

No. 809,891.

PATENTED JAN. 9, 1906.

S. G. BALDWIN.

INK WELL.

APPLICATION FILED MAR. 30, 1905.

*Fig. 1.*

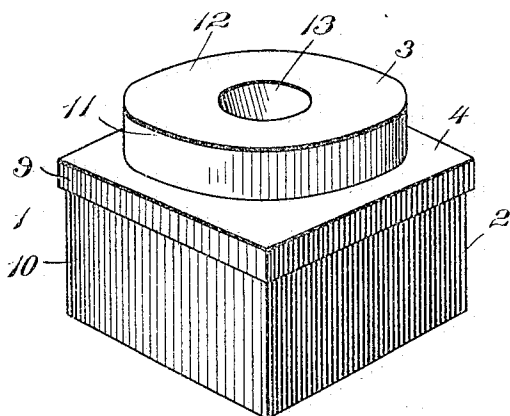


*Fig. 2.*

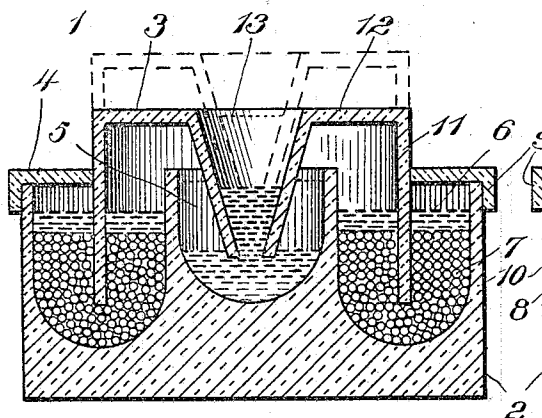
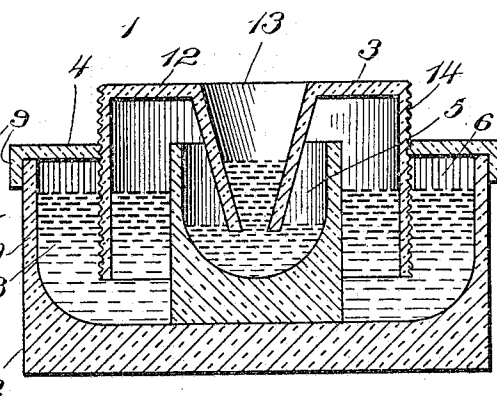


*Fig. 3.*



Witnesses

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# UNITED STATES PATENT OFFICE.

STEPHEN G. BALDWIN, OF MARION, INDIANA.

## INK-WELL.

No. 809,891.

Specification of Letters Patent.

Patented Jan. 9, 1906.

Application filed March 30, 1905. Serial No. 252,826.

*To all whom it may concern:*

Be it known that I, STEPHEN G. BALDWIN, a citizen of the United States, residing at Marion, in the county of Grant and State of Indiana, have invented certain new and useful Improvements in Ink-Wells; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to ink-wells, and has for its object to provide a device of this class which effectually seals the ink against evaporation and which accomplishes a great saving of ink.

With this object in view my invention consists in the novel construction of the well and cover and also in combinations of parts which will be first fully described and afterward specifically pointed out in the appended claims.

Referring to the accompanying drawings, Figure 1 is a perspective view of ink-well. Fig. 2 is a vertical section through same, showing seal of shot or shot and water. Fig. 3 is a similar view showing seal of water and cover threaded.

Like numerals of reference indicate the same parts throughout the several figures, in which—

1 indicates the ink-well, which comprises the body 2, cover 3, and cap 4. The body 2 is constructed of glass or other suitable material and comprises the ink-receptacle 5 and the surrounding chamber 6 for the sealing material, which, as shown in Fig. 2, is shot or shot and water, while in Fig. 3 water 8 is employed. The ink-receptacle 5 may be integral with the body 2, as shown in Fig. 2, or it may be independent thereof, as shown in Fig. 3, this being immaterial. As shown in Fig. 2, the cap 4 is provided with a flange 9, designed to fit snugly the wall 10 of the well, while said cap is constructed to allow the cover 3 to be passed through the same in the manner as shown.

Referring to the cover 3, it will be seen in Fig. 2 that the same comprises a wall 11, a preferably flat top 12, and a tapered depending pen-opening 13 of a depth sufficient to extend to the bottom of the ink receptacle or chamber 5. In Fig. 3, however, a slight modification is shown which consists in forming threads 14 on the wall 11 and also thread-

ing the cap 4 to accommodate said threaded wall.

Having thus described the several parts of my invention, its operation is as follows: Ink is run into the ink receptacle or chamber 5, the surrounding chamber 6 is filled with shot or shot and water, Fig. 2, and the cover 3 is placed in position, which when the ink receptacle or chamber is full is as shown in dotted lines. The shot or shot and water or other similar yielding mass effectually supports the cover 3 and holds it in position, the wall 11, extending into the mass, seals the ink, while the pen-opening 13, extending into the ink, absolutely sealing the ink against evaporation with the exception of the small surface exposed within the pen-opening. As the ink is consumed the cover 3 is simply depressed by hand, forcing the wall 11 thereof further into the yielding sealing mass and compresses the air contained within the cover. This compression acting on the ink in the ink-receptacle forces a quantity of the ink up into the pen-opening, as shown in Fig. 2, the cover remaining in this position until it becomes necessary to force more ink into the pen-opening, which is accomplished by slightly forcing the cover down. It is thus seen that the material in the chamber 6 acts as a seal and also supports the cover in any desired position. In Fig. 3 the same results are obtained by revolving the cover 3 to lower the same to force the ink up into the pen-opening. In this instance, however, any suitable liquid can be employed as a seal, as the sealing material does not support the cover, said cover being supported and held in position by the cap 4.

Having thus fully described my invention, I do not wish to be understood as limiting myself to the exact construction as herein set forth, as various slight changes may be made therein which would fall within the limit and scope of my invention, and I consider myself clearly entitled to all such changes and modifications.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. An ink-well comprising a chamber to receive a yielding mass, and an ink-receptacle, a cover having a pen-opening extending down into said ink-receptacle, and a portion thereof extending within said yielding mass, said yielding mass being of such character as to support the said cover at any desired

height, said cover being constructed to compress the air under the same and force the ink up into said pen-opening and hold the ink up in said pen-opening, substantially as described. 5

2. An ink-well comprising a chamber to receive a sealing material and an ink-receptacle, a cover having a pen-opening extending into said ink-receptacle, and a portion thereof extending into said sealing material, said cover being held within said sealing material 10

at any desired height to compress the air under said cover to force the ink up into said pen-opening and to hold the ink up in said pen-opening, substantially as described. 15

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

STEPHEN G. BALDWIN.

Witnesses:

ALHAMBRA OVERMAN,  
JOHN H. GRAY.