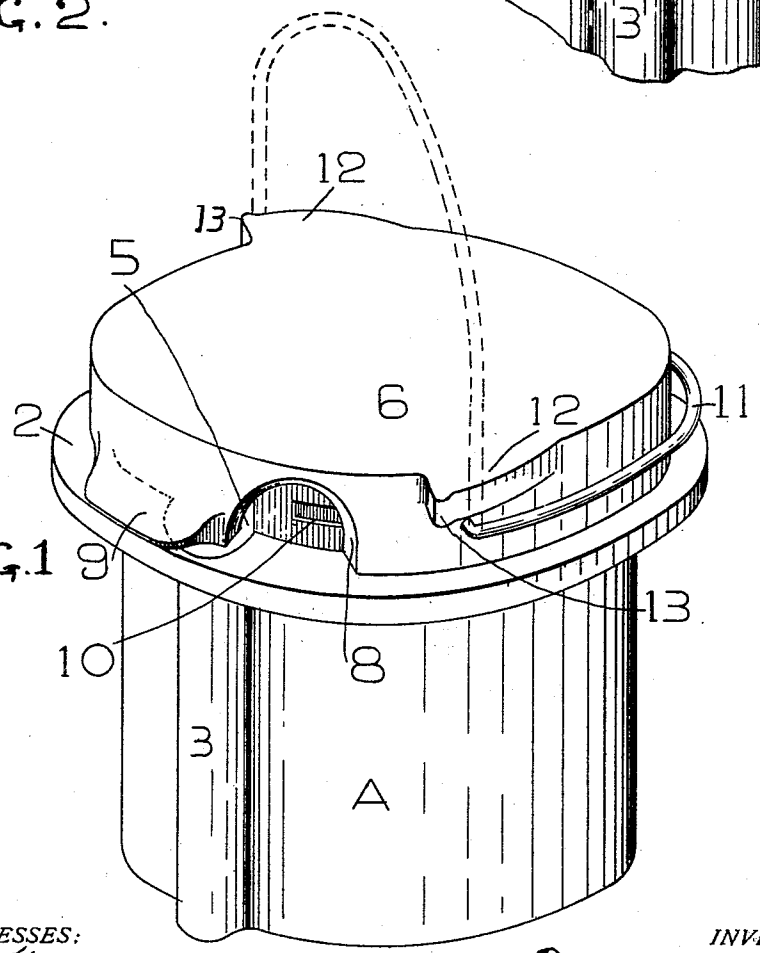


FIG. 1

WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID HIRAM ROWE, OF EAST OAKLAND, CALIFORNIA, ASSIGNOR TO TRUE ROWE & CO., OF SAME PLACE.

INK-WELL.

SPECIFICATION forming part of Letters Patent No. 684,384, dated October 8, 1901.

Application filed June 10, 1901. Serial No. 63,970. (No model.)

To all whom it may concern:

Be it known that I, DAVID HIRAM ROWE, a citizen of the United States, residing at East Oakland, county of Alameda, State of California, have invented an Improvement in Ink-Wells; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to ink-wells of that class which may be fixed in desks or similar structures; and its object is to provide a permanent dust-proof cover, with means for conveniently opening and closing to obtain access to the well.

It consists in a means for operatively attaching the cover to the well and means for releasing it, so that it can be removed when desired.

It also comprises details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 represents an ink-well embodying my invention. Fig. 2 is a sectional view of the upper portion of the well with the cover in place. Fig. 3 represents the upper portion of the well with the cover removed.

A is the body of the well, which may be made of glass or any suitable or desired material and has an annular rim or flange 2 around the periphery and near the top.

The depth of the well is sufficient to hold a reasonable quantity of ink, and at one or more points on the exterior of the well is a vertical projecting rib, as 3, so that when the well is set into a socket bored or excavated for the purpose a groove is formed in the side of the socket to receive the rib, and thus hold the well in position. Above the flange 2 is an extension 4, formed integral with the remainder of the well, and an opening 5 is made through one side of this extension and also extending into the top of the rim or flange 2, through which it passes at an inclination, as shown. This is for the purpose of admitting a pen, which can be thrust through this opening into the ink-well.

In order to close well and keep dust out of it, I have shown a cap 6 of sufficient depth to fit over the upwardly-projecting extension 4, and the hollow interior of the cap fits turnably around this extension. Upon one side the cap has an opening made through it, as at 8. This opening is of such form that when the cap has been turned so as to cause the opening 8 to coincide with the opening 5 in the well the two form an approximately round opening, through which the pen can be readily introduced. The cap 6 has on one side a lip or projection 9, which extends out over the top of the flange 2 and just at one side of the opening 8. This extension is of such size that when the cap has been turned to bring the extension over the opening 5 through the flange 2 it will close the opening entirely, and when the cap is turned in the other direction sufficiently the two openings 5 and 8 coincide, so that the well can be used. In order to properly secure the cap and prevent its removal from the well, while allowing it to turn freely, I have shown the extension 4 as having a groove or channel 10 made around it to within a short distance of the vertical edges of the opening 5, which is made through it. In the sides of the cap 6 are holes 7, through which project the ends of an elastic keeper 11, which ends enter the groove or channel, and thus retain the cap in place. In the present construction I have shown this keeper in the form of a bail curved in such a manner that it passes about half-way around the exterior of the cap, in close proximity thereto, and the ends being bent sharply inward pass through the holes 7 in the cap, which are in alinement with the groove 10, so that the elasticity of the bail, being made of spring-wire or some equivalent, will cause the ends to enter the groove, while the bail lies snugly around the outside of the cap. When it is desired to remove the cap, it is necessary to withdraw the ends of the bail from the groove. In order to do this conveniently, I have shown lugs 12 fixed upon opposite sides of the cap and just above the holes through which the ends of the keeper pass. These lugs slope down to the surface of the side of the cap, so that when the bail is turned up to stand vertically its sides pass over the lugs and are spread out, thus withdrawing the ends from the groove and allowing the cap to be lifted off from the well, so that the latter can be filled or cleaned. In order to prevent the

bail being turned too far beyond the perpendicular or so as to drop over the front, I prefer to make these lugs with projecting stops or enlargements, as at 13, so that when the bail has been raised into an upright position, that is, the limit of its movement, the ends are withdrawn from the groove. When pushed downward or backwardly, the bail passes off from the lugs, and when it lies in its normal position around the outside of the cap its elasticity causes the ends to enter the groove, and it will then be turnably locked to the well and can be easily turned to either close or expose the pen-opening, as previously described.

The cap may be made of any suitable material and is preferably made of glass to form with the body A an all-glass ink-well.

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

1. The combination of a well circumferentially grooved and having an opening in the vertical wall near the top, a cover having a depending flange to fit over the top of the well and provided with an opening adapted to register with the first-named opening, a bail having its ends passing through openings in said flange and fitting said circumferential grooved portion, and means rigid with the cover whereby the bail may be expanded to withdraw the ends thereof from the groove to permit the removal of the cover.

2. An open-topped ink-well circumferentially grooved and having an annular flange between the top and bottom, and having an opening made through the side between the upper edge and the flange, a flanged cap turnably fitting the well above the flange and having an opening adapted to register with the opening in the side of the well, said cap having inclines on its opposite sides and having a laterally-projecting lip adapted to close the opening in the flange, and means for turnably connecting the cap with the well including a bail having elastic keepers passing through the flange of the cap and entering the grooves in the well said keepers expansible by said inclines to permit the removal of the cap.

3. An ink-well consisting of a body having an open top, a peripheral flange around the upper part, a side opening above and extending into the top of the flange, a cap turnable about the upper part of the well having an opening adapted to coincide with that of the side of the well and a lip by which the opening in the peripheral flange is closed by turning the cap, a groove or channel made around the well above the flange, an elastic bail having the ends turned inwardly through holes in the sides of the cap so as to engage the groove in the well and secure the cap thereto, said cap having inclines with which the bail contacts to withdraw the ends of the bail from the groove whereby the cap may be removed from the well-body.

4. An ink-well consisting of a body having an open top, a peripheral flange around the upper part and provided with an opening in the side and in the upper part of the flange, a cap turnable around the upper part of the well, its base resting upon the flange and having an opening adapted to coincide with that in the side of the well and a lip by which the opening is closed by turning the cap, an annular groove made around the well above the flange, an elastic bail having the curvature to approximately fit the exterior curvature of the cap, and inwardly-turned ends, holes through the cap through which the said ends pass and enter the groove in the well whereby the cap is turnably retained in place, and lugs formed upon the side of the cap over which the bail is movable when raised into a vertical position whereby it is expanded and the ends disengaged from the groove in the well.

5. An ink-well consisting of a body having an open top, a peripheral flange around the upper part and provided with an opening in the side and extending into the upper part of the flange, a cap fitting over the top of the well above the flange having an opening adapted to coincide with that in the side of the well, a lip by which the opening in the flange and well is closed by turning the cap, means for turnably securing the cap to the well consisting of an elastic bail having the ends turned inwardly and extending through the holes in the side of the cap, a groove around the well above the flange into which the ends of the bail enter, and lugs on the side of the cap over which the bail is passed to withdraw the ends and release the cap, and stops to limit the movement of the bail.

In witness whereof I have hereunto set my hand.

DAVID HIRAM ROWE.

Witnesses:
ALBERT SCHMIDT,
C. CARROLL MARSH.