

L. E. EICKELBERG.
 INK WELL FILLER.
 APPLICATION FILED NOV. 17, 1911.

1,043,218.

Patented Nov. 5, 1912.

Fig. 1.

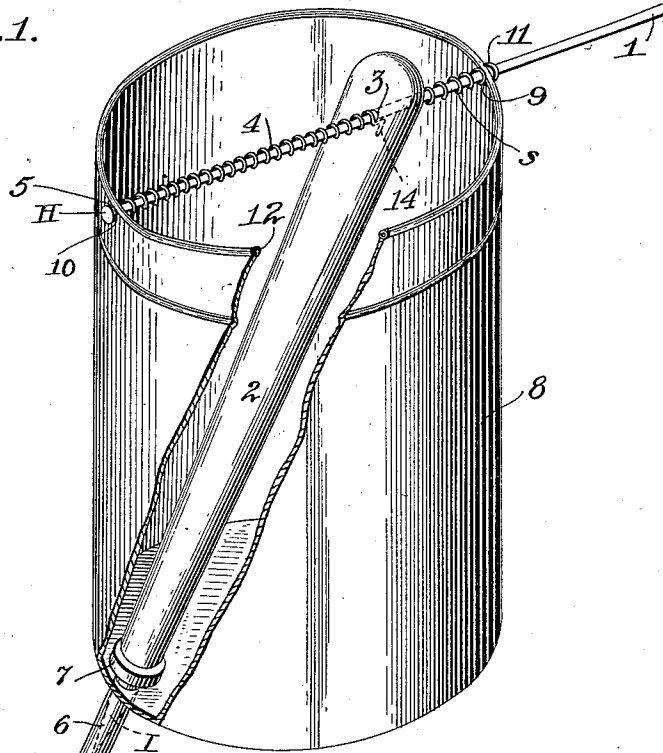


Fig. 2.

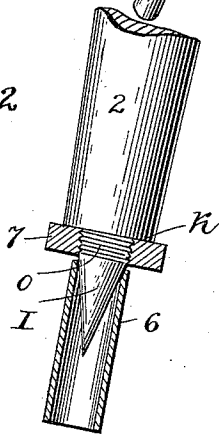
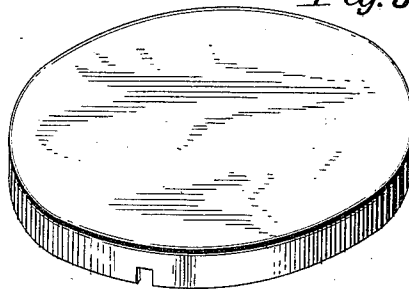


Fig. 3.



Witnesses:

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INK-WELL FILLER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LOUIS EDWARD EICKELBERG, a citizen of the United States of America, and resident of Adrian, in the county of Nobles and the State of Minnesota, have invented certain new and useful Improvements in Ink-Well Fillers, of which the following is a specification.

In the accompanying drawings, which form a part of this specification similar figures refer to similar parts.

The object of my invention is to provide an ink well filler which is substantial, easily assembled and repaired, and which shall be cheap, and at the same time, quick and perfect in operation.

In the accompanying drawings, Figure 1 shows an assembled ink well filler with the wall of the can cut away to show the position of the internal parts. Fig. 2 is an enlarged view of the plunger 2 where it enters the tube 6. Fig. 3 represents a cover for the filler when not in use.

This ink well filler consists of a suitable vessel 8 diametrically perforated at 5 and 9 to admit the wire handle 1, and provided with a tube 6 near the periphery of its bottom. Said tube may be formed in the bottom or soldered into an opening in the bottom of the can. A wire 12 gives strength and form to the top of the vessel.

The plunger 2 occupies a diagonal position in the can, has a perforation 3 near one end to receive the handle 1 and the end of the spring 4; and, at the other end, is formed into a long cone I, which guides the plunger 2 in the tube 6, and is of such a diameter above as to fill the tube 6. Over the cone I a washer 7 is fitted snugly against the shoulder K of the plunger 2. The cone I and the washer 7 completely stop the flow of the ink when the plunger is under the tension of the spring 4. To facilitate the retention of the washer 7 in its position on the plunger 2 the upper surface of the cone may be roughened as shown at O.

The one end of the coil spring 4 is secured to the can by screwing its coils in the opening 5 and the other to the plunger by a hook entering the opening 3. When a coil spring S is placed over the handle 1 back of the plunger 2, no means of fastening need be provided.

The handle 1 is a straight piece of wire

headed at one end and provided with a retention washer at 11.

To assemble the filler, screw one end of the spring 4 in the opening 5; and, after inserting the cone I of the plunger 2 in the tube 6, hook the other end of the spring in the opening 3. Insert the handle 1; and, with a pair of pliers, secure the washer 11 to the handle.

To operate the filler, grasp the end of the handle 1, with the thumb over the top of the plunger 2. Place the small tube 6 of the filler over well to be filled and draw the plunger toward the washer 11. When the well is full, release the pressure of the thumb and the spring will force the cone I into the tube 6 and the washer 7 upon the tube, thus stopping the flow of the ink.

In case it becomes necessary to replace parts or repair the filler, it is merely necessary to remove the handle 1.

Having fully described my invention, what I claim is,—

1. In an ink well filler, the combination of a vessel provided with perforations near the top and an outlet tube in the bottom, with a diagonal plunger having at one end means to close said tube and a perforation at the other end, a handle passing through the perforations in the vessel and plunger, and a spring fitting over said handle and adapted to force said closing means into said outlet tube, as shown and described.

2. An ink well filler consisting of a suitably formed and perforated vessel having an outlet tube in the bottom, a diagonal plunger, shouldered at one end to receive a washer and tapered to form a closure for said outlet tube, said plunger having a perforation at the other end, a handle entering the perforations of said vessel and plunger, a spring loosely fitting over said handle and adapted to stop the flow of ink by forcing said closure into said outlet tube, said handle so entering the perforations and supporting said spring that by withdrawing it all parts are disassembled, as shown and described.

Signed at Adrian this 12th day of October 1911.

LOUIS E. EICKELBERG.

Witnesses:

S. W. MARSTON,
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