

C. R. BUTTON.
 INK WELL.
 APPLICATION FILED MAY 5, 1911.

1,011,882.

Patented Dec. 12, 1911.

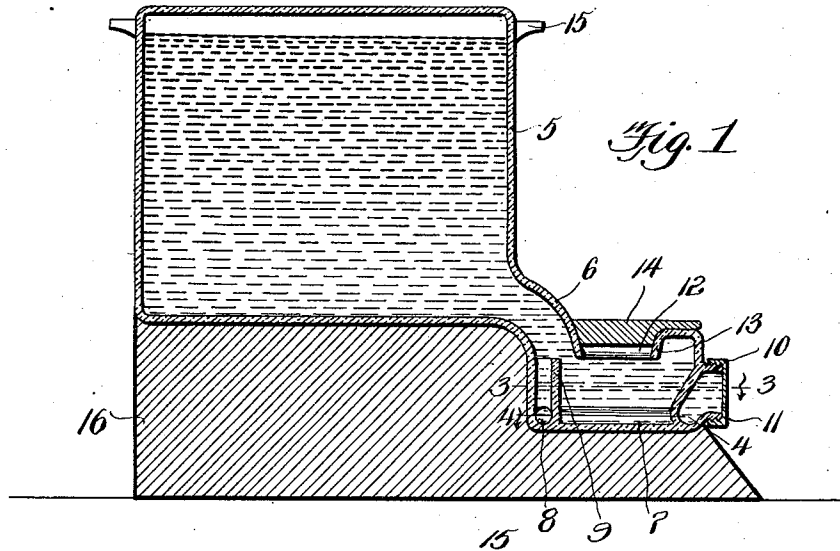


Fig. 2

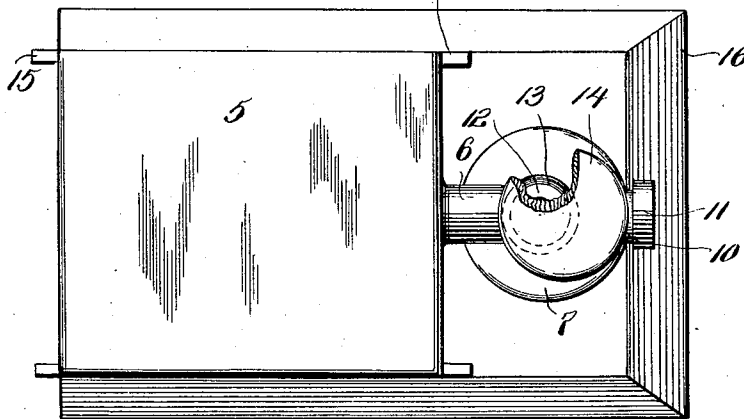


Fig. 4

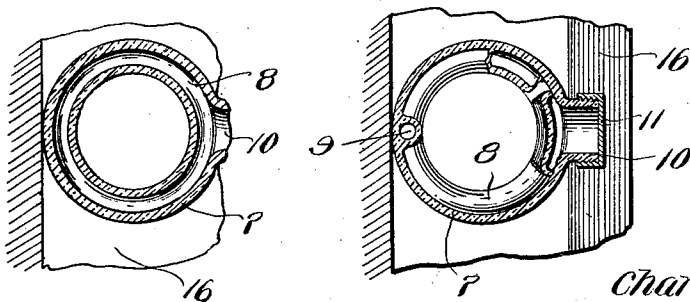


Fig. 3

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Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES R. BUTTON, OF NELSON, BRITISH COLUMBIA, CANADA.

INK-WELL.

1,011,882.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES R. BUTTON, a subject of the King of Great Britain, residing at Nelson, in the Province of British Columbia and Dominion of Canada, have invented new and useful Improvements in Ink-Wells, of which the following is a specification.

The invention relates to ink wells, and more particularly to the class of self feeding ink wells.

The primary object of the invention is the provision of an ink well in which the ink fluid thereof will be maintained at a predetermined level and supplied from a reservoir, thereby assuring a constantly filled ink well, irrespective of the extent of use thereof.

Another object of the invention is the provision of an ink well, in which the ink will be maintained at a uniform level within the well portion proper, thereby enabling a pen point to be supplied with the requisite amount of ink when dipped into the ink well proper.

A further object of the invention is the provision of an ink well in which the ink will be prevented from overflowing and will maintain a uniform level while being used.

A still further object of the invention is the provision of an ink well which is simple in construction, thoroughly reliable and efficient in operation, and inexpensive in manufacture.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claim hereunto appended.

In the drawings: Figure 1 is a vertical longitudinal sectional view of an ink well constructed in accordance with the invention. Fig. 2 is a top plan view thereof. Fig. 3 is a sectional view on the line 3—3 of Fig. 1. Fig. 4 is a sectional view on the line 4—4 of Fig. 1.

Similar reference characters indicate corresponding parts throughout the several views of the drawings.

Referring to the drawings by numerals, the ink well comprises a reservoir 5, preferably constructed of glass, and which may be of any desirable size for containing ink to be supplied to a dip cup, presently described. The reservoir, at its front, is formed with

an outwardly and downwardly curved neck 6, the same opening into a dip cup 7 disposed below the plane of the bottom of the reservoir, and which is constantly filled with ink from the reservoir 5, the device being adapted to allow the ink to gravitate from the reservoir into the dip cup, so as to maintain the said ink at a constant level therein.

Formed internally of the dip cup 7 and rising from its bottom is an inlet conduit 8, the same being formed with a vertical outlet vent 9 at the rear of the said cup 7, while at a diametrically opposite point of the latter, the conduit 8 opens at the front of the said cup 7 through an externally threaded boss 10, the latter being closed by means of a screw cap 11. This cap 11 is removed from the boss 10, and the reservoir 5 is inverted and disposed at a downward inclination, so that ink may flow through the inlet conduit 8 and neck 6 into the reservoir 5 for the filling thereof. When the reservoir has been brought to normal upright position, the ink contained therein will freely flow to the dip cup 7 and be maintained therein at a predetermined level for use. The dip cup 7 is formed in its top with an opening 12, the same being surrounded by means of a depending mouth annular flange 13, and through this opening 12 is introduced the pen point for supplying the same with ink, as usual. The opening 12 is normally closed by a lid or cover, which when placed thereon, will serve as an air-tight closure for the dip cup 7, thereby preventing the evaporation or drying up of the ink contained therein.

Formed on the reservoir 5 at the top edge thereof and projected outwardly from opposite sides are handles 15 which enable the removal of the ink well from its base or stand 16, the latter being of any desirable construction. It is to be understood, of course, that the reservoir may be provided with duplicate dip cups, if desired, thereby making the well a double ink stand.

From the foregoing, taken in connection with the accompanying drawings, it is thought that the construction and operation of the invention will be readily understood, without requiring a more extended explanation, and therefore, the same has been omitted.

What is claimed is:

An ink well, comprising a reservoir, a dip

cup communicating with the reservoir and disposed in a plane below its bottom, the said dip cup being provided with a circular shaped inlet conduit opening through the front thereof and communicating with the reservoir at the rear of the said cup above the plane of the bottom of the latter, a cap detachably closing the front end of the said inlet conduit, said conduit being disposed

contiguous to the vertical side wall of the cup, and a removable lid closing the dip cup at its top.

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

CHARLES R. BUTTON.

Witnesses:

STEPHEN PELLING,
FRANCIS G. STRINGER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."