O. MITCHELL.

FOUNTAIN PEN CAP AND CLIP.

APPLICATION FILED APR. 19, 1918.

1,283,860. Patented Nov. 5, 1918.

Fig. 1.

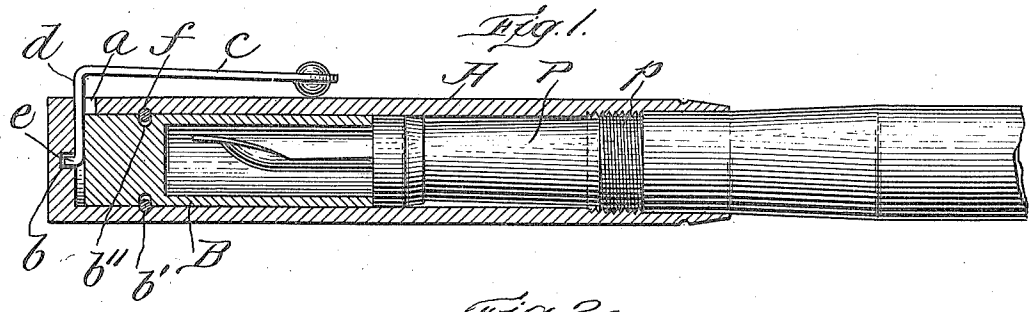


Fig. 2.

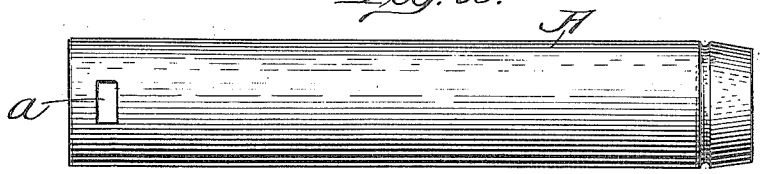


Fig. 3.

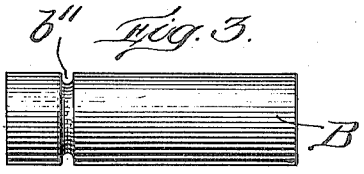


Fig. 4.

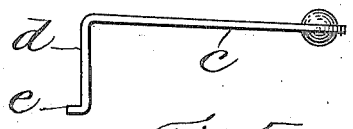
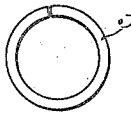


Fig. 5.



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UNITED STATES PATENT OFFICE.

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FOUNTAIN-PEN CAP AND CLIP.

1,283,860. Specification of Letters Patent. Patented Nov. 5, 1918.

Application filed April 19, 1918. Serial No. 229,480.

To all whom it may concern:

Be it known that I, OLIVER MITCHELL, a citizen of the United States, residing at Brookline, in the county of Suffolk and States of Massachusetts, have invented certain new and useful Improvements in Fountain-Pen Caps and Clips, of which the following is a specification.

My invention is a combined clip and cap for a fountain pen and relates more especially to that variety of cap made up of an outer and an inner, or ink-retaining cap, which inner cap, when the cap is in use, abuts against the open end of the holder or hollow handle of the pen.

My object is to produce a device, efficient for the purpose of attaching the fountain pen to the clothing of the user, when the fountain pen is not in actual use, which shall be made up of few parts, organized together securely yet without the necessity of expensive working of the metal or hard rubber parts of which the device is made up.

The device is made up of three parts, namely, a flexible metal clip, an outer cap and an inner cap, the outer cap being adapted, by means of screw threads on the barrel of the fountain pen and within the open end of the cap, to engage the barrel; the inner cap being adapted to fit within and engage the outer cap and the flexible metal clip being organized with the other parts as described and illustrated herein.

In the drawing:

Figure 1 is a longitudinal central section of my combined cap and clip, in place upon the pen point end of a fountain pen;

Fig. 2 is an elevation of the cap, at an angle 90° from that of Fig. 1;

Fig. 3 is an elevation of the inner cap;

Fig. 4 is a perspective view of the metal clip;

Fig. 5 is a view of the split ring.

My invention, in its preferred form, includes a clip member, C, having an offset arm, *d*, and, at the free end of the arm, *d*, an offset toe, *e*. The outer cap A on one side is pierced by an aperture, *a*, which opens into the interior of the cap at the inner face of the closed end of the outer cap. At a point upon the inner face of the closed end of the cap, in line with the aperture, *a*, is a recess, *b*, adapted to receive the toe, *e*, of the clip, when the parts are organized together. The arm, *d*, is passed through the aperture, *a*, and the toe, *e*, is inserted in the recess, *b*, the clip, C, lying longitudinally on the outer surface of the cap with its free end toward the open end of the cap. The inner cap, B, is forced into the outer cap until it abuts against the arm, *d*, and secures the toe, *e*, in the recess, *b*. In order to obviate the possibility of the clip disturbing the inner cap accidentally, prying it downward, when the parts are not locked together as when in use, as might be possible if the inner cap were merely frictionally held within the outer cap, I preferably provide a split ring connection between the two caps, the outer cap being provided with a groove *b'* on its inner surface and the inner cap being provided with a groove, *b''*, on its outer surface and a split ring, *f*, seated between the caps and engaging the grooves *b'*, *b''*, to hold the two caps securely in relative position when the cap, B, is not engaged with the fountain pen P, by the screw threads, *p*. When the clip is in use the outer cap is secured in place upon the open end of the fountain pen, so that the open end of the inner cap, B, impinges on the open end of the fountain and the inner cap is clamped between the end of the fountain and the parts at the closed end of the outer cap, securely holding the toe, *e*, in the recess *b*, and holding the clip in fixed position.

1 claim:

1. The combined cap and clip above described, made up of a metal clip upon the outside of the cap and extending longitudinally thereof and having an offset arm perpendicular thereto, carrying an offset toe at the free end of the offset arm, and a cap, made up of an outer cap member having an aperture near the closed end thereof to receive the offset arm of the clip and an inner cap member adapted to be forced into the outer member to engage the offset arm, an aperture being provided in the closed end of a cap to receive the toe.

2. The combined cap and clip above described, made up of a metal clip upon the outside of the cap and extending longitudinally thereof and having an offset arm perpendicular thereto carrying an offset toe at the free end of the offset arm to enter a recess in the closed end of the cap when the arm is passed through the aperture to the

interior of the cap; and a cap, made up of an outer cap member, having an aperture near the closed end thereof to receive the offset arm of the clip and provided with a recess in the inner face of the closed end to receive the toe, and provided also with screw threads on the inner open end thereof; an inner cap engaging the interior of the outer cap; all organized, when the inner cap is passed into the outer cap to engage the offset arm and retain the toe in the recess.

3. In combination an outer cap having an aperture near the closed end thereof and provided with a recess in the inner face of the closed end and with interior screw threads at the open end thereof; a clip upon the outside of the cap, extending longitudinally thereof and having a transversely offset arm, carrying a longitudinally extending toe offset at the free end of the arm to enter the recess in the closed end of the cap when the arm is passed through the aperture to the interior of the cap; an inner cap engaging the interior of the outer cap; a fountain having screw threads adjacent its open end to engage the screw thread within the outer cap, all organized, when the cap is screwed onto the fountain, to force the inner cap toward the closed end of the outer cap and lock the toe in the recess.

4. As in claim 1, the inner and outer caps being connected by a split ring seated in opposed grooves.

Signed at Boston, Mass., this 17th day of April, 1918.

OLIVER MITCHELL.