

No. 671,170.

Patented Apr. 2, 1901.

W. S. RUSSELL.

INKSTAND.

(Application filed Nov. 24, 1900.)

(No Model.)

Fig: 1.

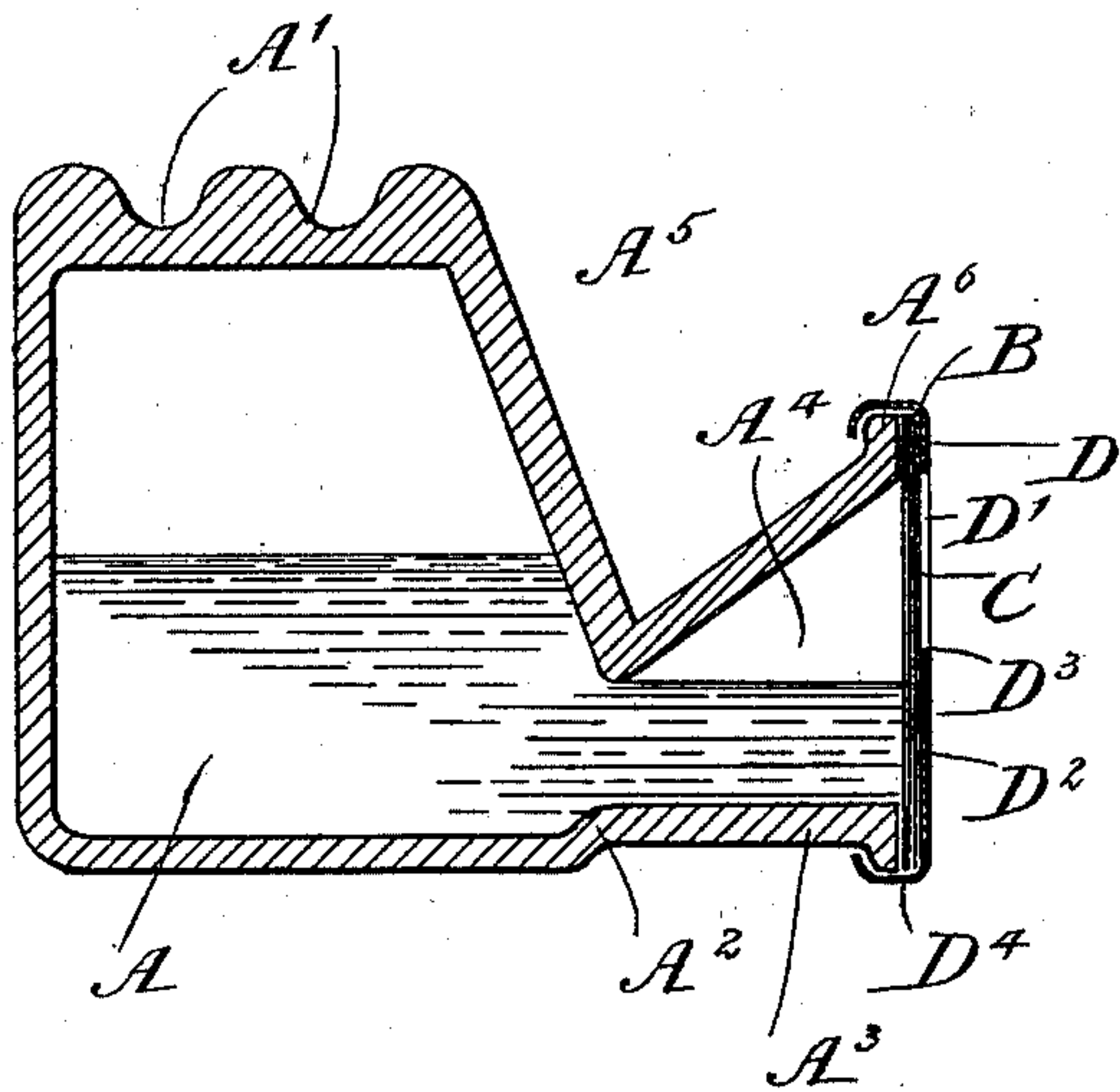
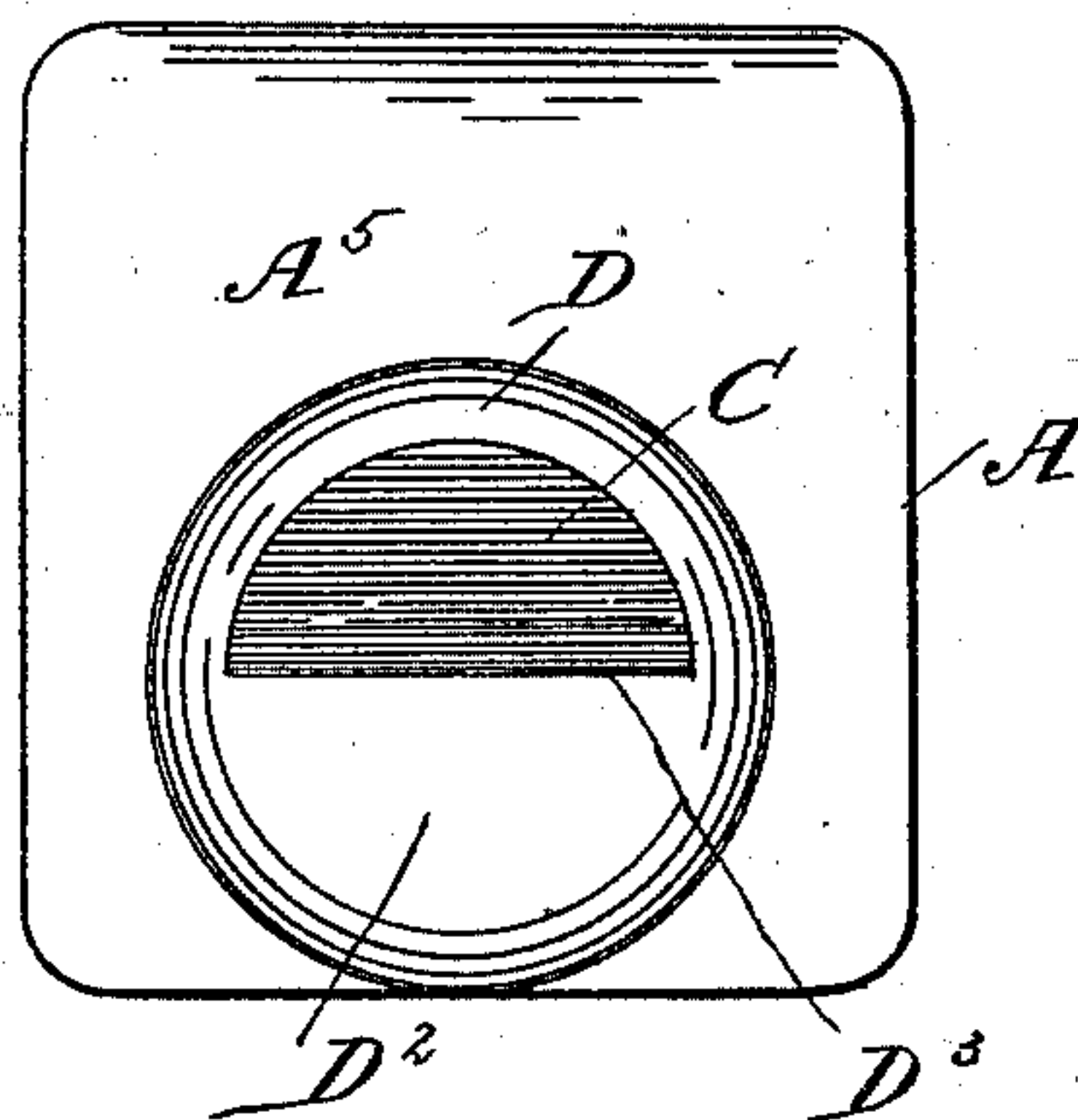


Fig: 2



WITNESSES

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WINFIELD S. RUSSELL, OF NEW YORK, N. Y.

INKSTAND.

SPECIFICATION forming part of Letters Patent No. 671,170, dated April 2, 1901.

Application filed November 24, 1900. Serial No. 37,592. (No model.)

To all whom it may concern:

Be it known that I, WINFIELD S. RUSSELL, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Inkstands, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to fountain-inkstands, and has for one object to provide a simple, cheap, readily-constructed, and perfectly-operating device of this character which will present a small, but sufficient, volume of ink to the pen and which will embody the dust-excluding properties of other more complicated inkstands hitherto produced by presenting a vertical face or mouth. The advantages of this style of inkstand are well-known to be the exclusion of dust and also the capability of being placed in the pigeon-hole of a desk, whereby it is not likely to be overturned.

A more specific object of the invention is to make an extremely simple device of this character.

A further object of the invention is to provide an inkstand of this class embodying unique means of sealing and permitting ready and safe transportation either manually or through the mails when the inkstand is filled, which I believe to be an entirely new function in devices of this special class.

The invention consists in the novel construction and arrangements of parts hereinafter fully described and claimed.

In the accompanying drawings, forming part of this specification, in which like reference characters denote like parts in both views, Figure 1 is a central vertical section of an inkstand embodying my invention. Fig. 2 is a front elevation of the same.

In the practice of my invention I construct an inkstand, preferably of a single piece of glass, comprising a main supply-reservoir A, the roof or upper portion of which may be provided with pen-rack grooves A'. The base of the inkstand is angularly projected at A² to form a shoulder and is extended forwardly to form the base A³ of a dip-cup A⁴. The front wall A⁵ of the inkstand descends ob-

liquely and is projected at approximately right angles forwardly to form the remainder of the dip-cup A⁴, which is preferably circular in cross-section and is provided with an exterior annular flange A⁶, which at the bottom of the dip-cup projects downwardly to approximately the level of the base of the supply-reservoir A. Upon the face or front edge of the dip-cup I place a rubber or other ring or washer B and lay over in front of the same a disk or circular sheet of lead-foil C. Over or in front of the sheet of lead-foil C, I place a metallic cap D, the upper half of which is ring-shaped to leave a semicircular opening D' and the lower portion of which is formed with a semicircular top or guard D², the upper edge D³ of which is horizontal and ranges slightly above the level of the lower extremity of the front-wall A⁵ of the main reservoir, so that, as shown in Fig. 1, the said edge D³ will be above the level of the ink in the dip-cup. The cap D is formed with a backwardly-directed annular flange D⁴, which is turned over and around the annular flange A⁶ of the dip-cup, so as to securely fasten the cup D³, the lead-foil C, and the washer B in position.

In the operation of my invention the lead-foil C is cut through at and around the edge of the semicircular opening D', which thus permits access of the pen to the dip-cup, it being clear, as seen in Fig. 1, that the washer B being ring-shaped will leave this space open when the foil is removed. A vertical mouth is thus formed into which the pen can be dipped. As the level of the ink is always the same as that of the lower edge of the front wall A⁵, the device operates as a fountain-inkstand, and as the edge D³ of the semicircular lower portion D² of the cap D is above the level of this lower edge of the front wall A⁵ the ink cannot overflow. When the level of the ink becomes too low, the inkstand may be filled through the opening D' of the cap. The inkstand normally rests upon the base portion of the supply-reservoir A, and the upraising of the extension A³ and formation of the flange A⁶ brings the lower edge of the flange D⁴ of the cap D on a level with the base of the supply-reservoir, so that there is neither danger of tipping of the bottle nor any alteration of the level of the ink.

It is a great advantage in inkstands of this kind that the dust cannot fall into them, as the mouth is on a vertical plane. It will be seen that this is the case in my inkstand as thus described and that the construction is simple and cheap. It is also particularly important that I am enabled to make the bottle of one piece of glass, and I am not aware of any inkstand embodying a supply-reservoir, an integral forwardly-projecting dip-cup, and an apertured cap forming a vertical mouth, which combination embodies the main or generic principle of my invention.

It is, further, a distinct advantage of my improved inkstand that it can be filled with ink and forwarded through the mails or sold over the counter. The great disadvantage of a large number of otherwise excellent inkstands is that the purchaser must buy the stand and also a separate bottle of ink, and this is what practically a majority of people will not do. By the provision of this simple and inexpensive inkstand and by the construction of closure embodied therein I am enabled to supply an inkstand properly filled with ink, sealed without the use of a stopper, incapable of leakage, and made ready for use by the mere cutting of the lead-foil.

The advantages of my invention will be manifest to all who are conversant with devices of this character. I do not confine myself to the exact construction and arrangement of parts shown.

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

1. An inkstand embodying a supply-reservoir, a dip-cup connected therewith at the front approximately at the base of the inkstand and projecting forwardly of the same, the upper rear wall of the dip-cup being projected downwardly and opening into the supply-reservoir and governing the level of the ink, and open at the front, and a cap secured to the edge of the dip-cup and partially closing the front thereof and having a semicircular opening in the top thereof, and the lower portion thereof being formed with a semicircular top or guard, the upper edge of which is substantially horizontal and ranges to or above the level of the ink.

2. An inkstand embodying a supply-reservoir and a forwardly-projecting dip-cup open at the front, and a cap secured upon and partially closing the front of the said dip-cup, and formed with a thin semicircular upwardly-projecting lower wall, said cap being open thereabove to permit direct access to the dip-cup.

3. An inkstand embodying a supply-reservoir and a dip-cup connected therewith and projecting forwardly therefrom, and open at the front, and a cap mounted upon the front edge of the dip-cup and partially closing the front thereof and having its edge turned around the same, the upper portion of the said cap being cut out to permit direct access

to the dip-cup, and the lower portion forming an upwardly-projecting wall to or above the level of the ink.

4. An inkstand embodying a supply-reservoir, and a dip-cup having its rear portion opening into the said reservoir, and a front or cap portion upon the said dip-cup formed to constitute a closure for the dip-cup to and above the level of the ink therein, and open thereabove.

5. An inkstand embodying a supply-reservoir, and a cup, and a cap surrounding and secured to the front edge of the dip-cup, and means beneath the said cap to secure the same to make a fluid-tight connection between the said dip-cup and the cap.

6. An inkstand embodying a supply-reservoir, provided with a forward dip-cup having an annular flange thereon, a cap mounted upon and secured around the said flange and provided with an opening in the upper portion thereof, and a sheet of thin fluid-proof material inserted beneath the said cap to close the opening of the said cap; the said sheet of material being adapted to be cut out when it is desired to use the inkstand.

7. In an inkstand the combination with a supply-reservoir and a dip-cup having an annular flange thereon, of a washer placed upon and in front of the dip-cup, and a sheet of lead-foil upon and in front of the said washer, and a metallic cap upon and in front of the dip-cup, the said cap being provided with an annular flange which projects rearwardly and is turned around the flange of the dip-cup to secure the cap thereto; the said cap being formed with a closed lower portion projecting to and above the level of the ink in the dip-cup, and open thereabove.

8. An inkstand embodying a supply-reservoir, the base portion of which is projected upwardly to form an extension, and the front wall of the reservoir being projected obliquely and thence upwardly and forwardly to form with the said extension a circular dip-cup which is provided with an annular flange upon the front thereof, the lower portion of said wall projecting to or about the level of the base of the supply-reservoir, a ring or washer placed upon and in front of the said edge of the said dip-cup, a sheet of lead-foil placed on and in front of the said washer, and a metallic cap placed upon and in front of the sheet of lead-foil and provided with a backwardly-directed annular flange which is turned inwardly around the annular flange of the dip-cup to secure the cap thereto, the lower portion of the said cap being formed with a semicircular strip which projects above the lower edge of the front wall of the reservoir and is provided with a horizontal edge and the upper portion of the said cup being provided with a semicircular opening through which the lead-foil may be cut to form a vertical mouth for the insertion of the pen.

9. The combination with an inkstand or

other fluid-bottle or other receptacle, of means for closing the same, comprising a sheet or piece of material secured upon the open portion of the receptacle, and a non-removable
5 cap secured upon the receptacle immediately outside of the said sheet of fluid-proof material; the said sheet being formed and adapted to be cut through around the inner edge of the cap.

10 10. An inkstand embodying a supply-reservoir, and a dip-cup projecting forwardly therefrom and formed with a vertical mouth; provided with an exterior annular flange, and a cap mounted against the said mouth and

having its edge turned around the said cap, 15 and open at the top to permit direct access to the dip-cup, and the lower portion thereof forming an upwardly-projecting wall above the level of the ink.

In testimony that I claim the foregoing as 20 my invention I have signed my name, in presence of the subscribing witnesses, this 22d day of November, 1900.

WINFIELD S. RUSSELL.

Witnesses:

F. A. STEWART,

M. K. LOWERRE.