

(No Model.)

W. B. PRATT:
INK WELL.

No. 530,796.

Patented Dec. 11, 1894.

Fig: 1.

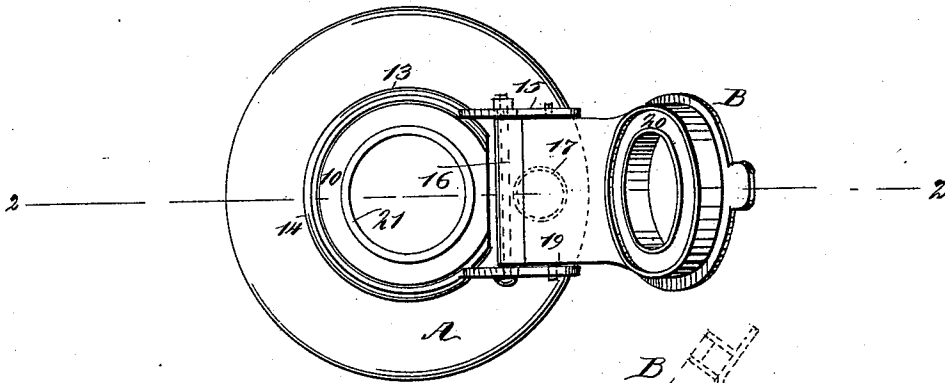
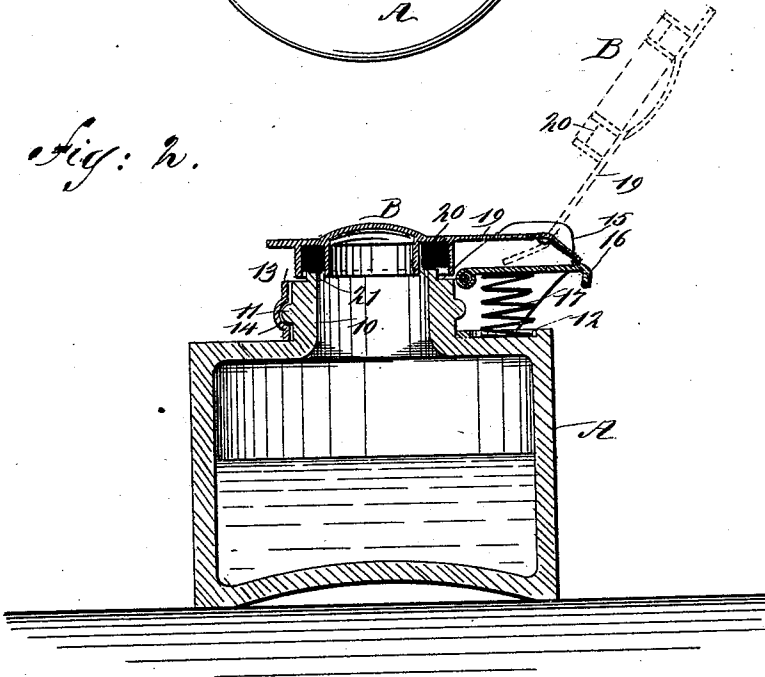


Fig: 2.



WITNESSES:

Chas. N. Kild.
W. Sedgwick

INVENTOR

W. B. Pratt

BY

Munn & Co.

ATTORNEYS:

UNITED STATES PATENT OFFICE.

WILLIAM B. PRATT, OF RAHWAY, NEW JERSEY.

INK-WELL.

SPECIFICATION forming part of Letters Patent No. 530,796, dated December 11, 1894.

Application filed August 15, 1893. Serial No. 483,184. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. PRATT, of Rahway, in the county of Union and State of New Jersey, have invented a new and Improved Ink-Well, of which the following is a full, clear, and exact description.

My invention relates to an improvement in ink wells, and it has for its object to construct an ink well in such manner that its mouth may be sealed in an air-tight manner when the ink well is not in use, and wherein a simple and durable mechanism will be provided for that purpose, which mechanism will be capable of being operated by one hand, and whereby said mechanism will be so located and constructed that the lid when closed will be held in that position under tension, the same means which applies the tension at that time serving likewise to hold the lid in the open position when required.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in both the views.

Figure 1 is a plan view of the improved ink well; and Fig. 2 is a vertical section taken practically on the line 2—2 of Fig. 1.

The body A of the ink well may be of any suitable or approved construction, and it may be made of any desired material, the ink well in the drawings being represented as made of glass.

The body of the ink well is provided with a neck 10, and the said neck has usually produced upon its outer face an annular rib 11, and usually a recess or cavity 12 is made in the upper surface of the body at the rear of the neck, as shown in Fig. 2. A band 13, is made to partially surround the neck, said band having produced in its inner face a cavity 14, to receive the rib 11 of the neck of the ink well. The band is not continuous since it is divided at the rear of the ink well, and at its ends is made to terminate in brackets 15, which extend upward and rearward from the neck and rest upon the body of the well. A platform plate 16, is pivoted between

the brackets 15, the pivotal point of the plate being near the neck, and usually the outer end of the plate is made to curve downward, as shown in Fig. 2. This platform plate is supported between its free end and its pivot point through the medium of a spring 17. The spring may be of any approved character, as for example it may be a coiled spring, as illustrated in Fig. 2, in which event the upper end of the spring will rest against the under face of the platform plate 16, while the opposite end of the spring will enter the recess 12 in the body of the ink well.

The cover B, is provided with a shank 19, attached thereto, and the said shank is of angular construction, its outer end being bent more or less at an angle in a downwardly direction from its body portion, or that end which is connected with the cover; and the shank of the cover is pivoted at the angle of its members in any suitable or approved manner between the brackets 15. When the cover is thus pivoted and is in an open position, as shown in Fig. 2, the inner end or foot of the shank will be removed from the platform plate, while the body portion of the shank may rest thereon, since the platform plate will be relieved from pressure and its spring will force it upward. The cover therefore can not be closed unless some force is applied thereto, sufficient to cause the foot of the shank to depress the platform plate; and after the platform plate has been depressed, and the foot of the shank of the cover has passed practically to the outer or free end of the platform plate, the spring of the plate will force the cover downward over the neck of the body, and hold it in that position, since the platform plate will have constant bearing in an upwardly direction against the heel of the shank of the cover, as shown in Fig. 2.

In order to effect an air-tight joint between the neck of the ink well and the cover, the cover is provided with a washer or gasket 20 of a pliable material, such, for example, as rubber, and the rubber gasket or washer, when the cover is closed, will be held under pressure against an annular flange 21, formed upon the upper surface of the neck; or the flange may be omitted, and the gasket or washer be brought to an engagement with the upper edge of the neck.

The cover of such an ink well may be opened with one hand, as by pressing the foot of the shank inward or in direction of the neck the cover will be thrown upward, and the platform plate will be pressed downward. The cover attachment of the ink well shown is exceedingly simple, it is durable, and it is capable of application to an ink well of any description.

It will be understood that if in practice it is found desirable the brackets 15, instead of being attached to the neck may constitute an integral portion or be attached to the body portion of the well, and that any approved material may be employed in the construction of the cover attachment. It is further evident that in the event the spring 17 should become weakened, it may be readily removed and a proper spring substituted.

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

The combination, with the ink well and the cover pivotally connected therewith, said cover having an angular extension projecting beyond the pivot, of a normally horizontal platform pivoted nearer the mouth of the ink well than the cover, and adapted to engage the said angular extension of the cover, and a coil spring arranged essentially vertically and having its lower end fitted into a recess of the ink well, while its upper end is in engagement with the platform between the pivot thereof and the point of engagement with the cover, whereby the platform will assume a substantially horizontal position both when the cover is open and when it is closed, and whereby the cover will readily respond to the action of the spring, as set forth.

WILLIAM B. PRATT.

Witnesses:

GEORGE C. BROWN,
L. C. PRATT.