

(No Model.)

S. W. CARTER.
INK WELL.

No. 535,571.

Patented Mar. 12, 1895.

Fig. 1.

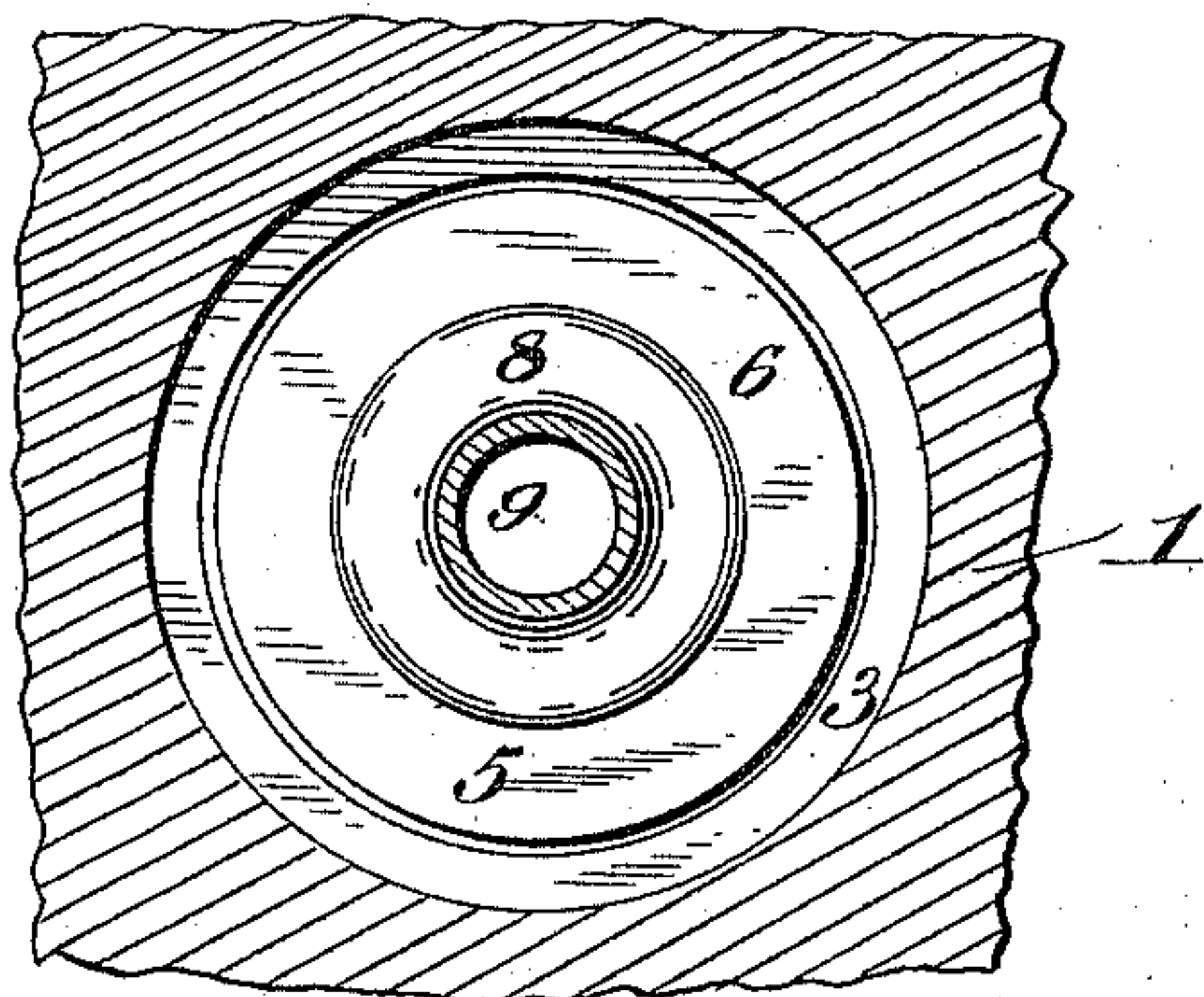


Fig. 2.

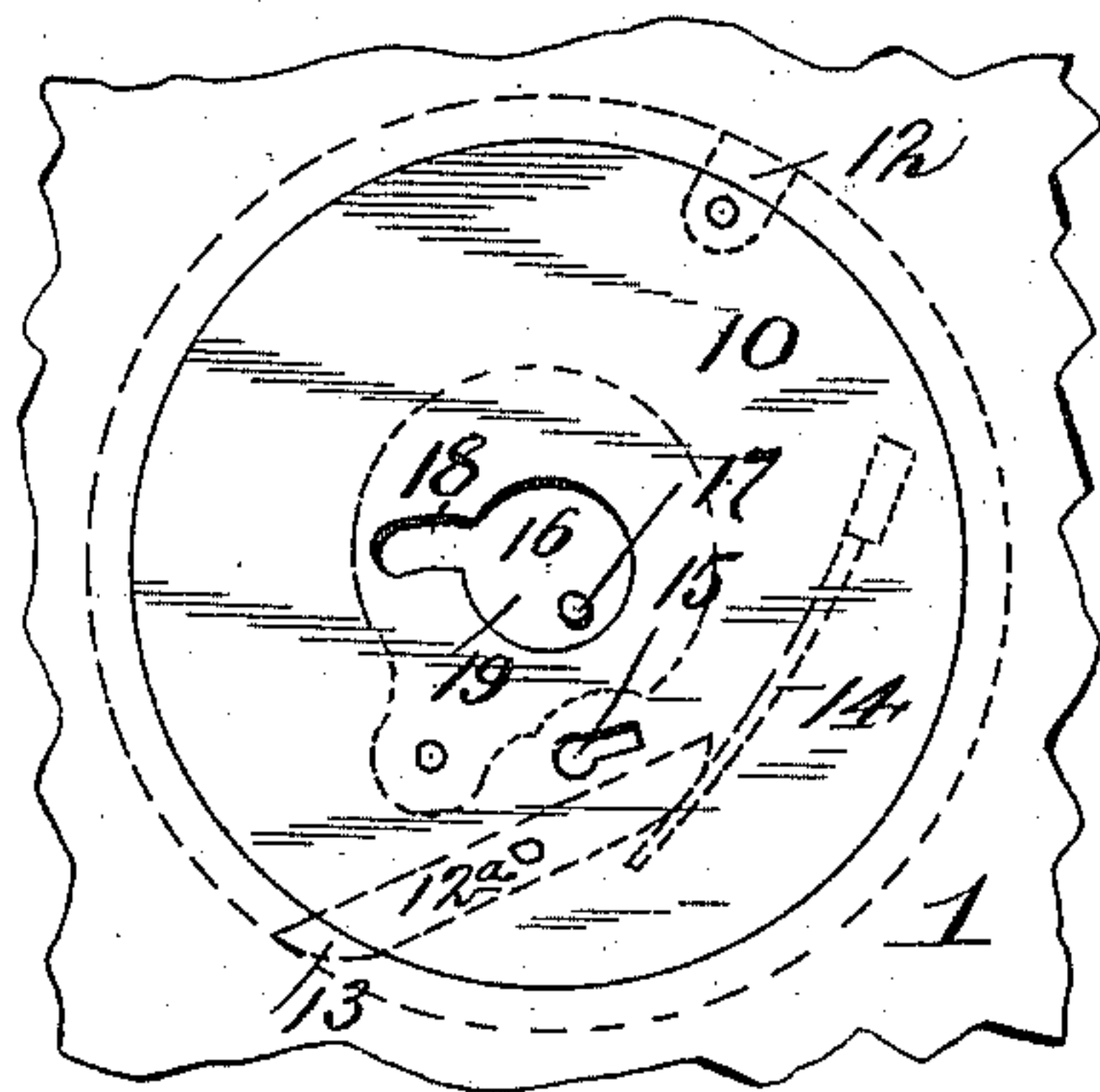


Fig. 3.

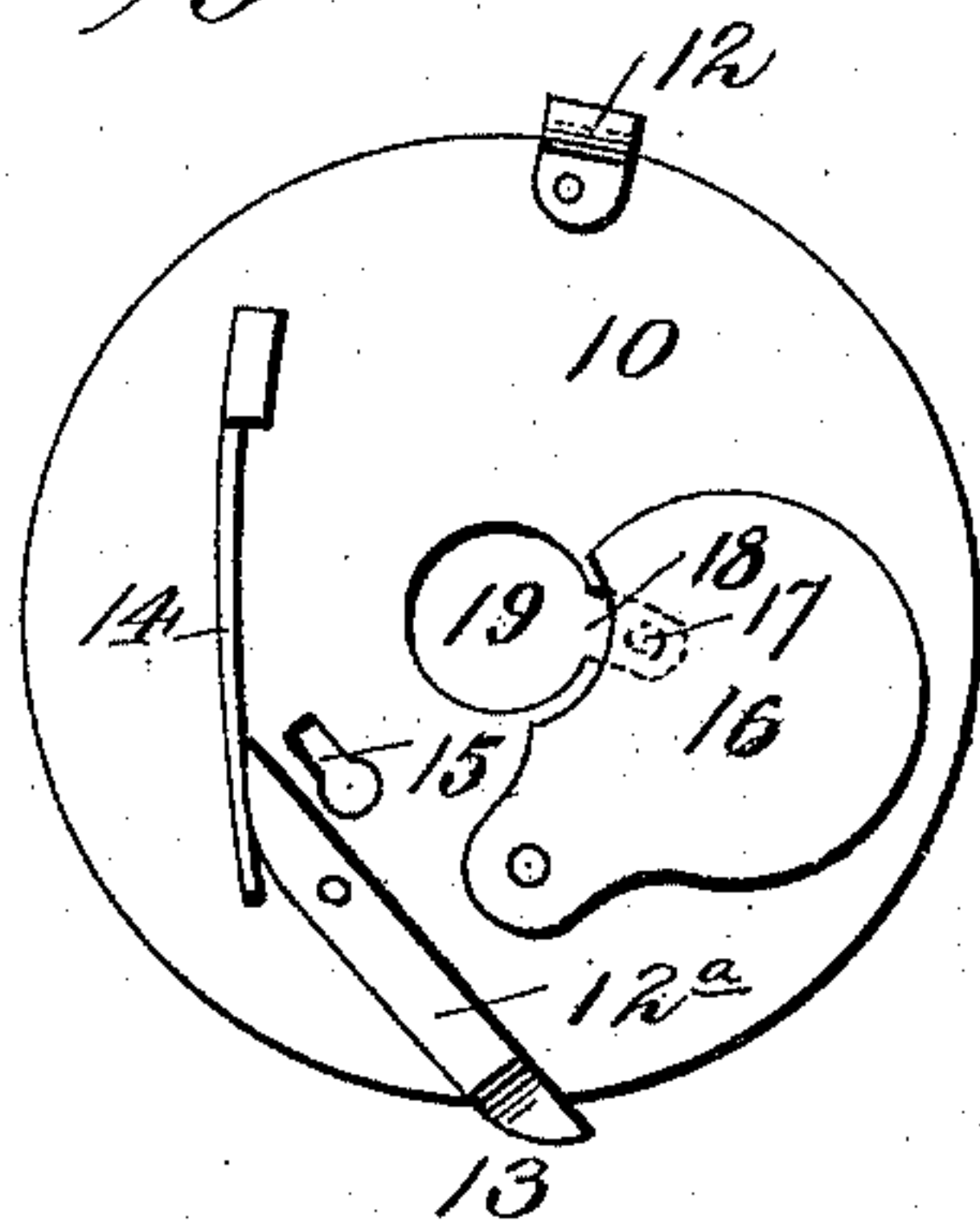
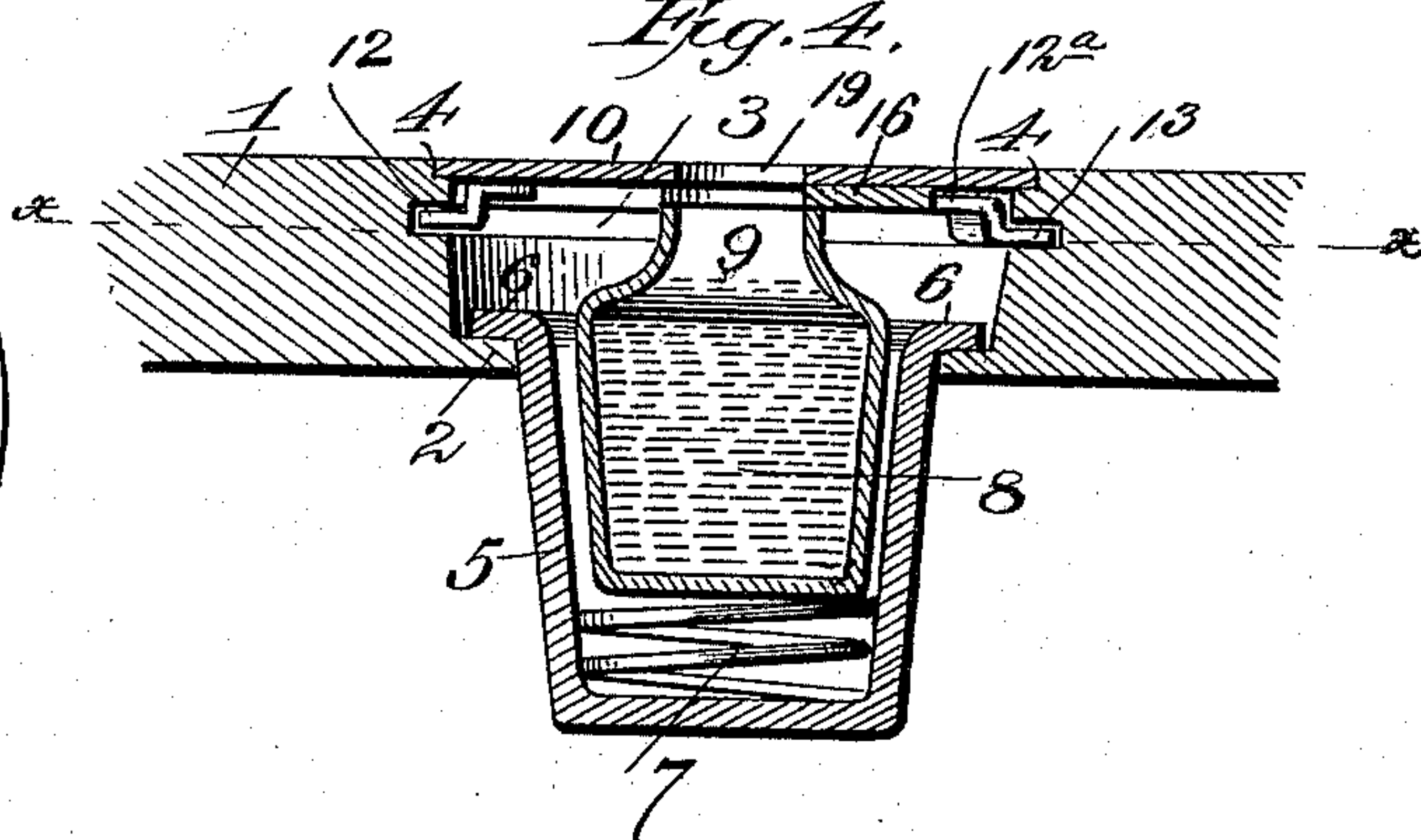


Fig. 4.



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UNITED STATES PATENT OFFICE.

SANFORD WHEELER CARTER, OF DENVER, COLORADO, ASSIGNOR OF ONE-HALF TO TIMOTHY EDWARD DONOVAN, OF SAME PLACE.

INK-WELL.

SPECIFICATION forming part of Letters Patent No. 535,571, dated March 12, 1895.

Application filed June 12, 1894. Serial No. 514,286. (No model.)

To all whom it may concern:

Be it known that I, SANFORD WHEELER CARTER, a citizen of the United States, and a resident of Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Ink-Wells; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to ink wells for school and other desks, and its object is to provide the cup which holds the ink bottle with a coiled spring interposed below the said bottle, whereby the latter is forced up into close proximity to the central opening in the cap plate, so that a pen can be readily inserted in its mouth; also to provide means for locking the cap plate so as to prevent the removal thereof by unauthorized persons, and finally to provide a pivoted cover on the under side of the cap plate for closing the central opening therein.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings: Figure 1 is a horizontal sectional view of an ink well constructed in accordance with my invention, showing a portion of a desk top with which it is connected. Fig. 2 is a top view of the same. Fig. 3 is a view, looking from the under side, of the cap plate. Fig. 4 is a longitudinal sectional view.

In the said drawings, the reference numeral 1 designates a portion of a desk top, formed with a circular opening, having an annular flange, 2, at its lower side and two annular grooves, 3 and 4, at the upper portion.

The numeral 5 designates a cup having an outwardly extending annular flange, 6, at its upper end which engages with the flange, 2, so as to hold the cup in place. On this cup is located a coiled spring, 7, upon which is seated the ink bottle, 8, having a neck, 9.

Located in the top groove, 4, is a circular cap plate, 10, having a lug, 12, which projects beyond the periphery thereof and engages in

the groove, 3, below. Pivoted to the under side of this cap plate is a pivoted lever, 12^a, having its outer end bent upwardly and outwardly forming a catch, 13, which also engages with said groove, 3. A spring, 14, secured to the cap plate has its free end bearing against the inner end of the lever, so as to force said catch into engagement with the groove. When said lug and catch are engaged with the groove, the cap plate is securely held in place. A key hole, 15, is formed in the cap plate for the insertion of a key whereby the lever may be actuated to disengage the catch from the groove and allow the cap plate to be removed.

Pivoted to the under side of the cap plate is a covering plate, 16, having a pin, 17, which projects up through a slot, 18, in said plate. This slot intersects the central opening, 19, of the plate.

In operation the ink bottle is inserted in the cup and the cap plate locked in position, the coiled spring, 7, forcing the ink bottle up against the covering plate. To use the ink well, the covering plate is pushed to one side by means of the pin uncovering the central opening so that a pen can be readily inserted in the bottle.

Having thus described my invention, what I claim is—

1. The combination with a desk top or other object having a circular opening therein formed with an annular flange and annular grooves, of the cup, having an annular flange seated on said flange, the coiled spring and ink bottle located therein, the circular plate seated in one of said grooves having a central opening, an intersecting slot and a key hole, the covering plate pivoted to said circular plate and provided with a pin projecting through said slot, the lug at the edge of the circular cap plate, and the pivoted spring actuated lever having a catch at its outer end, substantially as described.

2. The combination with a desk top or other object having a recess, provided with an inwardly extending annular flange at its lower end and with annular grooves at its upper end, of the cup having a flange seated on said flange, the coiled spring or flexible cushion located therein, the ink bottle seated upon said spring or flexible cushion, the cap plate

having a central opening and pivoted cover and the pivoted catch engaging with one of

said grooves, substantially as described

3. The combination with a desk top or other
5 object having an opening therein formed with
a flange and grooves, of the cup having a
flange seated on said flange and ink bottle
located therein, the cap-plate having a cen-
tral opening seated in one of said grooves, an
10 intersecting slot and a key hole, the covering
plate pivoted to said cap-plate and provided
with a pin projecting through said slot, the
lug at the edge of the cap-plate, and the piv-
15 oted spring actuating lever having a catch at
its outer end, substantially as described.
4. The combination with the desk top or
other object having an opening therein formed
with an inwardly extending annular flange at

its lower end and with annular grooves at its
upper end, of the cup having a flange seated 20

on said flange and ink bottle located therein

the cap plate having a central opening seated
in one of said grooves, an intersecting slot,
the covering plate pivoted to said cap plate
and provided with a pin projecting through 25
said slot, the lug at the edge of the cap plate
having a catch at its outer end, substantially
as described.

In testimony that I claim the foregoing as
my own I have hereunto affixed my signature 30
in presence of two witnesses.

SANFORD WHEELER CARTER. .

Witnesses:
HENRY J. HERSEY,
S. W. PURCELL.