

J. L. GOLDSMITH.
 FOUNTAIN PEN.
 APPLICATION FILED JULY 29, 1910.

979,757.

Patented Dec. 27, 1910.

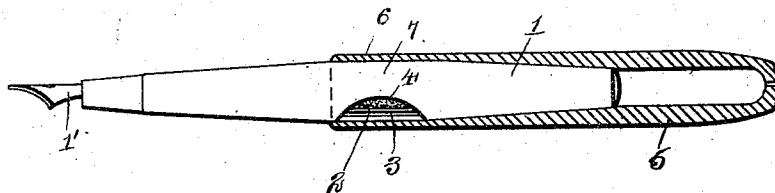


Fig. 1.

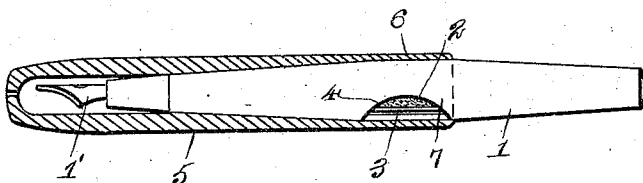


Fig. 2.

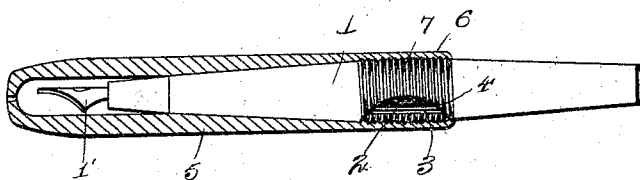


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

JOEL L. GOLDSMITH, OF CHICAGO, ILLINOIS.

FOUNTAIN-PEN.

979,757.

Specification of Letters Patent.

Patented Dec. 27, 1910.

Application filed July 29, 1910. Serial No. 574,522.

To all whom it may concern:

Be it known that I, JOEL L. GOLDSMITH, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Fountain-Pens, of which the following is a specification.

My invention relates to fountain pens and more specifically to that class thereof wherein the ink reservoir of the pen is a collapsible ink proof bag, which bag, preparatory to the process of filling the pen, may be collapsed by inserting the end of the finger through an aperture provided in the surrounding body of the pen.

The object of my invention is to so improve the construction of fountain pens of the character mentioned as to adapt the same to better serve the purpose for which they are designed and also to add to the appearance and design of the pen.

Other objects will appear hereinafter.

With these objects in view my invention consists in improvements in a fountain pen characterized as above mentioned and in certain details of construction and arrangement of parts all as will be hereinafter fully described and more particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a side elevation of a fountain pen, the cap thereof being shown in section and arranged to expose the pen point, embodying my invention, Fig. 2 is a similar view with the cap arranged to cover the pen point, and Fig. 3 is a view similar to that shown in Fig. 2 of a different form of my invention.

Referring now to the drawing 1 indicates the tubular body of an ordinary fountain pen at one extremity of which is provided the pen point 1'. Within the body 1 is provided the collapsible normally distended bag 2 which serves in the capacity of the ink reservoir, one end of said bag being in communication with the pen point. Upon one side of said bag 2 is secured a rigid longitudinally extending bar 3 whereby, by inwardly pressing the latter, said bag may be collapsed for filling in the manner as is well known. Provided centrally in the lateral wall of the body 1 is an opening 4 through which the finger may be inserted to engage-

ment with the bar 3 to effect the depression thereof as above mentioned.

The construction thus far described is old and well known, no claim being here made thereto, the construction herein claimed as novel being set forth in the following. In conjunction with the pen proper just described is employed a cap 5 the primary purpose of which is to serve to cover or protect the pen point when the pen is not in use. When serving in this capacity the open or mouth end of the cap engages over the adjacent or front end portion of the body 1 upon which it is frictionally held. When the pen is in use the cap is arranged upon the opposite end of the body 1, as shown in Fig. 1, the same being held thereon also by friction. As will be observed, said cap is of such length that, when arranged as stated upon either end of the pen body, the mouth end 6 thereof projects over and closes the finger opening 4, so that accidental depression of the bar 3 and consequent discharge of ink from the reservoir is prevented. In order, however, to permit of this arrangement of the cap upon either end of the pen body as mentioned, the opposite ends of the latter are identically formed, the same, in order to limit inward movement thereof into the cap, and to afford means for positive frictional engagement of said cap with said body, being slightly but identically tapered; the central portion 7 of said body, or that portion thereof in which is provided the finger opening 4, being cylindrically formed. The inner surface of the mouth portion of the cap is of a form corresponding with that of either end of the body.

If a more positive locking of the cap upon the pen body than that afforded because of the tapering exterior formation of the ends of the latter and the corresponding interior formation of the mouth end of the cap is desired, the central portion 7 of the body may be screw threaded, as indicated in Fig. 3, and the corresponding portion of the cap internally screw threaded for cooperation therewith.

By the construction then, as set forth, it will be seen that in either of its positions upon the body of the pen, the cap will serve to close the finger opening therein, thereby adding to the neatness in appearance of the pen and serving also to improve its construction, since with this arrangement accidental disengagement of ink therefrom because of

accidental depression of the bar 3 is prevented.

While I have shown what I deem to be the preferable form of my fountain pen I do not wish to be limited thereto as there might be various changes made in the details of construction and arrangement of parts described without departing from the spirit of the invention comprehended within the scope of the appended claims.

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

1. The combination in a fountain pen of a pen body having a finger opening in its lateral wall, a cap for said body adapted for arrangement upon either end thereof, said cap being adapted when arranged upon either end of said body to cover said finger opening, substantially as described.

2. The combination in a fountain pen of a pen body having a finger opening in its lateral wall substantially midway its ends, a cap for said body adapted for arrangement upon either end thereof, said cap being adapted when arranged upon either end of said body to cover said finger opening, substantially as described.

3. The combination in a fountain pen of a pen body having a finger opening in its lateral wall substantially midway its ends, a cap for said body adapted for arrangement upon either end thereof, the exterior of the respective ends of said body and the interior of said cap being correspondingly tapered, said cap being adapted when arranged upon either end of said body to cover said finger opening, substantially as described.

4. The combination in a fountain pen of a pen body having a finger opening in its lateral wall substantially midway its ends, the respective ends of said body being of identical conformation, a cap for said body adapted for arrangement upon either end thereof, the exterior ends of the respective ends of said body and the interior of said cap being of identical conformation, said cap being adapted when arranged upon either end of said pen body to cover said finger opening, substantially as described.

5. The combination in a fountain pen of

a pen body having a finger opening in its lateral wall substantially midway its ends, the exterior surface of said body bearing said opening being cylindrically formed, the respective ends of said body at opposite sides of said cylindrical portion being identically tapered, a cap for said body adapted for arrangement upon either end thereof, the interior surface of said cap being of a conformation identical with that of the exterior conformation of either of the ends of said body, said cap being adapted when arranged upon either end of said body to extend over and to cover the finger opening therein, substantially as described.

6. The combination in a fountain pen of a pen body having a finger opening in its lateral wall substantially midway its ends, a cap for said body adapted for arrangement upon either end thereof, said cap being adapted when arranged upon either end of said body to extend over and to cover the finger opening therein, and a threaded connection between said cap and said body, substantially as described.

7. The combination in a fountain pen of a pen body having a finger opening in its lateral wall substantially midway its ends, the portion of said body bearing said opening being of cylindrical form and exteriorly threaded, the respective ends of said body at opposite sides of said cylindrical portion being identically tapered, a cap for said body adapted for arrangement upon either end thereof, the interior surface of said cap being of a conformation identical with the exterior conformation of either of the ends of said body, said cap being adapted when arranged upon either end of said body to extend over and to cover the finger opening therein, the mouth end portion of said cap being internally threaded for engagement with the threaded portion of said body, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOEL L. GOLDSMITH.

Witnesses:

HELEN F. LILLIS,
JOSHUA R. H. POTTS.