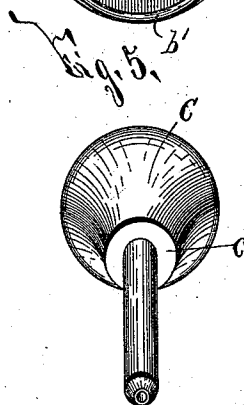
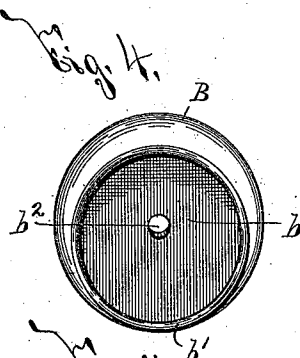
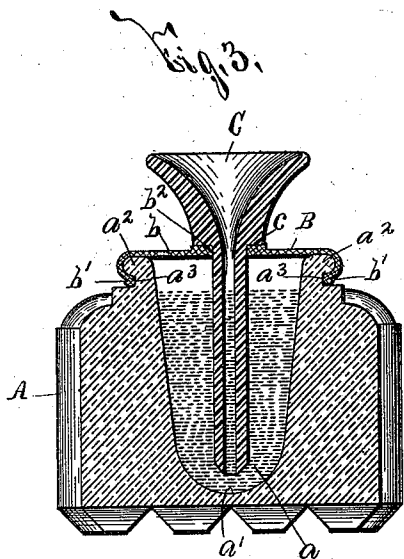
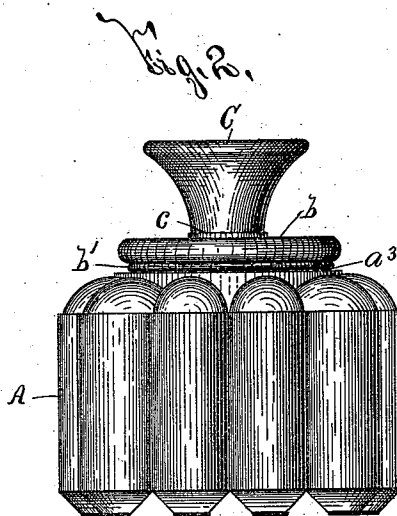
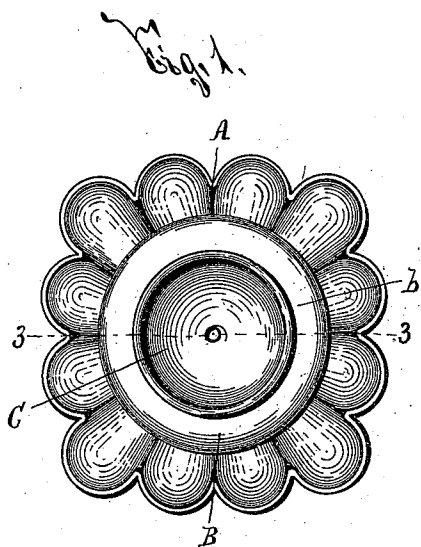


(No Model.)

N. VAN PATTEN.
FOUNTAIN INK WELL.

No. 550,398.

Patented Nov. 26, 1895.



WITNESSES:

Hobbs
H. H. Theobald.

INVENTOR

Nicholas Van Patten

BY

Wm. Parsons,
ATTORNEYS

UNITED STATES PATENT OFFICE.

NICHOLAS VAN PATTEN, OF ONONDAGA VALLEY, NEW YORK.

FOUNTAIN INK-WELL.

SPECIFICATION forming part of Letters Patent No. 550,398, dated November 26, 1895.

Application filed December 20, 1894. Serial No. 532,409. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS VAN PATTEN, of Onondaga Valley, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Fountain Ink-Wells, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to improvements in fountain ink-wells, and has for its object the production of a device which consists of a minimum number of parts and is particularly practical, efficient, and economical in manufacture; and to this end it consists in the detail construction and arrangement of the parts, all as hereinafter more particularly described, and pointed out in the claim.

In describing this invention reference is had to the accompanying drawings, forming a part of this specification, in which like letters indicate corresponding parts in all the views.

Figures 1 and 2 are respectively a top plan view and a side elevation of my improved ink-well. Fig. 3 is a vertical sectional view taken on line 3 3, Fig. 1, the well being shown as partly filled; and Figs. 4 and 5 are respectively isometric views of the detached cover and funnel.

Fountain ink-wells as at present manufactured are provided either with a valve for regulating their operation or with covers or stoppers for guiding the funnel and supporting a flexible diaphragm for forcing the ink within the funnel. Consequently the cost of such complete fountain ink-wells is considerable and their sale more or less retarded.

My invention requires neither a valve nor a cover or stopper in addition to a flexible diaphragm; and it consists in a minimum number of parts, which are cheaply manufactured and assembled.

The ink-well A is of any desirable form, size, and construction, and may be composed of glass or other suitable material. It is provided with an ink-receiving cavity a , which is preferably formed with a contracted lower end and a concave lower face a' , and it may, if desired, decrease gradually in diameter toward said face. The outer face of the upper extremity of the well A is provided with an

annular shoulder a^2 and an underlying annular groove a^3 .

The cover B is formed with a movable central portion b , and preferably consists of rubber or other flexible material. Its outer edge is provided with a depending flange, b' engaged with the shoulder a^2 , and the lower edge of said flange is preferably thickened and enters the groove a^3 . The central portion of the cover B is formed with a perforation b^2 , and the part thereof immediately surrounding the perforation may be somewhat thickened, as illustrated.

The funnel C is of suitable form, and may be composed of wood, hard rubber, or other desirable material. Its lower extremity is passed through the perforation b^2 and is arranged beneath the upper edge of the concave face a' , and the end of said extremity is slightly pointed. The opposite extremity of the funnel is formed with a shoulder c , bearing upon the upper face of the cover B.

In the operation of my improved ink-well the depression of the funnel C and the consequent downward movement of the central portion of the cover B forces the ink upwardly within the funnel, and the cover C supports the funnel in an upright position. The face a' may operate as a stop to limit the movement of the funnel, and, owing to its peculiar shape, prevents undue tipping of the funnel.

The operation of my invention will be readily perceived upon reference to the foregoing description and the accompanying drawings, and it is obvious that its parts are few in number and are cheaply manufactured and assembled.

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

A fountain ink well comprising a well A provided with an ink receiving cavity a formed with a contracted lower end and a concave lower face a' and having its upper extremity provided with an annular shoulder a^2 and an underlying annular groove a^3 , a flexible cover B having its central portion thickened and provided with a perforation b^2 and its outer edge provided with a depending flange b' engaged with the shoulder a^2 and formed with a thickened lower edge arranged in the groove

a^3 , and a funnel C having its upper end provided with a shoulder c bearing upon the central thickened portion of the cover C and formed of substantially the same diameter as said thickened portion and having its lower
5 extremity passed through the perforation b^2 and formed with a pointed end arranged beneath the upper edge of the face a' , substantially as described.

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 13th day of December, 1894.

NICHOLAS VAN PATTEN.

Witnesses:

E. A. WEISBURG,
K. H. THEOBALD.