

(No Model.)

2 Sheets—Sheet 1.

L. B. PRAHAR.
SAFETY INKSTAND.

No. 376,259.

Patented Jan. 10, 1888.

Fig. 1.

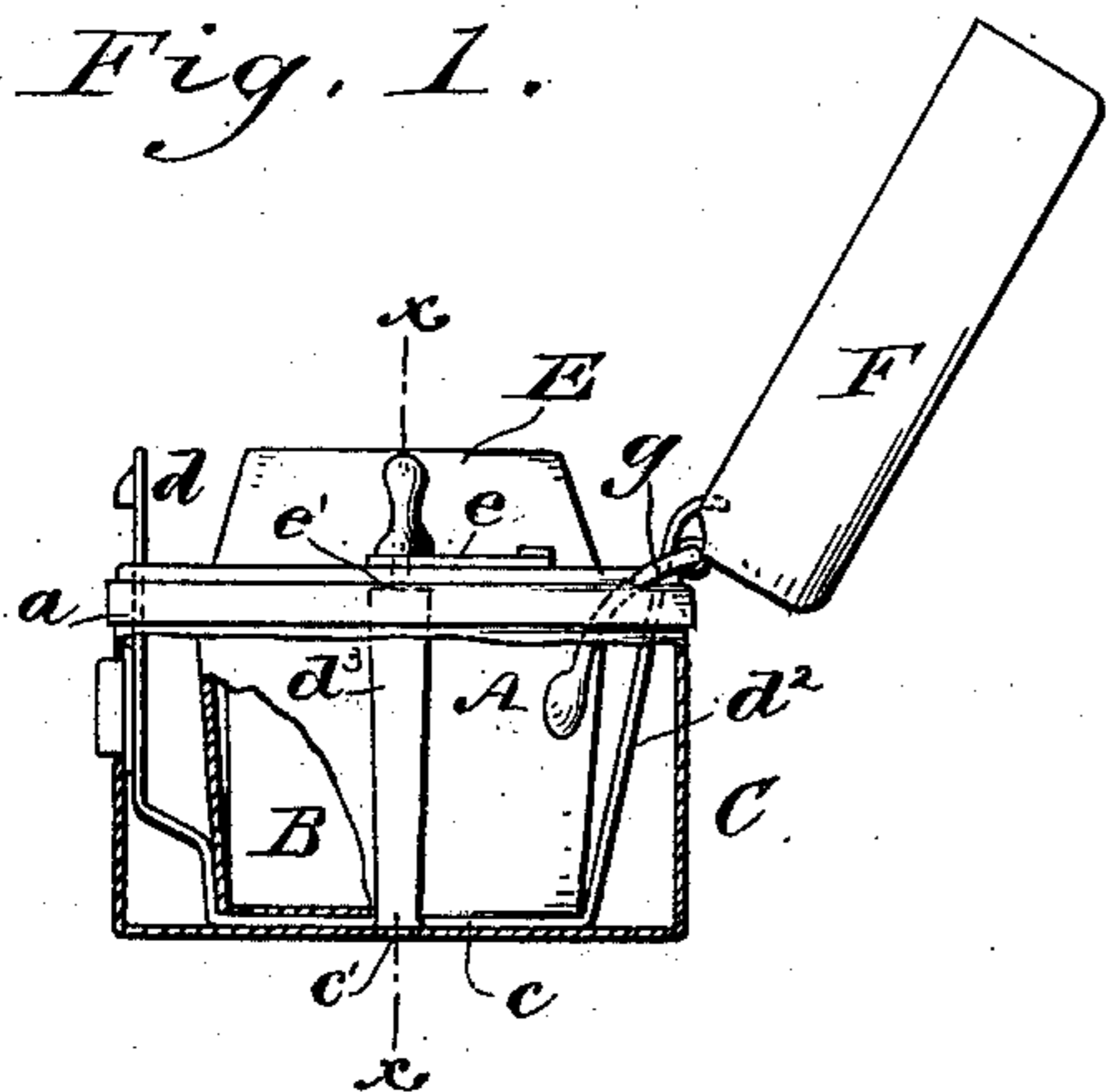


Fig. 2.

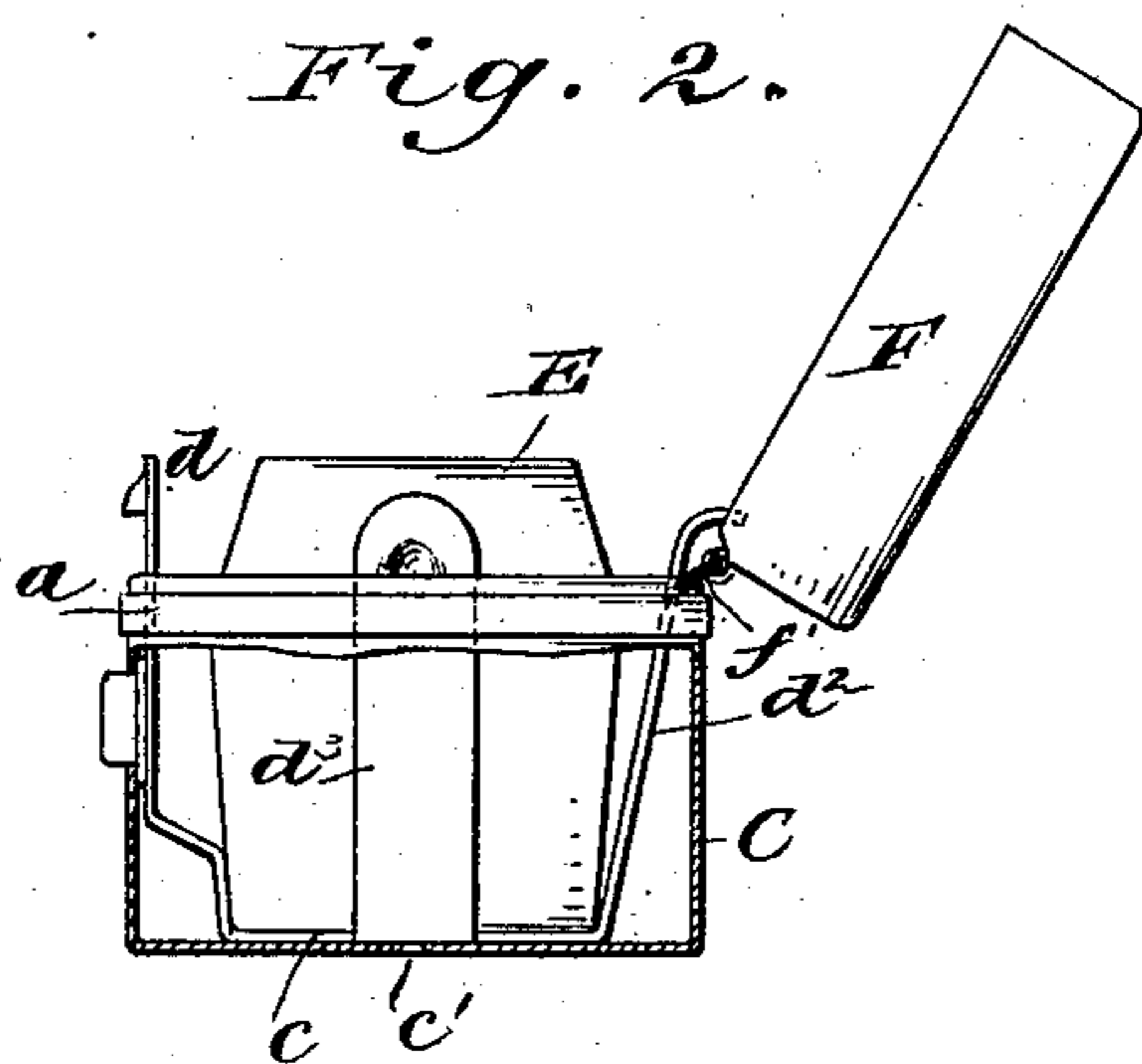


Fig. 3.

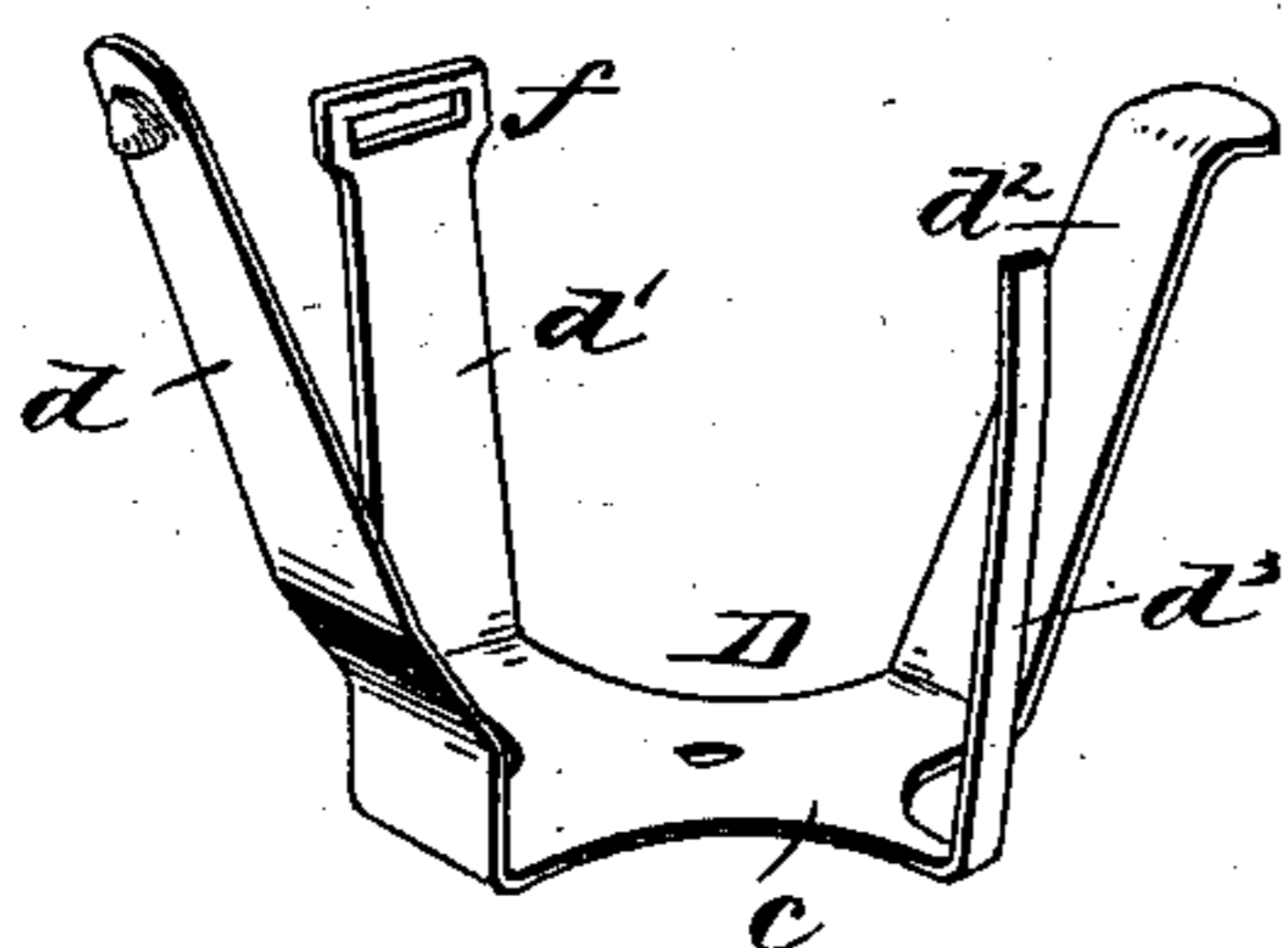


Fig. 4.

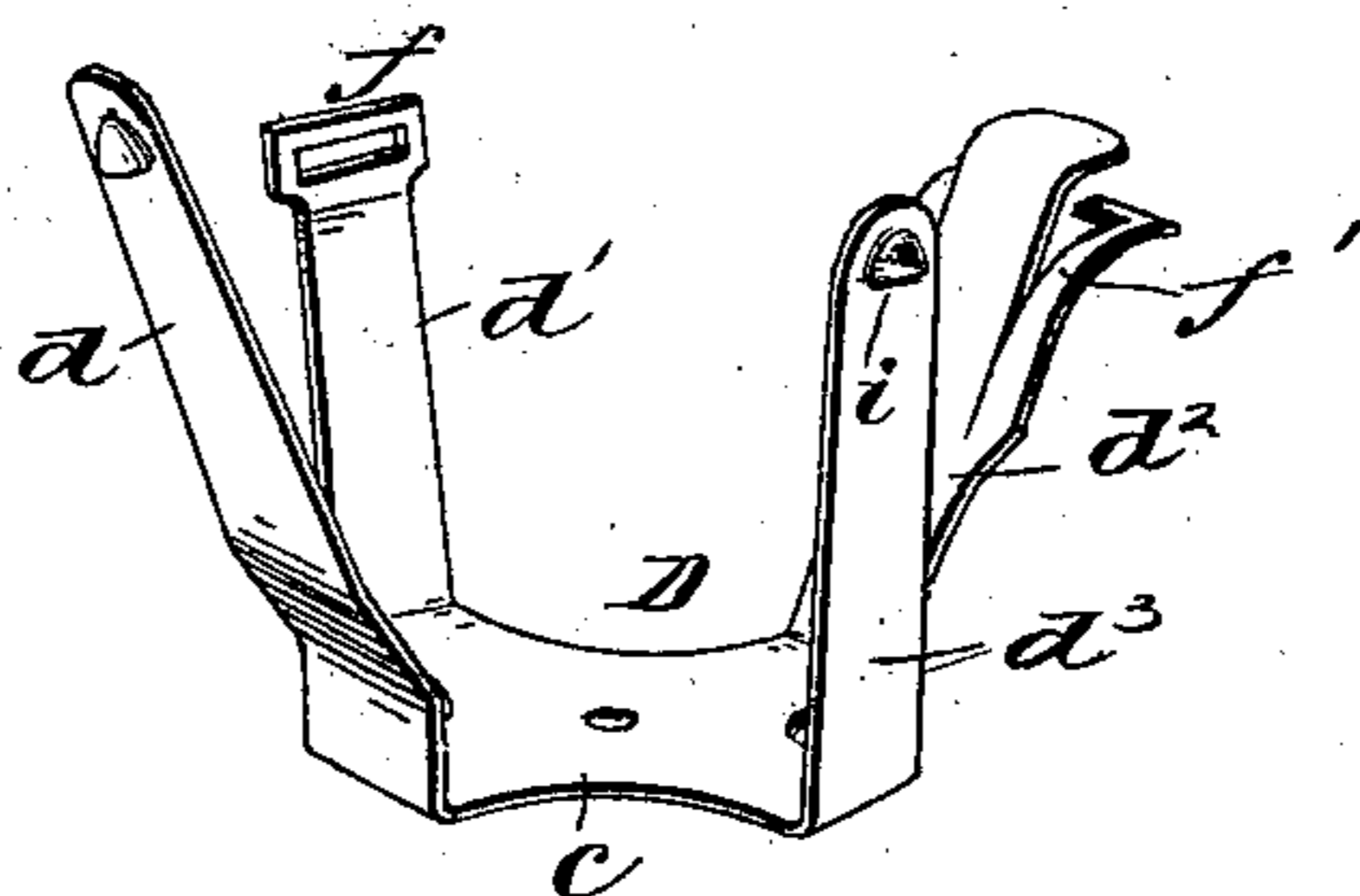


Fig. 5.

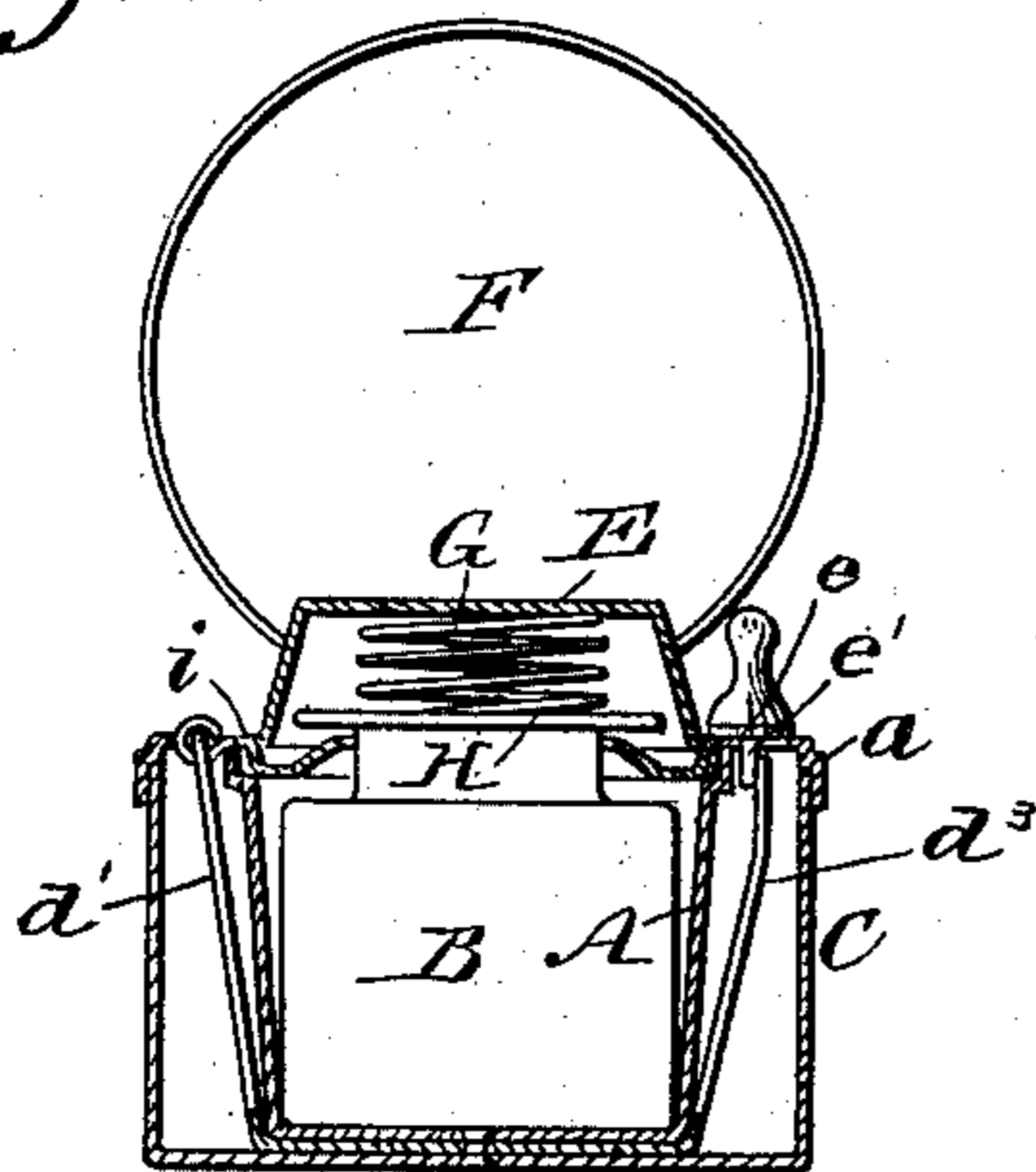
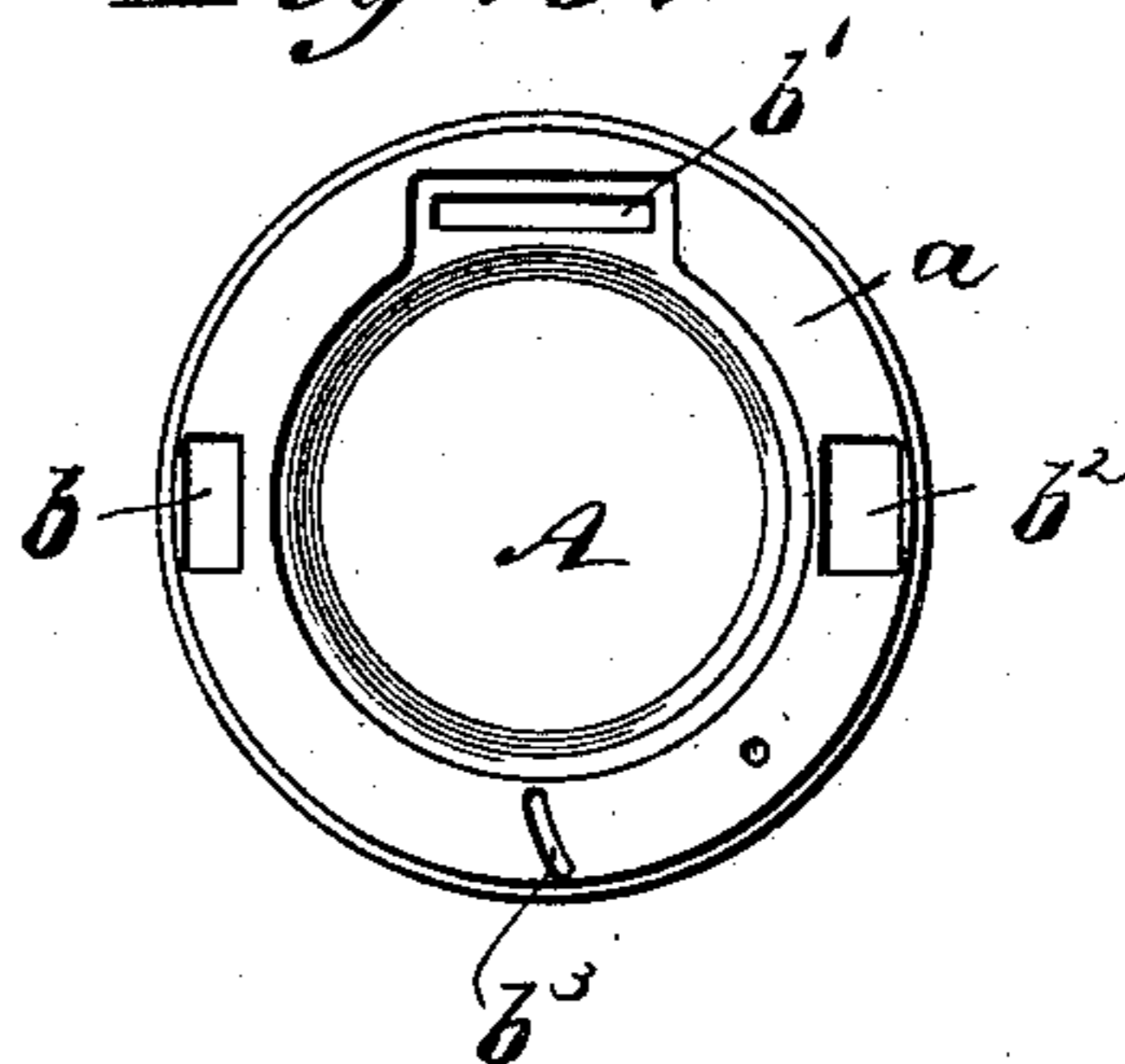


Fig. 6.



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2 Sheets—Sheet 2.

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Fig. 7.

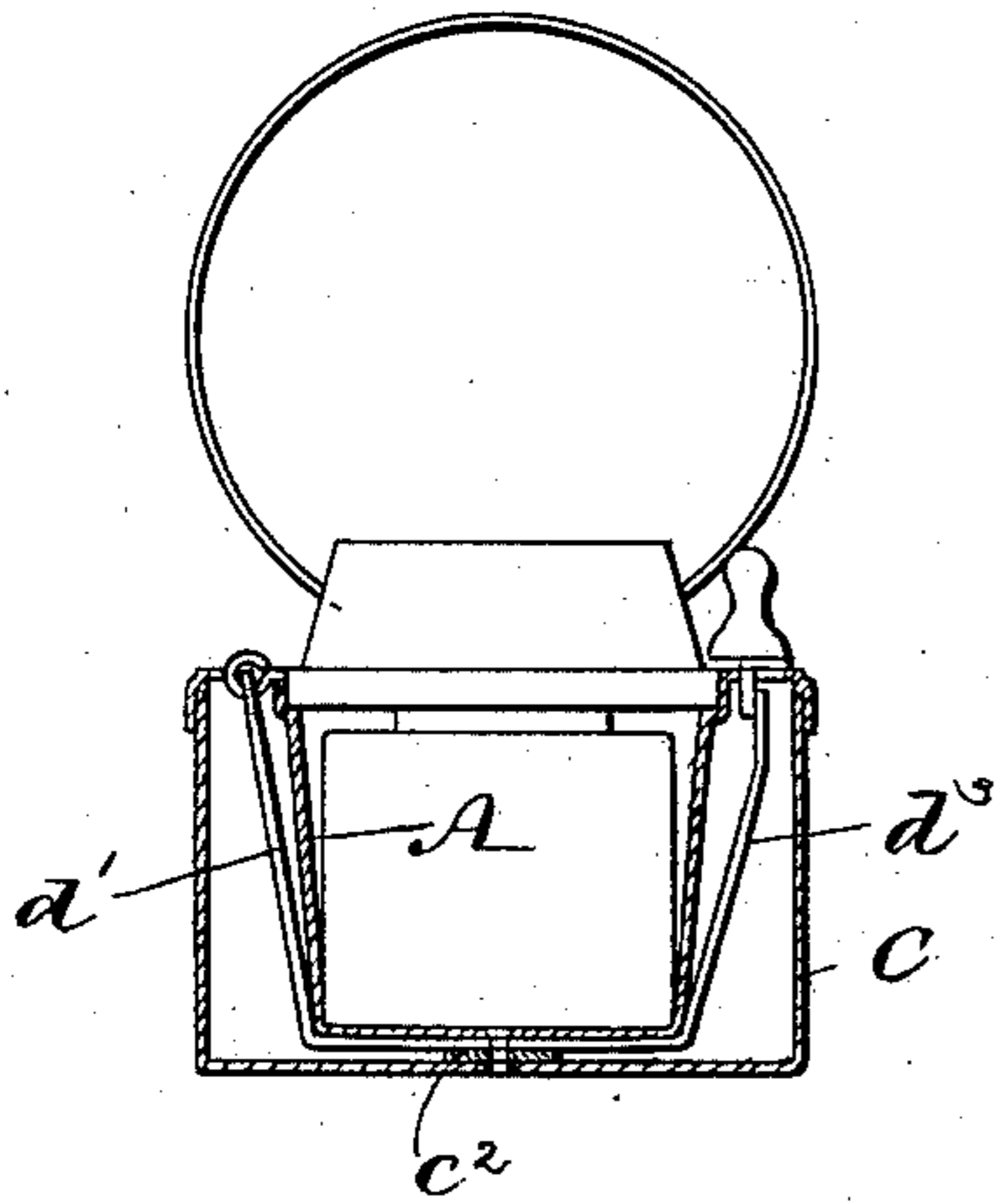


Fig. 8.

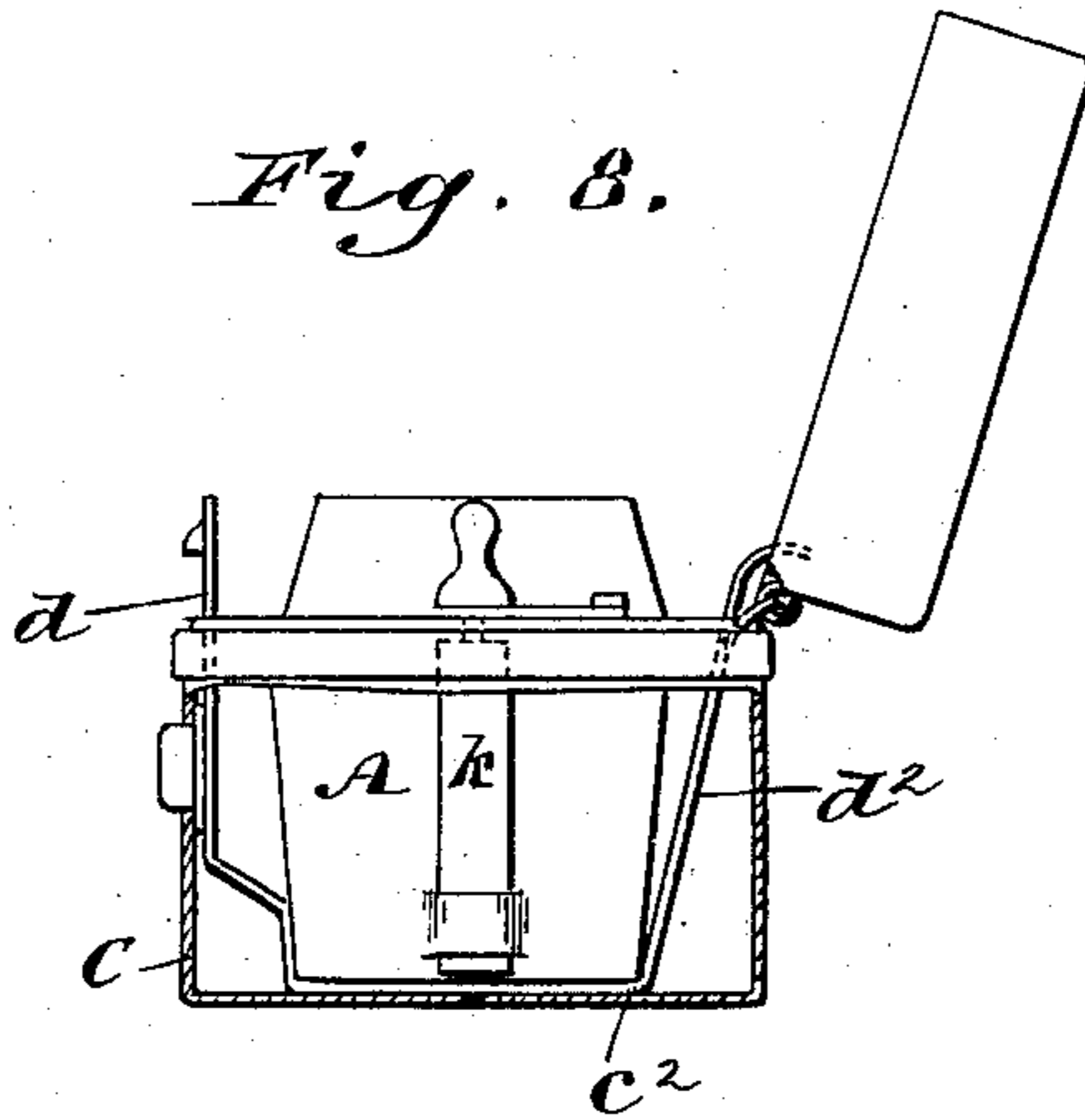
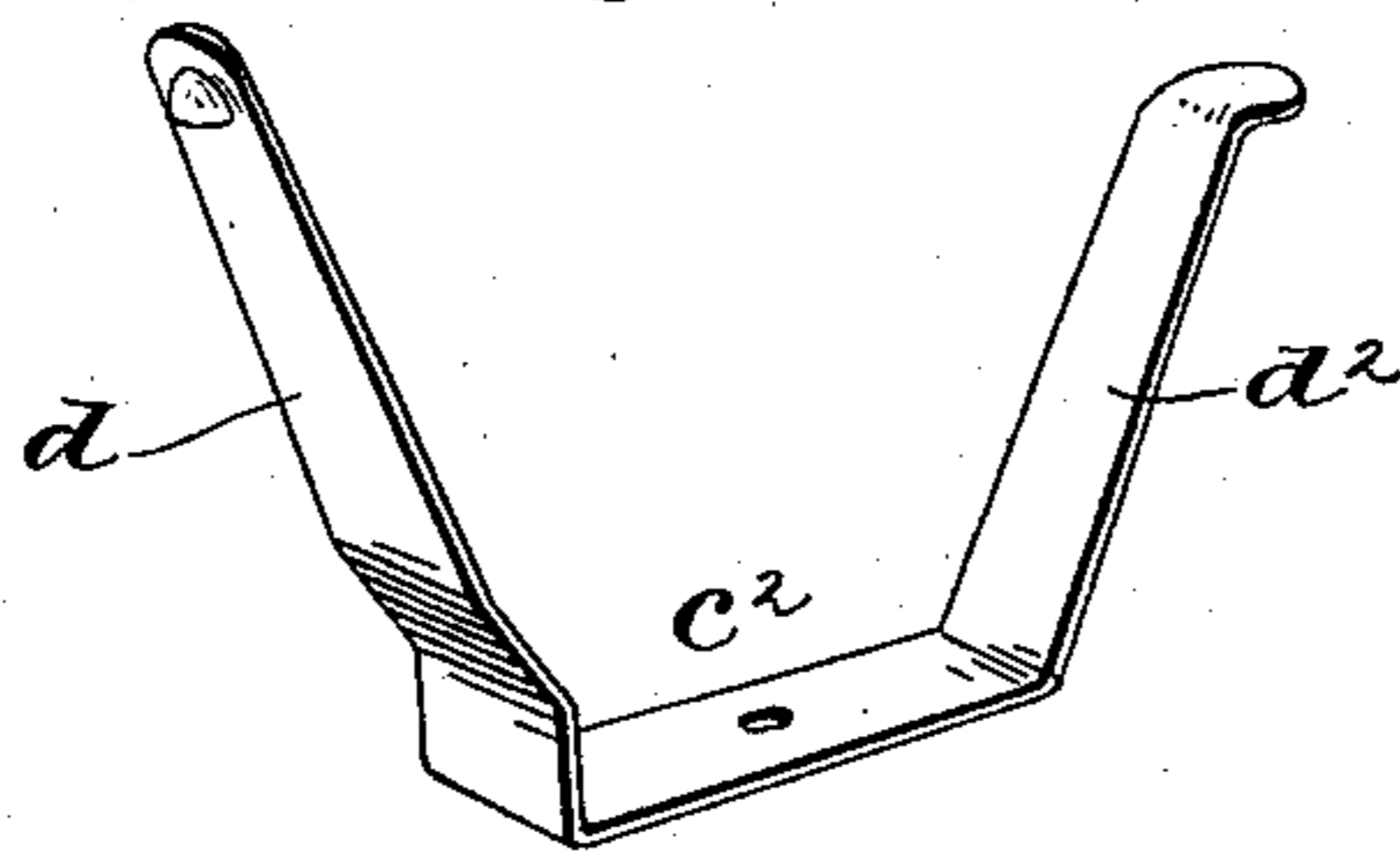


Fig. 9.



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UNITED STATES PATENT OFFICE.

LOUIS B. PRAHAR, OF BROOKLYN, NEW YORK.

SAFETY-INKSTAND.

SPECIFICATION forming part of Letters Patent No. 376,259, dated January 10, 1888.

Application filed September 30, 1887. Serial No. 251,126. (No model.)

To all whom it may concern:

Be it known that I, LOUIS B. PRAHAR, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Safety-Inkstand, of which the following is a full, clear, and exact description.

My invention relates to that class of inkstands wherein the bottle is inclosed by an inner and outer case, each provided with a cover. In the ordinary construction of such stands the springs and strips carrying the hinges, &c., are separate pieces secured, usually by soldering, to the outside of the inner casing; and my invention consists, principally, in forming the springs as part of a metal frame, the same being shaped to embrace the inner casing to act on opposite sides thereof.

The invention also consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a broken side elevation of my new and improved inkstand, showing the outer cover open. Fig. 2 is a similar view showing a modification. Fig. 3 is a perspective view of the spring-frame removed. Fig. 4 is a similar view showing a modification. Fig. 5 is a sectional elevation on the line xx of Fig. 1. Fig. 6 is a plan view of the inner casing. Fig. 7 is a sectional side view of an inkstand, showing a modified form of my improvement. Fig. 8 is a view at right angles to Fig. 7, and showing another modification; and Fig. 9 is a perspective view of the form of frame used in Figs. 7 and 8.

The inner casing, A, which holds the bottle B, is formed with a flange, a , to which the outer casing, C, is secured. Through this flange a of the inner casing are formed suitable openings for the ends of the strips carrying the hinges of the covers and forming the springs therefor, which strips have heretofore been separately secured to the inner casing by soldering, and in use soon become detached, rendering the stand useless.

My improvement consists in a plate held beneath the inner casing and provided with integral upwardly-extending arms projecting

through the openings in the flange a and forming a frame embracing the inner casing. The spring-frame D is stamped from a piece of sheet metal with a base, c , to lie beneath the inner casing, A, to which it is secured by a small rivet, c' , and is formed with the arms d d' d^2 d^3 , which are bent upward, as shown, to extend through the openings b b' b^2 for the arms d d' d^2 of the frame D, respectively; and the flange is also formed with the small slot b^3 for the pin e' of the pivoted catch e to move in against the arm d^3 of the spring-frame D.

The arms d d^2 d^3 are springs, the latter to operate the catch e for holding the inner cover, E. The spring d^2 is for throwing open the outer cover, F, while the spring d is a spring-catch for holding the said outer cover closed. The arm d' is slotted at its upper end at f , in which slot the hinge of the inner cover, E, is formed. The outer cover, F, in the form of stand shown in Fig. 1, is hinged to a wire, g , soldered to the inner casing, A. In the form shown in Figs. 2 and 4 this wire is dispensed with and the arm d' is stamped integral with a loop, f' , to which the outer cover is hinged, as shown clearly in Fig. 2, thus avoiding the separate wire g of Fig. 1 and the labor of soldering the same in position. In Figs. 2 and 4 I also avoid the use of the spring-catch e by extending the arm d^3 to reach up through an opening in the flange a of the inner casing and forming it with an inwardly-projecting lug, i , to engage with the outer edge of the annular flange i' of the inner cover when closed. The inner cover, E, contains a spring, G, and plate H, held in place by the said annular flange i' , to act as a stopper to close the bottle B when the said inner cover is closed.

In the modification shown in Figs. 7 and 9, instead of forming the arms all integral with a single plate, c , I form them by bending a spring-strip twice to form the base-plate c^2 and two arms. Two of these strips being placed at right angles to each other and centrally secured to the bottom of the inner casing secure the same results as when a single plate having four arms is used.

In some cases, as shown in Fig. 8, it might be preferred to attach the arms carrying the hinge and catch of the cover of the inner casing to the casing, as shown at k , using the

frame shown in Fig. 9 for the outer cover, or the arrangement might be reversed; but the plate with four arms is at present preferred.

By constructing the inkstand as described 5 the same is made almost entirely by machinery, and all hand labor and trouble and expense of fitting are avoided, and the stand is practical, durable, and comparatively cheap.

This invention can be applied to inkstands 10 having but one casing and cover by placing the bottle directly upon the plate *c*, which in this case would be secured to the single casing beneath the bottle.

Having thus fully described my invention, I 15 claim as new and desire to secure by Letters Patent--

1. In an inkstand, the combination, with the casing and cover, of a frame consisting of a base provided with upwardly extending arms which 20 form springs adapted to act in connection with the cover, substantially as set forth.

2. In an inkstand, the combination, with the casing and cover, of a frame consisting of a base provided with upwardly extending arms which 25 carry the hinge of the cover and form springs adapted to act in connection therewith, substantially as set forth.

3. In an inkstand, the combination, with the casings, of a frame attached thereto, provided 30 with arms, one of which forms a retracting-spring for the cover of the outer casing, and one of which forms the spring catch for said cover, substantially as set forth.

4. In an inkstand, the combination, with the 35 casings, of a plate bent to form a base to receive the base of the inner casing, and also the

spring-arms which extend upward through openings in the top flange of the casings, substantially as set forth.

5. An inkstand consisting of outer and inner 40 casings provided each with a cover, and a frame provided with arms which carry the covers and form springs for the catches of said covers, an ink-bottle being held within the inner casing, substantially as set forth.

6. The combination, with the casings A C, 45 having the top flange, *a*, provided with openings, of a frame, D, consisting of a base-plate having integral spring-arms extending through said openings, which arms are adapted to re- 50 ceive the hinges of the covers and to act as catches for said covers, substantially as set forth.

7. The spring-frame D, formed with a base, *c*, and with several springs projecting upward 55 therefrom, in combination with the inner frame, A, outer frame, C, and the covers thereof, substantially as described.

8. The spring-frame D, formed with a base, *c*, the arm *d'*, to which the inner cover is 60 hinged, and with several spring-arms, substantially as described.

9. The spring-frame D, formed with a base, *c*, and with the spring-arms *d* *d*² *d*³, and with the arm *d'*, in combination with the inner and 65 outer casings and the covers thereof, substantially as described.

LOUIS B. PRAHAR.

Witnesses:

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C. SEDGWICK.