

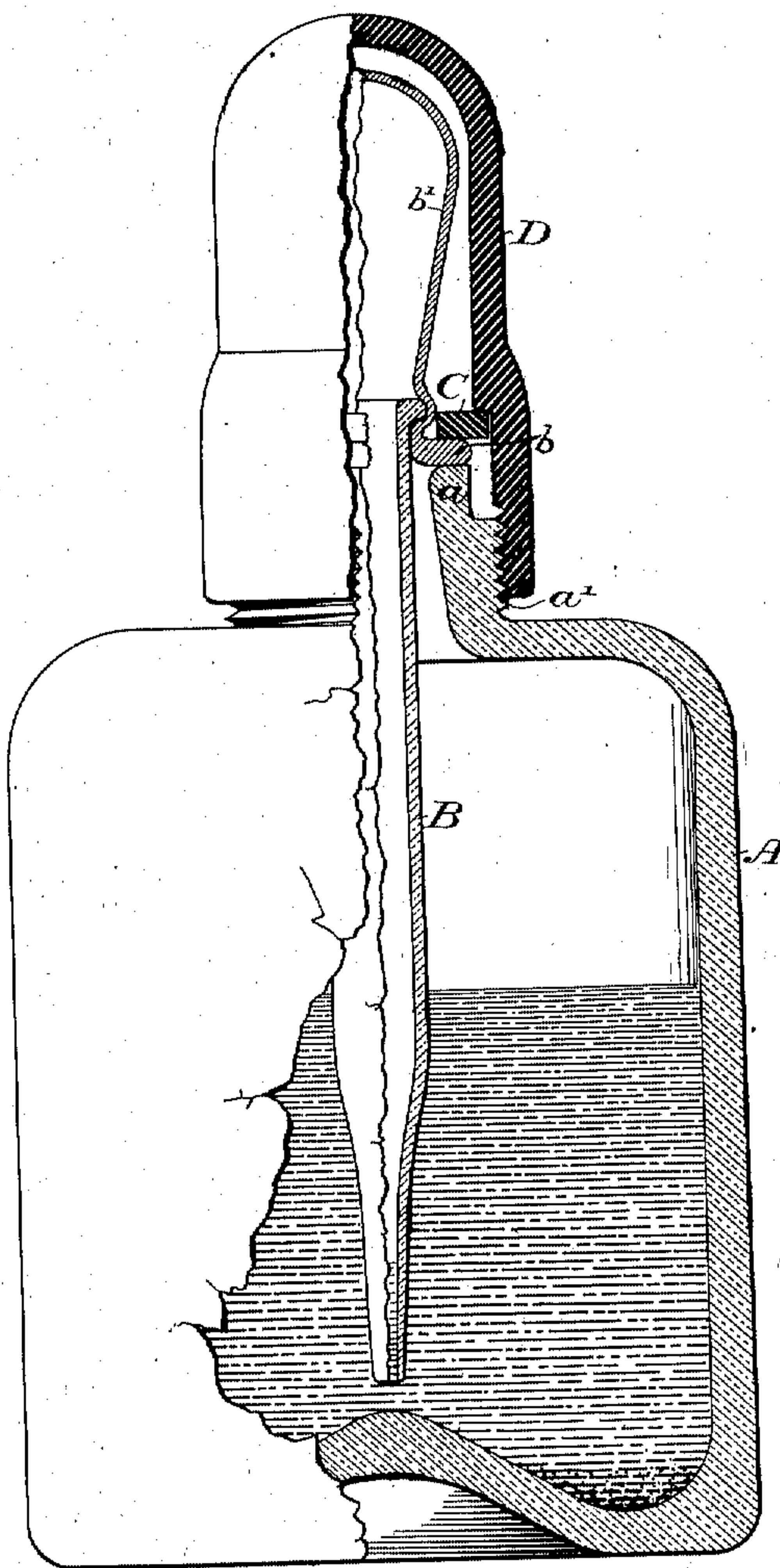
(No Model.)

M. H. KERNER.

BOTTLE FOR INK.

No. 328,122.

Patented Oct. 13, 1885.



Witnesses
Geo. W. Young.
Henry A. Lamb.

Inventor
Marion H. Kerner,
By his Attorneys
Jannus & Smith

UNITED STATES PATENT OFFICE.

MARION H. KERNER, OF NEW YORK, N. Y.

BOTTLE FOR INK.

SPECIFICATION forming part of Letters Patent No. 328,122, dated October 13, 1885.

Application filed June 29, 1885. Serial No. 170,152. (No model.)

To all whom it may concern:

Be it known that I, MARION H. KERNER, a citizen of the United States, and a resident of New York city, county and State of New York, have invented certain new and useful Improvements in Bottles or Receptacles for Ink, Medicine, or other Liquids, of which the following is a specification.

My invention relates to an improvement in bottles or receptacles for ink, medicines, or other liquids; and it consists in the construction of a bottle of suitable height having a neck so formed that an ordinary fountain-pen filler or medicine-dropper may stand upright therein, and with the lower portion of its soft-rubber bulb resting upon the upper edge of the said neck, the mouth of the bottle constituting a cover therefor. I further provide the filler with a washer of some hard material, which is placed above the lower portion of the bulb, the whole being covered by a cap that fits down upon the exterior of the neck of the bottle, and at the same time applies pressure to the washer which rests upon the lower edge of the soft-rubber bulb of the filler, thus hermetically sealing the bottle, and effectually protecting both the ink and the filler from oxidation and the production of sediment, and also from the entrance or accumulation of dust and dirt.

The accompanying drawing is a view, partly in elevation and partly in section, showing the arrangement of devices constituting my invention.

A is the bottle or receptacle for the ink, medicine, or liquid, which may be of hard rubber, glass, celluloid, or other suitable substance, and it is provided with a short neck, *a*, the exterior of which is screw-threaded, as shown at *a'*; but I may also provide the same with inclined slots or keys, and in some cases make the same perfectly smooth and plain. The bottom of the receptacle A may be made higher in the center than elsewhere, for the purpose of deflecting any sediment away from that point.

B represents the well-known stylographic-pen filler or medicine-dropper, usually composed of a small taper-pointed glass tube provided at its upper end with a soft-rubber bulb, which, when collapsed between the thumb and

finger, is sufficiently powerful to, by its expansion, draw a charge of fluid into the glass tube. This bulb terminates in a flange, *b*, of somewhat increased thickness, which, when the filler is in position within the receptacle A, rests upon the top of the neck *a*, forming a cover therefor.

A collar, C, of hard rubber or other suitable material encircles the bulb, and is forced into place in a position resting upon the flange *b*, where it remains permanently, and, being always in position, will act as a guard to prevent the fluid running back to the fingers should the filler be inverted.

The receptacle A being charged with a supply of fluid, the filler B, with its collar attached, is dropped into the bottle, in which position it forms not only a most convenient stopper or cover for the bottle, but the filler, being at all times immersed in the fluid, is prevented from becoming dusty or rendered useless by an accumulation of dry fluid, and is at the same time less liable to injury.

In order to more perfectly protect the parts, and at the same time to hermetically close the receptacle A, and thereby prevent injury to its contents by the atmosphere, I provide a cap, D, preferably of hard rubber, although it may be made of metal, wood, glass, or other suitable materials. This cap is high enough to contain the bulb *b'* of the filler, and is formed with a shoulder engaging the collar C, and a lower portion, which is screw-threaded or otherwise formed to correspond with the neck *a*, and when placed in position will exert pressure upon the collar C, thereby compressing the flange *b* and effectually closing the mouth of the receptacle.

As before stated, the cap may be held in position by means of screw-threads or inclined recesses or projections upon the neck of the receptacle A; but in some cases I make both the neck and the cap plain and smooth, the cap being held in position by frictional contact therewith.

It will be obvious that instead of constructing the collar C and cap D separately, I may unite them, forming a flange extending from the interior of the cap far enough to compress the flange *b*. This may necessitate a slight modification in the bulb *b'* of the filler—as, for

instance, making the same approximately of even diameter throughout—but is, I consider, within the scope of my invention.

5 In using my device it is only necessary to remove the cap, when the filler will be found loosely in position to be withdrawn for use, the act of returning it to its position and releasing the bulb being sufficient to refill it and at the same time close the bottle, the closure
10 being subsequently rendered absolute by simply applying the cover B.

When both the bottle and cap are made of hard rubber or similar material, the device may safely be carried when traveling; but for
15 desk use cheaper material, such as glass, will usually be preferred.

Having described my invention, what I claim is—

20 1. The combination of a receptacle for ink, medicine, or other fluid, a pen-filler or medicine-dropper arranged therein and forming a cover therefor, and a cap engaging the neck of the bottle and the lower portion of the bulb

of the filler, and thereby securing the filler in position and hermetically sealing the receptacle, as set forth. 25

2. The combination, with the receptacle A, having a neck provided with screw-threads α' , or their described equivalents, of the filler B, secured by collar C, and a cap, D, constructed
30 to engage the neck of said bottle and the collar C, substantially as shown and described.

3. The combination, with the receptacle A, having a neck provided with screw-threads α' , or its described equivalents, of the filler B,
35 secured by collar C, and a cap, D, constructed to engage the neck of said bottle and the collar C, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 26th day of June,
40 1885.

MARION H. KERNER.

Witnesses:

MILLER C. EARL,

WATSON WAGSTAFF CRAIG.

It is hereby certified that in Letters Patent No. 328,122, granted October 13, 1885, upon the application of Marion H. Kerner, of New York, New York, the title of the invention was erroneously written and printed "Bottles for Ink," whereas the said title should have been written and printed *Bottles for Ink, Medicine, &c.*; and that the said Letters Patent should be read with this correction therein to make the same conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 20th day of October, A. D. 1885.

[SEAL.]

H. L. MULDROW,
Acting Secretary of the Interior.

Countersigned:

M. V. MONTGOMERY,
Commissioner of Patents.