No. 636,733. Patented Nov. 7, 1899.

O. K. TREGO.

INK WELL.

(Application filed Feb. 4, 1897.)

(No Model.)

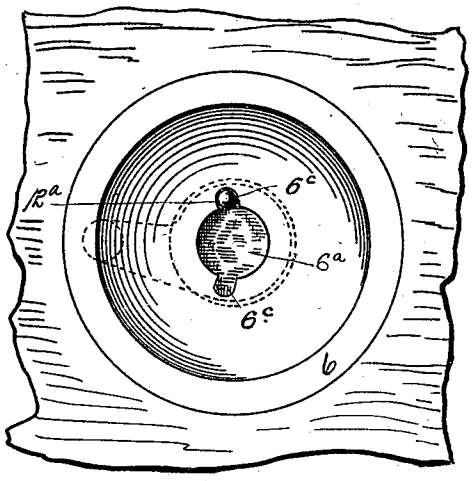

FIG. 1.

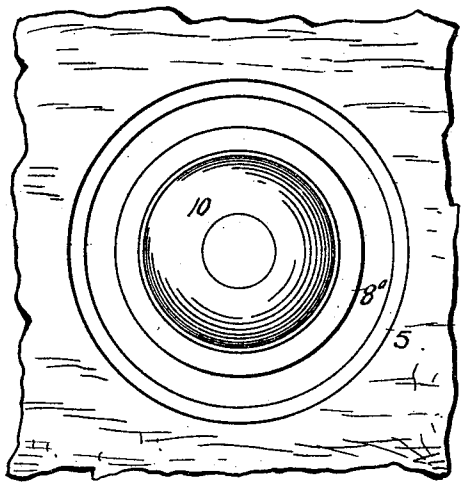

FIG. 2.

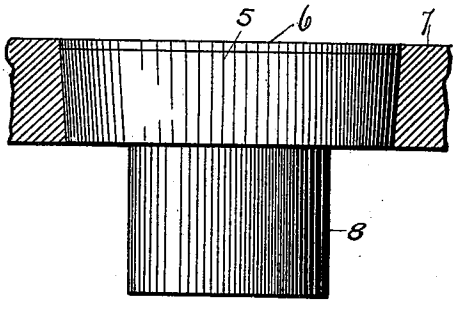

FIG. 4.

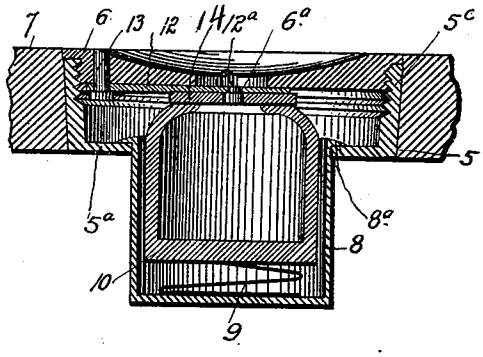

FIG. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

OSCAR K. TREGO, OF DENVER, COLORADO.

INK-WELL.

SPECIFICATION forming part of Letters Patent No. 636,733, dated November 7, 1899.

Application filed February 4, 1897. Serial No. 621,925. (No model.)

To all whom it may concern:

Be it known that I, OSCAR K. TREGO, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, 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 improvements in ink-wells; and it consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a top or plan view of my improved ink-well as it appears when in place in the desk-top. Fig. 2 is a similar view with the screw-top removed. Fig. 3 is a vertical section taken through the device. Fig. 4 is a section taken through the desk-top, showing the ink-well in elevation.

Similar reference characters indicating corresponding parts in the views, let the numeral 5 designate a circular socket having a horizontal part 5^a and a vertical or approximately vertical part 5^c, interiorly threaded to receive the top plate 6, which is exteriorly threaded to screw thereinto. The socket 5 is inserted in a suitable opening formed in the desk-top 7 or other object to which the ink-well is applied. This opening is so made that the socket fits tightly therein and is held securely in place without the aid of fastening devices. The outer wall of the socket is slightly conical, having its greatest diameter at the top, whereby it is adapted to fit tightly into the opening, but cannot pass therethrough. It may also be easily removed from the desk by pressure on the bottom without the assistance of special appliances. In the bottom of the socket is formed an opening which is surrounded by the horizontal part 5^a. This opening in the socket is adapted to receive a cup 8, having a horizontal flange 8^a engaging the bottom 5^a of the socket. In the bottom of this cup is placed a spring 9, upon which rests the bottle or ink-receptacle 10. The under surface of the screw-cap 6 is provided with a swinging plate 12, held in place by the pivot-pin 13. To this plate is attached a yielding disk 14, forming a flat cork or closure for the bottle 10, which is provided with a flat top surrounding its opening. The swinging plate 12 is provided with a pin 12^a, which projects through an opening 6^a, formed in the screw-cap and registering with the opening in the bottle. By means of this pin 12^a the plate 12 may be moved back and forth according as it is necessary to open or close the registering orifices in the bottle and screw-cap. The latter is provided with short slots 6^c, communicating with the main opening and adapted to receive the pin 12^a. One of these slots receives the pin when the bottle is open and the other when it is closed.

It will be observed that in using my improved socket a plain opening only need be formed in the desk-top. Hence no special tool is required for forming this opening. Moreover, this socket is cast of a size to fit the cup 8, which is supported and held in place by the socket. The screw-cap also is a simple and efficient device. It contains no elements or attachments liable to become disarranged or get out of repair.

Having thus described my invention, what I claim is—

1. In an ink-well, the combination with a desk-top or other object having a suitable opening, a cup supported in said opening, and a spring-supported bottle located in said cup, of a cap exteriorly threaded to engage interior threads formed on the wall of the opening, the under surface of said cap being free from depending fastening devices, and a closure pivoted to the under surface of said cap and adapted to swing in a horizontal plane below the screw-fastening of the cap, and between the cap and the top of the bottle.

2. In an ink-well, the combination with a desk-top or other object having a suitable opening, a cup supported in said opening and a spring-supported bottle located in said cup, of a cap exteriorly threaded to engage interior threads formed on the wall of the opening, the under surface of said cap being free from depending fastening devices, and a clo-

sure pivoted to the under surface of said cap and adapted to swing in a horizontal plane below the screw-fastening of the cap and between the cap and the top of the bottle, and a flat piece of some suitable yielding material applied to the lower surface of said closure whereby the bottle may be made air-tight.

3. In an ink-well, the combination with a desk-top or other object having a suitable opening, an ink-bottle supported in said opening, an apertured cap applied to the opening, and a swinging closure applied to the under surface of the cap and having a projection passing upward through the opening to permit the manipulation of the closure.

4. In an ink-well, the combination with a desk-top or other object having a suitable opening, a cup supported in said opening, a spring-supported bottle located in said cup, a cap applied to the said opening, a closure pivoted to the under surface of said cap and adapted to swing in a horizontal plane between the opening in the cap and the mouth of the bottle, of a flat piece of some suitable yielding material applied to the lower surface of said closure whereby the bottle may be made air-tight.

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

OSCAR K. TREGO.

Witnesses:
G. J. ROLLANDET,
ALFRED J. O'BRIEN.