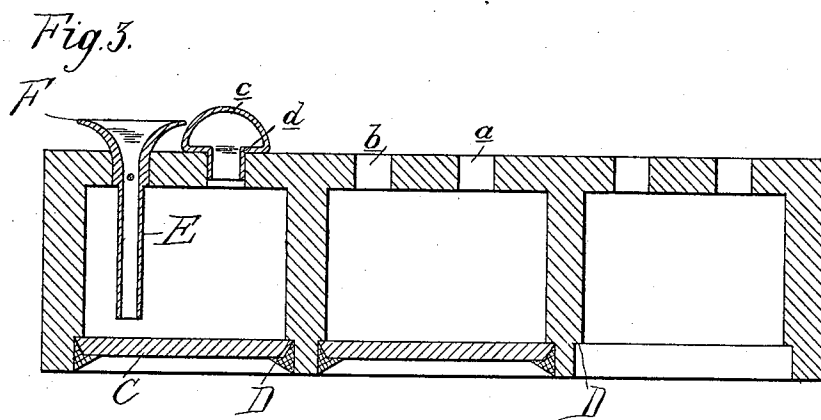
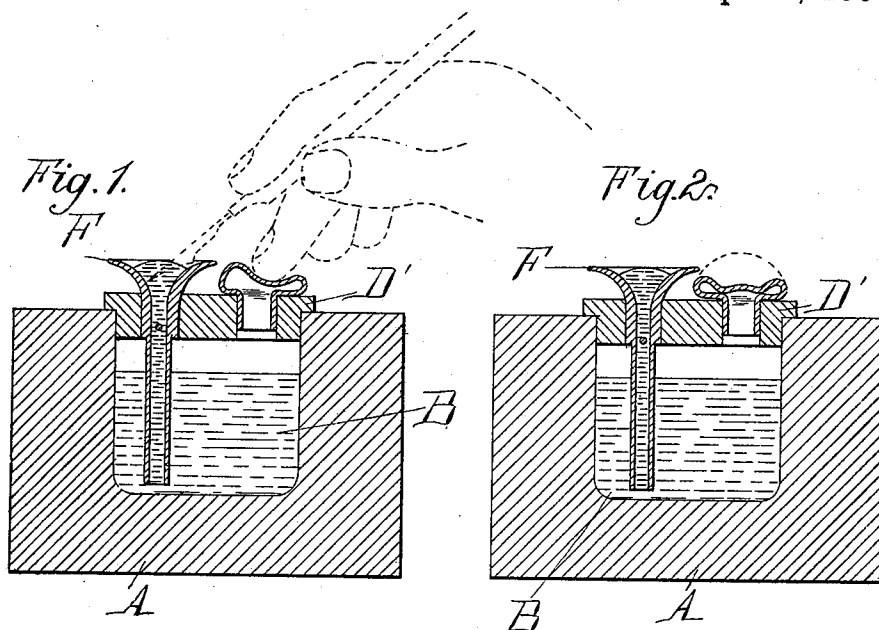


(No Model.)

J. DESMOND.
INK WELL.

No. 566,971.

Patented Sept. 1, 1896.



Witnesses:

O. F. Barthel.
L. J. Whittemore.

Inventor:

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UNITED STATES PATENT OFFICE.

JOHN DESMOND, OF DETROIT, MICHIGAN, ASSIGNOR TO ELIAS A. PICKARD,
OF SAME PLACE.

INK-WELL.

SPECIFICATION forming part of Letters Patent No. 566,971, dated September 1, 1896.

Application filed September 24, 1894. Renewed February 10, 1896. Serial No. 578,808. (No model.)

To all whom it may concern:

Be it known that I, JOHN DESMOND, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Ink-Wells, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention consists in the peculiar construction of a safety or fountain inkstand, comprising a well with a perforated top in which is a dipping-tube and beside which is a bulb adapted to be touched by the finger of the writer for raising the ink within the tube in the act of dipping the pen therein.

The invention further consists in the peculiar construction, arrangement, and combination of the various parts.

In the drawings, Figure 1 is a vertical central section through an ink-well embodying my invention and showing it as being used. Fig. 2 is a similar section showing the bulb depressed and the ink held in the dipping-tube. Fig. 3 is a longitudinal section through a series of ink-wells embodying my invention in slightly-modified construction.

A is the body, preferably of glass, having a well B formed therein. This may be done by forming the well from the top, as shown in Figs. 1 and 2, or by forming the well from the bottom, as shown in Fig. 3, and then inserting a bottom plate C, engaging against shoulders D and held in place by suitable cement. The latter construction I deem preferable as the cheapest to manufacture. In the construction shown in Figs. 1 and 2 I place on the top a cover D', which is preferably cemented or otherwise permanently secured in position. In Fig. 3 the top is cast or formed integral with the well. In either event I provide two apertures *a b* side by side through the top. In one is inserted the dipping-tube E, having a flaring cup-shaped top F, the lower end of which projects to near the bottom of the well,

as plainly shown in the drawings. In the aperture *a* is inserted the nipple *c*, formed at the inner edge of the ring-shaped base *d* of the pressure-bulb *e*, of rubber or other suitable elastic material. The base *d* rests upon the top around the aperture *a*, and the bulb *e* covers the base and nipple, as plainly shown in the drawings.

The parts being thus constructed, their operation is as follows: The operator holds the pen in the usual manner with the thumb and first finger, and in dipping the pen into the stand can easily strike the bulb with the third finger, depressing it, as shown in Fig. 1, which will force the air from the bulb into the well and thereby force the ink up into the dipping-tube and into the cup F upon the point of the pen. If the writer desires to have the ink permanently in the dipping-tube, it can be done by depressing the bulb, as shown in Fig. 2, to cover the mouth of the nipple, when the difference in pressure due to the difference in area on the upper and lower face of the bulb will hold the bulb in its lower position and thus hold the ink in the dipping-tube until the side of the bulb is touched to break the contact of the bulb with one side of the top of the nipple, when the ink will run back into the well from the tube.

What I claim as my invention is—

In an ink-well, the combination with the body and sealed apertured top, of a dipping-tube passing through an aperture and extending to a point near the bottom of the well, and a flexible bulb having a flat base-section and a nipple-section extending from the base into an aperture in the top, substantially as described.

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

JOHN DESMOND.

Witnesses:

M. B. O'DOGHERTY,
L. T. WHITEMORE.