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PATENT



SPECIFICATION

Application Date, June 14, 1918. No. 9834/18.

Complete Accepted, June 16, 1919.

COMPLETE SPECIFICATION.

Improvements in and relating to Fountain Pen Clips.

I, EDWARD CHARLES ROBERT MARKS, of 57 & 58, Lincoln's Inn Fields, London, W.C. 2, Consulting Engineer, do hereby declare the nature of this invention (a communication to me from abroad by The Conklin Pen Manufacturing Company, a corporation of the State of Ohio, of Toledo, Ohio, United States of America, Manufacturers) and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to clips for fountain pens of the type comprising a clamping lever, carried by, or attached to, a spring member in such manner that the spring acts as a fulcrum for the said lever, intermediate the two ends thereof and also presses one end of the lever into contact with the fountain pen cap, that part of the other end of the lever which projects beyond the fulcrum being inclined away from the cap of the fountain pen, so that on pressing such other end towards said cap, the clip will be opened.

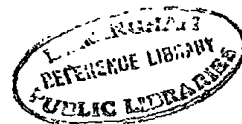
Clips of this type are known in which the spring member is attached to the fountain pen cap by means of a clamping plate having prongs which pass through small slits in the cap of the fountain pen and are made to engage with the material of the cap.

Fountain pen clips are also known in which the clamping lever is made of spring metal and given a double right angled bend or an S shaped bend, the end of the lever passing through a hole in the fountain pen cap and secured against the inner wall of such cap by means of rivets, a split collar or the inner cap which is usually used in connection with safety pens, the S shaped or right angled bend acting as a fulcrum and tending to press the clamping end of the lever into contact with the cap.

The object of this invention is to provide a simple and efficient clip of the type first hereinbefore described which is capable of being easily and quickly secured to a fountain pen cap without the use of rivets, retaining bands or the like, thus enhancing the practicability and commercial value of devices of this class.

With this object in view the invention comprises a clip of the type first hereinbefore referred to in which the spring member projects away from the clamping lever and has a rearwardly extending portion adapted to be passed through an opening in the fountain pen cap and to co-act with one side of the interior wall of said cap such rearwardly extending portion being bent at an angle near the end thereof in such manner that the free end contacts with the opposite side of the said interior wall.

[Price 6d.]



The invention is fully described in the following specification and while, in its broader aspect, it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a fountain-pen embodying my invention, with the cap and clip in central longitudinal section and with the inner cap frictionally held within the outer cap. Fig. 2 is a similar view, with the pen barrel removed and with the inner cap threaded into the outer cap. Fig. 3 is a perspective view in inverted position of the clip member embodying my invention, and Fig. 4 is a fragmentary sectional view of a cap and clip as they appear when assembled, the inner cap being omitted.

Referring to the drawings, 1 designates the barrel of a fountain-pen and 2 the customary cap for fitting over the barrel and protecting the pen point carried thereby. The cap 2 is provided with the customary inner cap or plug member 3, which has a socket for receiving the pen point and forms a shoulder within the cap 2 against which the pen point carrying end of the barrel may seat when the cap is in position on the barrel end. This inner cap, however, does not form any part of the invention and may be omitted or used, as desired.

The clip embodying my invention comprises a lever 4 and a spring strip or finger 5, which carries the lever. The spring 5 has one end firmly secured to the inner side of the lever 4 lengthwise thereof by providing the lever for a portion of its length with edge flanges 6, which are turned under in embracing relation to the spring, as best shown in Fig. 3. The spring 5 extends from the article gripping end of the lever to near its center, or to the fulcrum point thereof, and then extends at a rearward angle from the lever, as at 7, to adapt it to project inward through an inclined opening 8 in the cap side. The spring 5, after passing through the opening 8, extends toward the closed end of the cap 2 at the outer side of the cap 3 and has its free end terminating in a laterally turned spur 9, which bears at its free end against the side of the cap 2 opposed to that through which the spring projects and retains the adjoining portion of the spring against the adjacent side of the cap 2 substantially in parallelism therewith. If an inner cap is employed the spur 9 is disposed between the closed ends of the two caps. The clamping end of the lever 4 is preferably turned laterally toward the cap 2 to form a gripping nose 10.

In assembling the parts of my invention, the lever 4 and spring 5 are first secured together in any suitable manner, as by turning the edge flanges 6 of the lever into clamping engagement with the spring, leaving the spring and lever, as shown in Fig. 3. The free end of the spring is then inserted through the opening 8 and forced rearward into the cap 2 until the angled part 7 is disposed in said opening with its bow bearing inward against the forward inclined end of the opening 8, the cap lever and spring then bearing the relation to each other substantially as shown in the drawings. The cap 3, if employed, is then forced into the socket of the cap 2 at a side of the major portion of the spring 5 disposed therein and in contact at its inner end with the spur 9 of the spring. The coaction of the end of the cap 3 with the spring spur 9 serves to draw the spring to its proper position when the cap 3 is forced into the cap 2, and positively prevents a withdrawal of the spring from the outer cap until the inner cap has been removed. A further advantage of this construction is that the longitudinally extending portion of the spring 5 within the cap 2 bears laterally against the cap 3 when inserted therein and serves to frictionally retain the two caps in assembled relation.

It is evident that I have provided a simple and efficient means for carrying the lever 4 and attaching it in a yielding manner to a pen cap and that such means is capable of being easily and quickly attached to a pen cap without the use of rivets or the like. It is also evident that the thrust of the spring angle 7 against the forward inclined side of the cap opening 8 both resists a withdrawal of the spring from said opening and resists an inward movement of the spring when a releasing pressure is exerted on the rear end of the lever 4.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A fountain pen clip of the type first hereinbefore referred to in which
5 the spring member projects away from the clamping lever and has a rearwardly extending portion adapted to be passed through an opening in the fountain pen cap and to co-act with one side of the interior wall of said cap, such rearwardly extending portion being bent at an angle near the end thereof in such manner that the free end contacts with the opposite side of the interior wall.
- 10 2. A fountain pen clip as claimed in Claim 1, wherein the angled end of said rearwardly extending portion is adapted to abut against the end wall of the cap.
3. A fountain pen clip as claimed in Claim 1 or 2, wherein the clip lever has side flanges adjacent its clamping end, which are bent around the forward part of the spring member to secure the same to the lever.
- 15 4. A fountain pen clip as claimed in any of the preceding claims, wherein the spring member, in the part adjacent to, and where it projects from, the clip lever is formed with a curved portion which is adapted to co-act with the inclined wall of an opening in the fountain pen cap.
5. The combination with a fountain pen clip as claimed in any of the pre-
20 ceding claims, of a fountain pen cap having an opening in the side wall thereof, the spring member passing through said opening and being braced and held in position by engagement with the interior wall of the cap, while the forward end of the clip lever is normally in clamping engagement with the exterior wall of the cap and the rear end of said lever is normally held by the spring
25 member away from said wall.
6. The fountain pen clip, and the combined clip and cap, substantially as described with reference to the accompanying drawings.

Dated this 14th day of June, 1918.

MARKS & CLERK.

[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1.

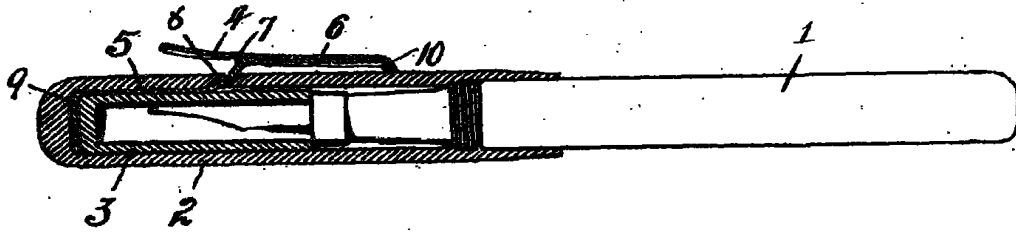


Fig. 2.

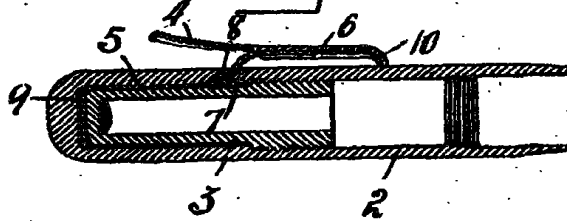


Fig. 3.

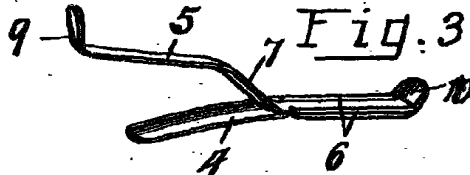


Fig. 4.

