

C. W. BOMAN.  
FOUNTAIN PEN CLIP.  
APPLICATION FILED MAY 7, 1920.

1,358,511.

Patented Nov. 9, 1920.

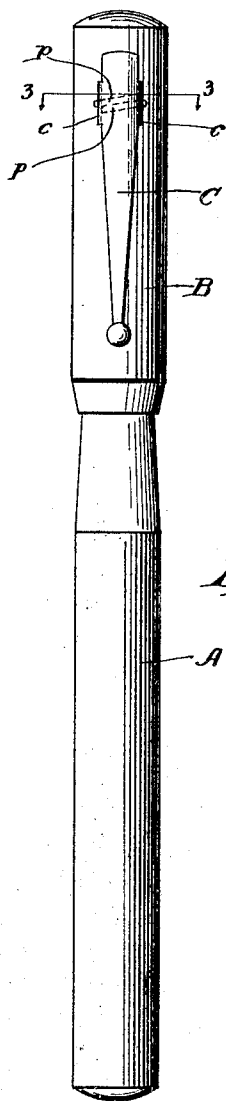


Fig. 1.

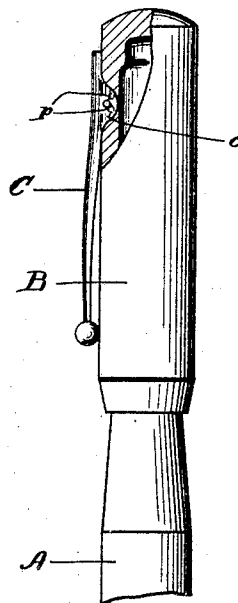


Fig. 2.

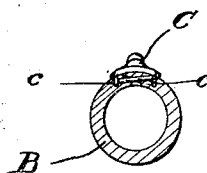


Fig. 3.

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# UNITED STATES PATENT OFFICE.

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## FOUNTAIN-PEN CLIP.

1,358,511.

Specification of Letters Patent.

Patented Nov. 9, 1920.

Application filed May 7, 1920. Serial No. 379,486.

*To all whom it may concern:*

Be it known that I, CLAES W. BOMAN, a citizen of the United States, and a resident of New York city, county and State of New York, have invented a new and useful Improvement in Fountain-Pen Clips, of which the following is a specification.

My invention relates to a retaining clip for use in connection with a fountain pen, and it has reference to the securing of the clip upon that part of the pen—usually the cap—to which it is applied.

The invention consists of certain improved means for this purpose which will first be described in connection with the accompanying drawings, forming part of this specification, and will then be more particularly pointed out in the claims.

In the drawings:—

Figure 1 is a plan view of a portion of a fountain pen surmounted by a cap embodying my invention.

Fig. 2 is a side view of the same, a fragmentary portion of the rear part of the cap in the plane of the clip being shown in longitudinal axial section, the remainder of the cap and the clip itself being in side elevation.

Fig. 3 is a cross section on the line 3—3 Fig. 1, the clip being outlined in end elevation in order not to obscure the structural features of the fastening means, the clip-retaining cross-pin next to the line of section being also outlined in elevation.

The drawing is upon a somewhat enlarged scale to enable the structural details of the device to be more plainly seen.

A is the body of the fountain pen, B the cap, and C the clip—the body and cap being made of hard rubber and the clip of sheet metal as customary.

The clip has side ears *c* turned down at right angles to the body of clip and tightly seated in longitudinal slits formed for their reception in the body of the cap, these slits as shown more particularly in Fig. 3 not being of such depth as to open into the bore of the cap so that the ears do not protrude through the body into the interior of the cap.

I come now to the means for fastening the clip to the cap in which my invention is comprised. Instead of using the single comparatively stout pivot or retaining pin extending straight across through the ears of the clip and through that portion of the

body of the cap intervening between said ears in a path at right angles to the longitudinal axis of the cap, as heretofore has been customary, I make use of the two pin arrangement shown in the drawings and which I shall now proceed to describe.

The two pins are shown at *p, p*—one for each ear *c*. They are inserted, from opposite sides of the clip, each through its own ear *c*, and thence extend in opposite directions into and crosswise of the body of the cap intervening between the two ears, not far enough, however, to reach the ear on the other side of the clip, so that each pin engages one of the clip ears only, and is embedded and inclosed in that portion of the body of the cap which it penetrates between the two ears. Separate and distinct bores are drilled in the body of the cap for reception and close holding of the pins—one for each pin. As indicated in Fig. 3, the point of entrance of each pin through the ear into the entrance end of the bore in the body of the cap is relatively high up, near the top of the ear where it joins the body of the clip. From that point however they extend with a slight downward inclination, in opposite directions crosswise of the cap in paths which lie in parallel planes intersecting the longitudinal axis of the cap, said paths, owing to their downward inclination in opposite directions, thus passing by, without actually meeting or intersecting one another, as indicated in Fig. 3. It is preferred also to incline the paths slightly from front to rear of the cap as indicated by dotted lines in Fig. 1, in order that the entrance holes in the ears may be brought into axial alinement, in order to prevent unequal strain on and possible distortion of the clip when its spring tongue is lifted. The bores—one for each pin—in which the pins are respectively inserted and tightly held, are open only at the entrance end, and at the other end they terminate within the body of the cap; and they incline downwardly from the entrance end, so that the pin, as it penetrates, is seated gradually deeper in the body of the cap below the exterior thereof as shown clearly in the cross-sectional view Fig. 3, thus providing a strong durable and safe fastening means for attaching the clip directly to the body of the cap.

Having described my improvement and

the best way known to me of carrying the same into practical effect, what I claim herein as new and desire to secure by Letters Patent is:—

- 5 1. A fountain pen cap formed with two longitudinal parallel slits in its exterior, and with two separate and distinct bores, having their entrance ends at opposite sides of the portion of the cap body included be-  
10 tween said slits, extending thence at a slight downward inclination, crosswise of the cap in opposite directions, and terminating at their other ends within the body of the cap, in combination with a clip having ears  
15 which enter and snugly fit the said slits in the cap and are provided each with an eye

which when the clip is thus positioned registers with the entrance end of one of the bores, and two pins, one for each ear, extending through the eye in its appropriate 20 ear, and thence entering, filling and fitting tightly the bore whose entrance end registers with the eye in that ear, substantially as and for the purpose hereinbefore set forth. 25

2. The combination of elements specified in claim 1 when the cross bores for receiving the holding pins are inclined slightly in a direction from front to rear of the cap.

In testimony whereof I affix my signature. 30

CLAES W. BOMAN.