No. 886,161. PATENTED APR. 28, 1908.

A. E. SWAN.

INK WELL.

APPLICATION FILED OCT. 1, 1907.

Fig. 1.

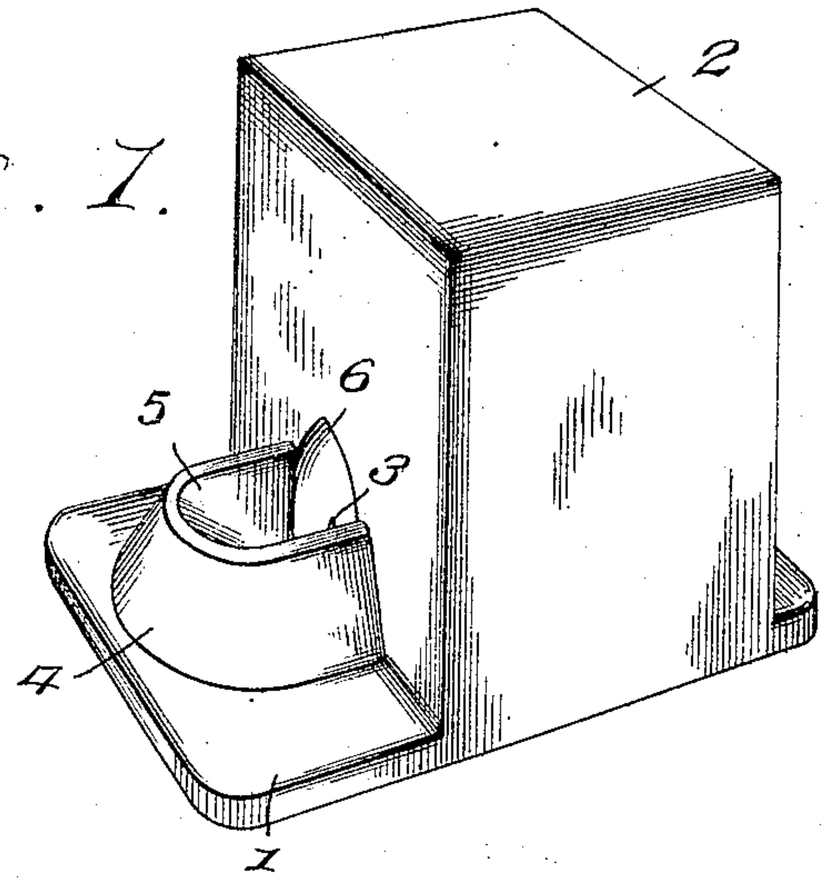


Fig. 2.

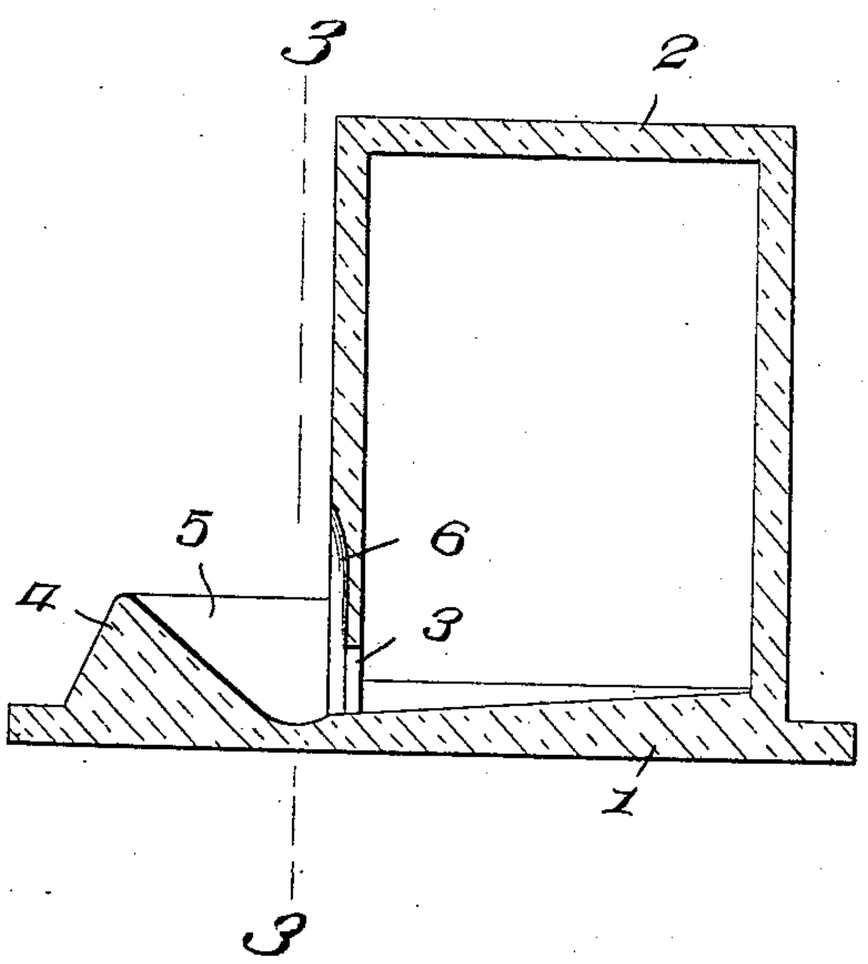
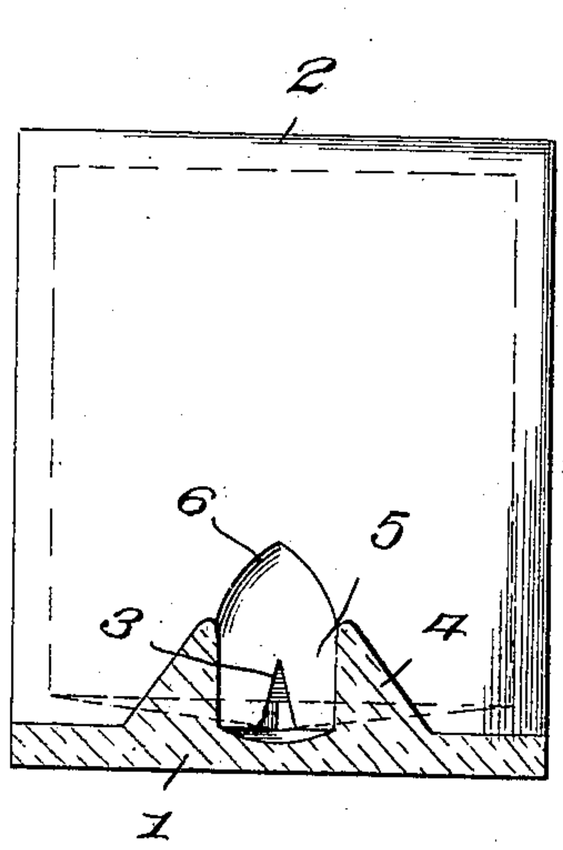


Fig. 3.



WITNESSES:

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INK-WELL.

No. 886,161. Specification of Letters Patent. Patented April 28, 1908.

Application filed October 1, 1907. Serial No. 395,426.

To all whom it may concern:

Be it known that I, ARCHIE E. SWAN, a citizen of the United States, residing at Waynesville, in the county of Dewitt and State of Illinois, have invented certain new and useful Improvements in Ink-Wells; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in ink wells and my object is to provide a well of this class, whereby ink will be automatically fed into a dip cup.

A further object is to so arrange the parts of the well that the flow of the ink will be automatically stopped when it has reached a certain height in the dip cup.

A further object is to provide means for introducing the ink into the well and a still further object is to provide means for removing all of the ink from the well and cause it to flow into the dip cup.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is a perspective view of my improved well complete. Fig. 2 is a central, vertical, sectional view thereof. Fig. 3 is a sectional view, as seen on line 3—3, Fig. 2.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the base of my improved well, on which is mounted a reservoir, one wall of the reservoir being provided with a substantially **V**-shaped opening 3, through which the fluid is introduced and removed from the reservoir.

The opening 3 is located midway between the two edges of the wall of the reservoir and at its juncture with the base 1, said opening being surrounded by a wall 4, which forms a dip cup 5, said wall extending above the upper edge of the opening 3, so that when the fluid has reached a certain height in the dip cup, the flow of the fluid through the opening 3 will be automatically stopped, thereby keeping a uniform quantity of the fluid in the dip cup at all times.

That portion of the upper face of the base 1 inclosed by the reservoir 2 is inclined from the rear and side walls towards the opening 3, so that all of the fluid in the reservoir will flow into the dip cup 5, while the bottom of the dip cup 5 is concaved and is in a plane below the lowest point of the opening 3, the front portion of the wall 4 being inclined, so that a pen introduced into the dip cup will readily enter the fluid.

The front wall of the reservoir is provided with a depression 6, which extends around the opening 3 and above the wall 4, so that when the fluid is introduced into the reservoir, the base 1 may be moved to a vertical position and by introducing the fluid into the depression 6, it will be seen that the same will readily enter the opening 3 and the reservoir thus be filled and it will further be seen that as soon as the reservoir is filled and the base lowered to its normal position, the fluid from the reservoir will enter the dip cup to a depth equal to or slightly greater than the height of the opening 3 and when the fluid has reached this point, the flow from the reservoir will be stopped until such time as the fluid is used from the dip cup, when the flow will again take place and the fluid in the dip cup will be replenished.

What I claim is:

1. An ink well of the class described, comprising a base, a reservoir on said base, said reservoir having a substantially **V**-shaped opening in one wall thereof, said wall also having a depression around the opening, a wall on said base, surrounding said opening, said wall forming a dip cup and means to remove all of the fluid from the reservoir.

2. An ink well of the class described, comprising a base, a reservoir integral with said base, the upper face of the base, surrounded by the reservoir, being inclined, the forward wall of said reservoir having a substantially **V**-shaped opening in the lower edge thereof, said wall also having a depression surrounding the opening, a wall on the forward portion of said base and surrounding the opening in the reservoir, said wall forming a dip cup, the bottom of said dip cup being concaved and that portion of the wall at the forward end of the dip cup being inclined.

3. An ink-well of the class described, comprising a base, a reservoir integral with said base, the upper face of which is inclined forwardly, the forward wall of said reservoir

having an inverted V-shaped opening therein adjacent the lower edge of the wall, said wall also having means surrounding the opening to convey fluid to the opening and a dip-cup adjacent the opening, the wall of which is concave and extended below the plane of the lower end of the opening.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARCHIE E. SWAN.

Witnesses:

ANNIE L. FORGER,

GRACE V. SWAN.