

No. 646,560.

Patented Apr. 3, 1900.

D. H. ROWE.

INK WELL.

(Application filed Dec. 26, 1899.)

No Model.)

Fig. 1.

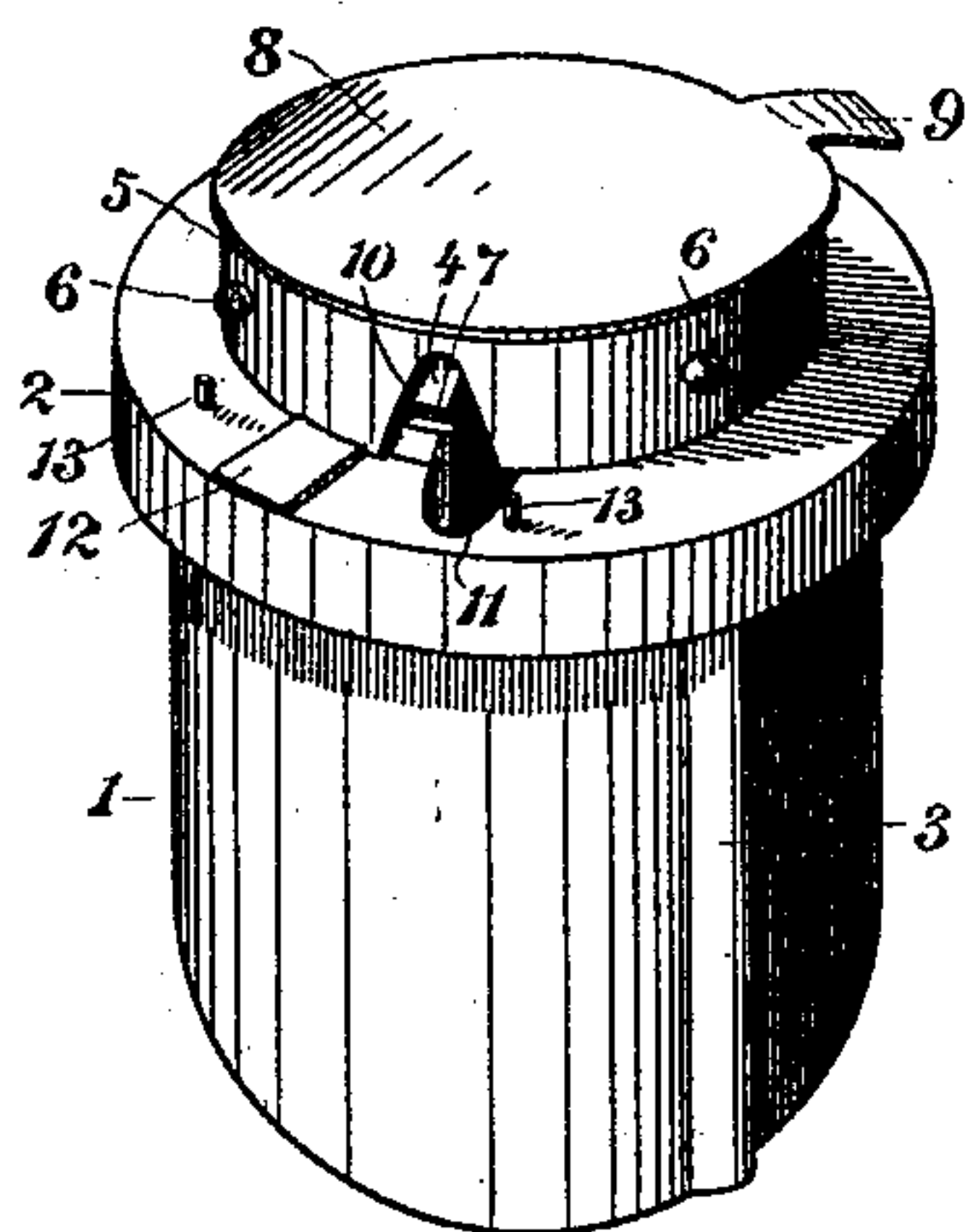


Fig. 2.

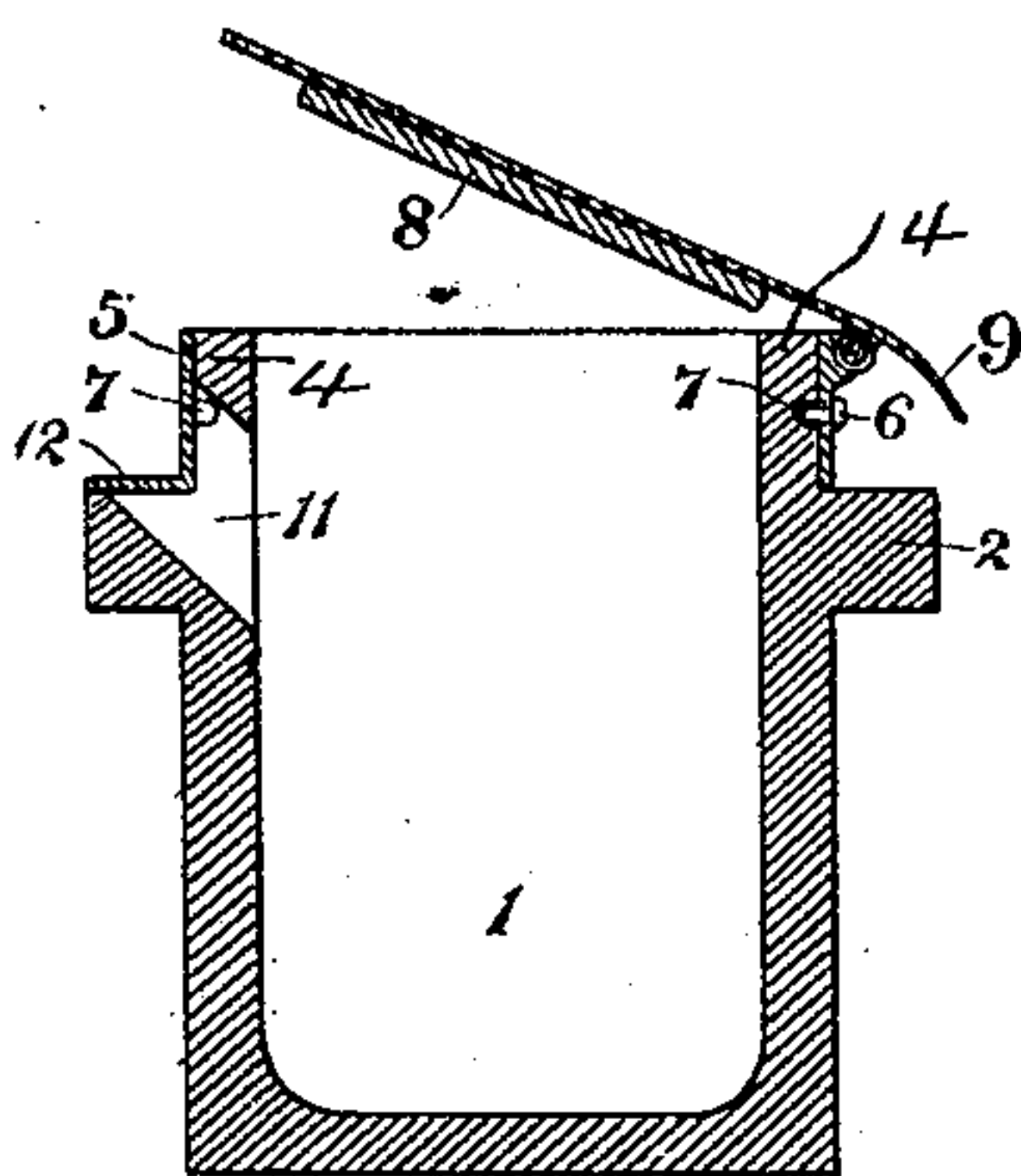
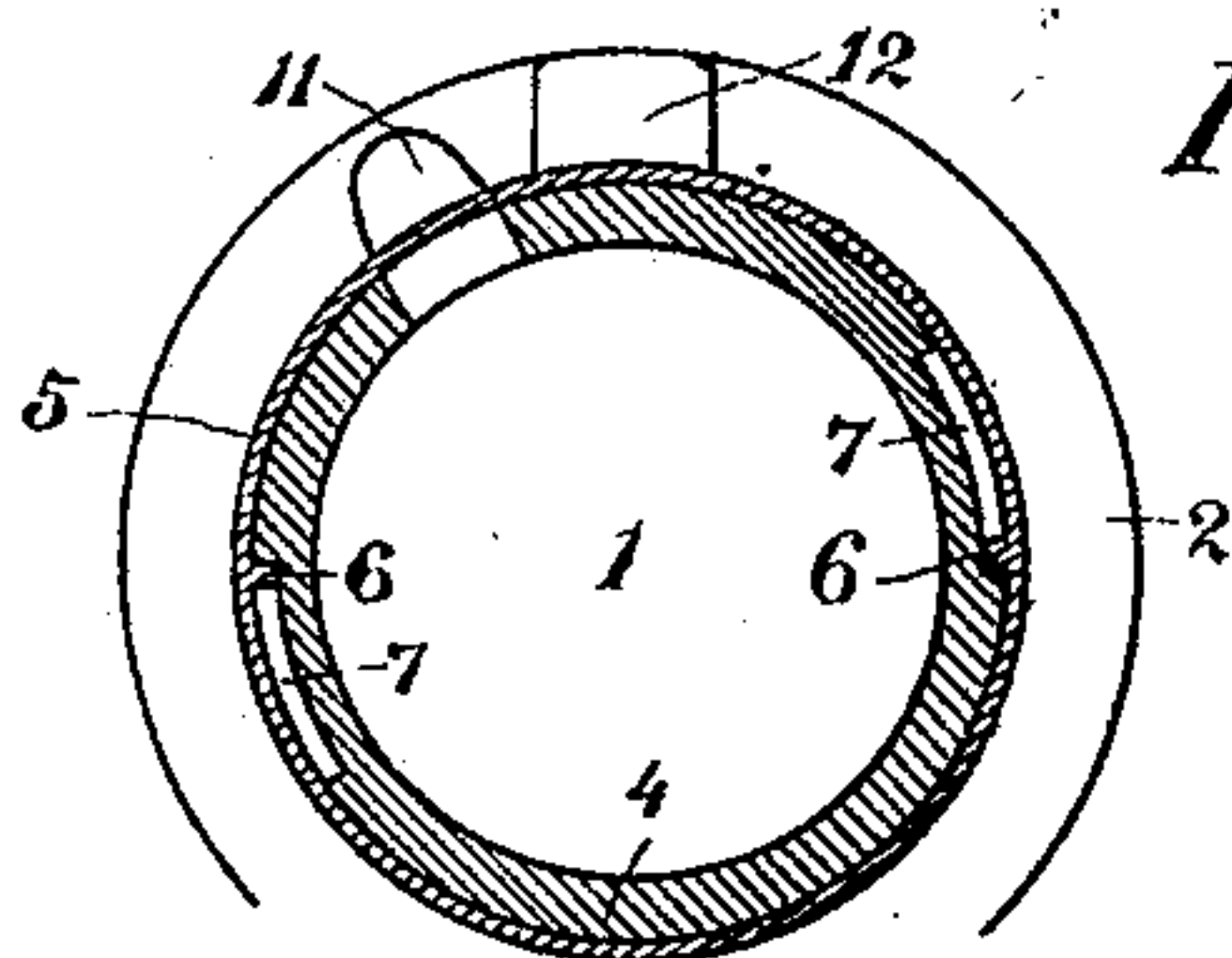


Fig. 3.



Witnesses,
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UNITED STATES PATENT OFFICE.

DAVID HIRAM ROWE, OF OAKLAND, CALIFORNIA, ASSIGNOR OF TWO-THIRDS
TO WILLIS E. GIBSON AND GEORGE H. TRUE, OF SAME PLACE.

INK-WELL.

SPECIFICATION forming part of Letters Patent No. 646,560, dated April 3, 1900.

Application filed December 26, 1899. Serial No. 741,581. (No model.)

To all whom it may concern:

Be it known that I, DAVID HIRAM ROWE, a citizen of the United States, residing at East Oakland, county of Alameda, State of California, have invented an Improvement in Ink-Wells; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to ink-wells of that class which are fixed in desks and other similar structures.

The object of my invention is to provide a well with a means for fixing it in an opening or socket in the desk, a rotatable cap having a cover normally closed by gravitation, through which cover when opened the well can be replenished. The rotatable cap has an opening in the side coincident with a similar opening in the top of the well, so that when these openings are brought in line the pen can be dipped into the ink through the opening. When the well is out of use, the cap is turned and a lip or flange upon the cap covers the opening and keeps out dust and other substances.

Referring to the accompanying drawings, Figure 1 is a view of the well. Fig. 2 is a section through the same vertically. Fig. 3 is a horizontal section.

The body of the well 1 may be made of glass or any suitable or desired material and has an outwardly-projecting rim or flange 2 around the upper edge.

The depth of the well is sufficient to hold a reasonable quantity of ink, but not so great as to cause it to project through the bottom of the desk, so as to be disarranged by contact of books or other articles from below.

At one or more points on the side of the well is a projecting rib 3. The well is set into a socket bored or excavated for the purpose, and a groove in the side of the socket receives the rib 3, and thus prevents the well from being rotated if it fits loosely in its socket. A rim 4 projects above the flange and is provided with one or more grooves or channels 7, as shown in Fig. 3.

5 is a cylindrical cap which fits loosely over the upwardly-projecting rim or part 4, so that when its lower edge rests upon the flange 2 it is freely turnable about the part 4. Screws or pins 6 project through the sides of the part

5, their inner ends entering the groove or channel 7 in the part 4, and they thus prevent the cap from being lifted off, while allowing it to turn freely around the part 4. Upon the top of this cap 5 is hinged a cover 8, which normally drops by gravitation and closes the open top of the well. From the rear of this cover and in line with the hinge is a projection 9, upon which the finger may be placed to raise the cover, if desired. This projection is so constructed, being bent at an angle with the top, that it contacts with the side of the cap, so as to prevent the cover being turned far enough to remain open, and this projection while enabling the user to open the cover by pressing upon it also acts as a stop to prevent the cover opening too far, so that when the pressure upon the projection is released the cover will automatically close and remain closed. This cover is employed for filling the well and at other times remains closed, so as to keep the ink clean and prevent evaporation.

Upon the side of the cap 5 is made an opening 10, and in the top of the flange 2 is made a corresponding groove or opening 11, and the cap 5 is turnable, so that the two openings are brought into line when it is desired to use ink. The openings when coincident are of sufficient size to admit a pen being dipped into the ink, and at the same time the opening is so small that but little evaporation will take place through it. Near the opening 10 a lip 12 projects horizontally from the bottom of the cap 5, and by turning the cap this lip is moved over the opening 11 in the flange 2, thus closing it when the well is not to be used.

13 are stops upon the flange 2 at a sufficient distance apart to allow the cap to be turned so as to make the openings 10 and 11 coincide when the well is to be used or to allow it to be turned so that the projecting lip 12 will cover the opening in the flange, as before described, when the well is not in use. In this manner I provide a convenient and economical ink-well for purposes where it is desirable to employ such a device.

As shown in Fig. 3, the slots 7 in the sides of the rim 4 are made short enough to limit the movements of the pins 6. These pins move far enough to open and close the pas-

sage 11, and when made in this way the stops 13 may be dispensed with.

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

1. An ink-well comprising a body portion having a grooved rim and horizontal flange, said rim and flange provided with openings, and a cap loosely mounted on the rim and
10 having means engaging the grooved portion thereof whereby said cap is guided in its movements, said cap having a lip adapted to cover and uncover the opening in said flange.
2. An ink-well consisting of a body having
15 a peripheral outwardly-projecting flange and an upwardly-projecting grooved rim, an opening made through said upwardly-projecting rim and the flange, a cap fitting and loosely turnable about said upper portion, with its
20 lower edge resting upon the flange, pins or lugs projecting from the cap into the groove of the rim whereby the cap is prevented from removal and allowed to turn about its axis, an opening made in the side of the cap which
25 may be brought to coincide with the opening in the flange or turned out of line therewith, and a lip projecting from the bottom of the cap adapted to cover and close the opening in the flange.

3. An ink-well consisting of a main body 30 having an open top, a peripheral flange around the top, an opening through the upper portion at one side of the well, and a revoluble cap having an opening therein to register with the first-named opening whereby the 35 same may be exposed or closed, said cap having a cover hinged upon the top and a projection behind the hinge thereof whereby the cover may be opened, said projection acting as a stop to limit the opening of the cover. 40

4. An ink-well consisting of a body having an open top, a peripheral flange around the upper part and provided with an opening, a side opening above said flange, a cap turn- 45 able around the upper part of the well having an opening adapted to coincide with that in the side of the well and a lip by which the opening in the peripheral flange is closed by turning the cap and stops limiting the move- 50 ment of said cap between the points which expose and close the opening.

In witness whereof I have hereunto set my hand.

DAVID HIRAM ROWE.

Witnesses:

H. TUM SUDEN,
Z. B. HORNZ.