W. SUNDQUIST.

INK BOTTLE.

APPLICATION FILED SEPT. 18, 1909.

963,660. Patented July 5, 1910.

Fig. 1.

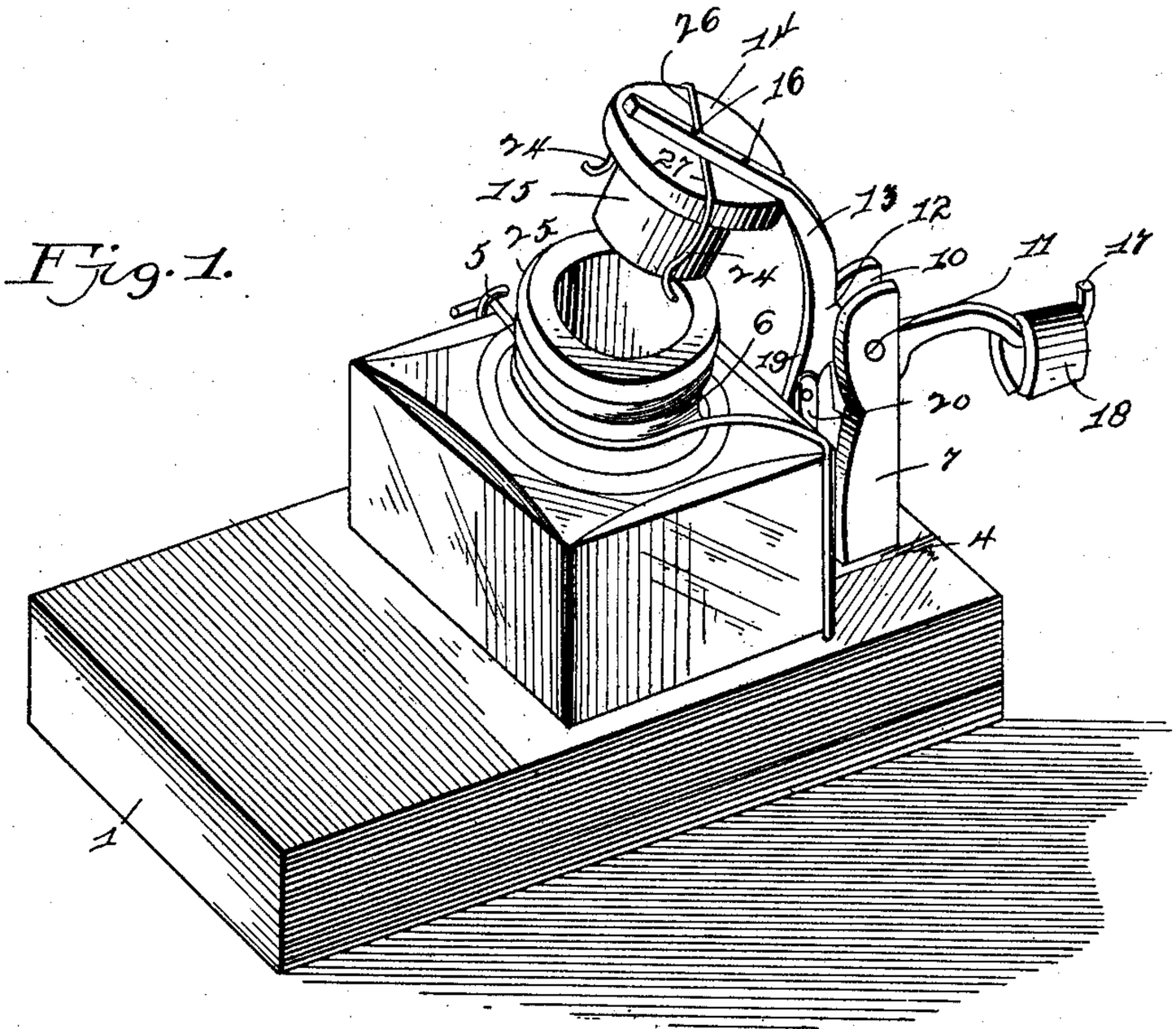


Fig. 3.

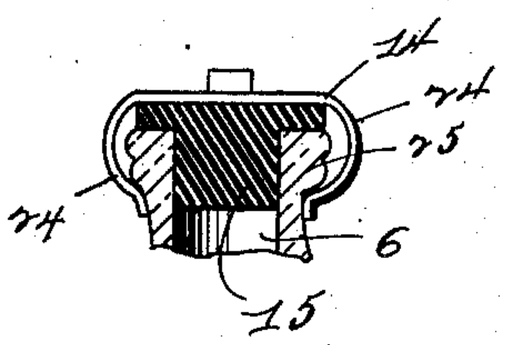
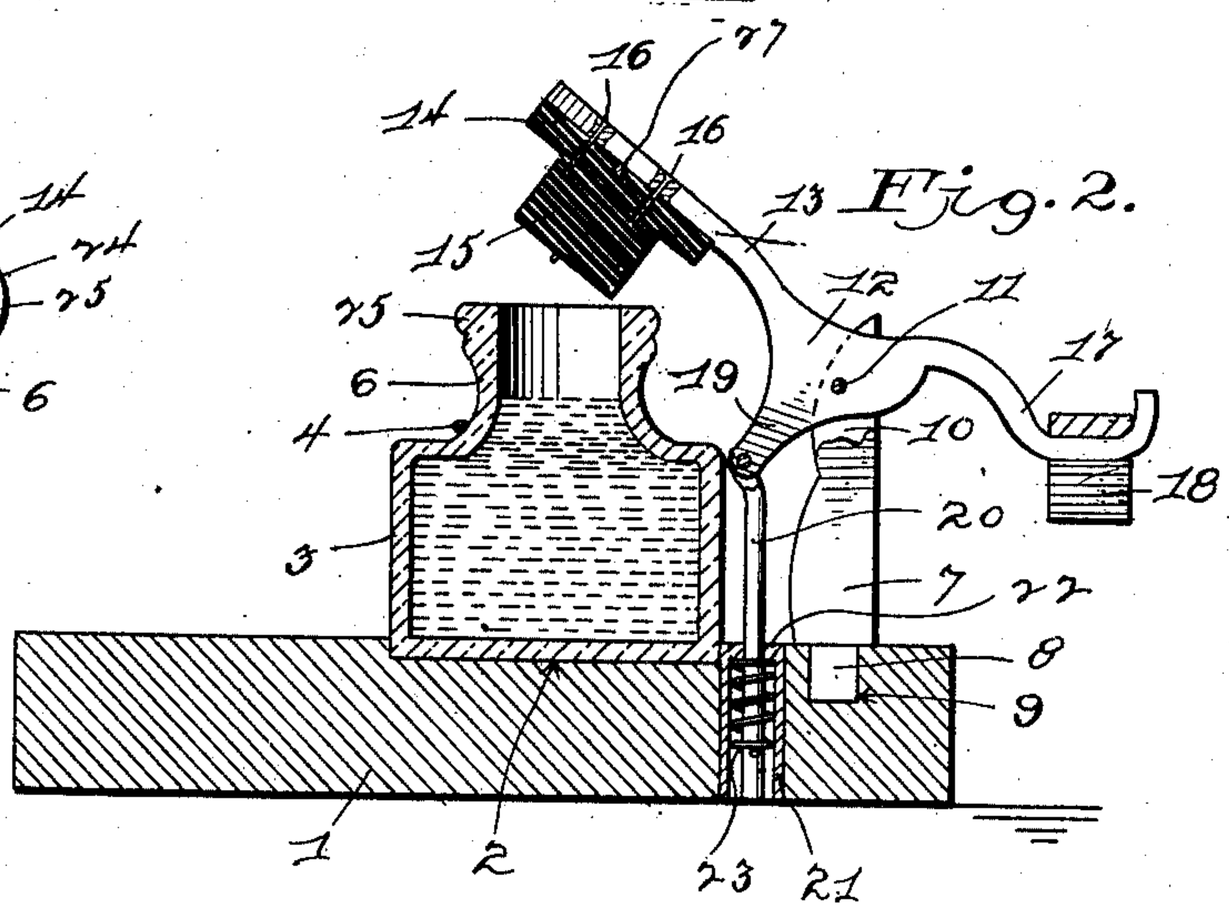


Fig. 2.



Witnesses

J. W. Wells

H. Jones Doyle

Inventor

Wickton Sundquist,

By E. E. Vroom,

Attorney.

UNITED STATES PATENT OFFICE.

WICKTON SUNDQUIST, OF BINGHAM, UTAH.

INK-BOTTLE.

963,660. Specification of Letters Patent. **Patented July 5, 1910.**

Application filed September 18, 1909. Serial No. 518,392.

To all whom it may concern:

Be it known that I, WICKTON SUNDQUIST, a citizen of the United States of America, residing at Bingham, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Ink-Bottles, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to ink wells, and the principal object of the same is to provide a closure therefor which will be automatically retained in an open position when the well is in position for use, but which will automatically seal the well if the same is overturned or caused to assume a position other than the normal position ready for use.

In connection with the foregoing principal object of the invention, it is contemplated providing the closure with fastening means for holding the closure in sealing relation to the well so that said well may be kept sealed when not in use.

In carrying out the objects of the invention generally stated above, it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein—

Figure 1 is a perspective view of the improved ink well. Fig. 2 is a central vertical sectional view taken on the line 2—2, Fig. 1. Fig. 3 is a fragmentary vertical sectional view of the upper portion of the well, showing the same sealed.

Referring to said drawings by numerals, 1 designates a flat supporting base which is provided with a seat 2 for the ink well 3. A pair of spring arms 4—5 project from said base, the arm 4 having an angular curved upper portion adapted to be passed over the ink well and partially around the neck 6 thereof and have its end in detachable hooked engagement with the upper end of the arm 5. A standard 7 has its reduced lower end 8 mounted in a socket 9 of said base 1, the upper end of said standard being bifurcated as indicated at 10 and provided with a pivot pin 11 on which a rocking lever 12 is mounted. Said lever 12 has an upwardly-curved, forwardly-projecting portion 13, the end of which is straight and flat and is fastened to the flat head 14 of a rubber or other closure 15 by means of the rivets 16 or equivalent fasteners. A handle 17 projects rearwardly of said lever 12 and terminates in an upstanding hook from which a weight 18 may be suspended. Said lever 12 is also provided with a pendent arm 19 arranged slightly in advance of its pivotal connection with the standard 7, the lower end of said arm 19 being pivotally connected with the upper end of a rod 20 which is slidably mounted in a sleeve 21 extending transversely through the base 1. The sleeve 21 is open at its bottom and its top is partly closed to provide an abutment 22 for one end of a spring 23 coiled about the rod 20 and having its other end fastened to said rod. Said spring is an expansible one and is constantly exciting a downward pull on said rod 20 to rock the lever 12 to a position where the closure 15 will enter and seal the neck 6 of the well 3. Said closure 15 carries oppositely-disposed spring arms 24, the free ends of which are in the form of hooks, which are adapted to engage with the annular shoulder 25 of the neck 6 to hold said closure and neck in sealed relation. Said arms are preferably integral, their body 26 being pivotally mounted in a slot 27 formed across the head of said closure 6 and rotatably held thereon by the flat straight end of the lever 12.

It will be understood from the foregoing that when the closure 15 is held within the neck 6 of the well by the arms 24, the lower end of the rod 20 will project through and beyond the bottom of the base 1. When it is desired to use the well 3, the arms 24 are rocked to disengage them from the shoulder 25, whereupon the weight of the base 1 supplemented by the weight 18 on the handle 17, will force the rod 20 upwardly through the sleeve 21 against the tension of the spring 23, thereby causing the lever 12 to rock to the position shown in Figs. 1 and 2, which removes the closure 15 from the neck of the well 3 so that access may be had to the well through the neck 6. Should the base be accidentally overturned, or moved to a position where it does not rest on its bottom, the tension of the spring 23 will automatically pull the rod 20 down through the sleeve 21, thereby rocking the lever 12 and cause the closure 15 to seal the neck 6.

What I claim as my invention is:—

1. A device of the character described comprising a supporting base, a well there-

on, a lever pivotally mounted on said base, a well closure carried by said lever, and means for automatically operating said lever to cause the closure to unseal the well when said base is in a normal position and seal the well when the base is in an abnormal position.

2. A device of the character described comprising a base, a well thereon, a closure for said well, manually operated means for causing said closure to seal the well, and automatically acting means for causing said closure to unseal the well when the base is in a normal position and to automatically seal the well when said base is in an abnormal position.

3. A device of the character described comprising a base, a well thereon, a pivotally mounted lever on said base, a well closure carried by said lever, manually operated spring arms carried by said closure for engaging with the well to lock the closure in engagement therewith, and means for automatically disengaging said closure from the well when the base is in a normal position and for engaging said closure with the well when the base is in an abnormal position.

4. A device of the character described comprising a base, a well supported thereby, a lever pivotally mounted on said base, a well closure carried by said lever, and an automatically actuated rod for operating said lever to cause said closure to unseal the well when the base is in a normal position and to seal the well when said base is in an abnormal position.

5. A device of the character described comprising a base, a well supported thereby, a standard carried by said base, a rocking lever mounted on said standard, a well closure carried by said lever, and a spring pressed rod passing through said base and pivotally connected to said lever for automatically actuating said lever to cause the closure to seal or unseal said well.

6. A device of the character described comprising a base, a well supported thereon, a closure for said well, a rocking lever connected to said closure, a spring pressed rod for automatically actuating said lever to cause said closure to seal or unseal said well, and manually operated spring arms carried by said closure and adapted for engagement with said well to hold the closure in sealing relation therewith.

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

WICKTON SUNDQUIST.

Witnesses:
F. H. CELLVEULTRA,
J. W. GRANT.