

F. H. MOONEY.
FOUNTAIN PEN CLIP.
APPLICATION FILED MAY 7, 1917.

1,267,575.

Patented May 28, 1918.

Fig. 1.

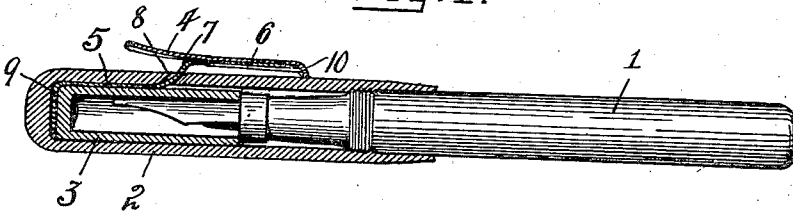


Fig. 2.

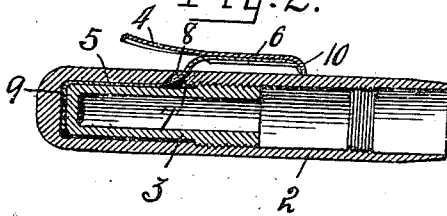


Fig. 3.

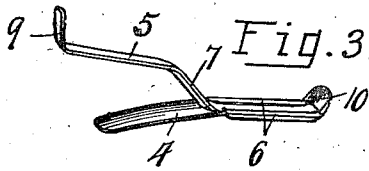
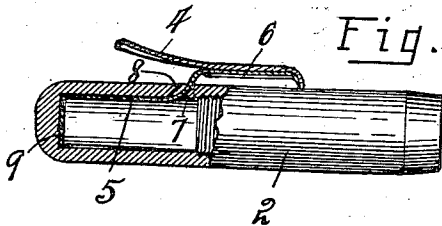


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FOUNTAIN-PEN CLIP.

1,267,575.

Specification of Letters Patent.

Patented May 28, 1918.

Application filed May 7, 1917. Serial No. 167,073.

To all whom it may concern:

Be it known that I, FRANK H. MOONEY, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Fountain-Pen Clip; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates to fountain pens, and particularly to a clip or retainer for such pens and to improved means for securing it to a fountain pen cap.

The object of my invention is the provision of a simple and efficient clip of the class 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.

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

2
 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
 5 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 man-
 10 ner 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 in-
 15 clined 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.

20 I wish it understood that my invention is not limited to any specific construction, arrangement or form of the parts, as it is capable of numerous modifications without departing from the spirit of the claims.

25 Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a fountain pen cap having an opening in a side thereof, of
 30 a clip lever, a spring carrying said lever and projecting therefrom intermediate its ends and through said opening into the interior of the cap in holding engagement therewith.

35 2. The combination with a fountain pen cap having an opening in a side thereof, of a clip lever disposed at the outer side of said cap with one end in clamping coaction therewith, a spring finger carrying said le-
 40 ver and projecting at an angle therefrom intermediate its ends and through said opening and having a part projecting rearwardly in the cap at one side thereof and having its free end angled and in contact
 45 with the opposite side of the cap.

3. The combination with a fountain pen cap having an opening in a side thereof in spaced relation to its ends, of a clip

lever disposed at one side of said cap longi-
 tudinally thereof with one end in clamping 50
 engagement therewith, a spring strip carry-
 ing said lever and projecting at an angle therefrom intermediate its ends and through
 said opening with its free end extending
 longitudinally of the cap interiorly there- 55
 of and along one side to adjacent its rear
 end and terminating in a laterally project-
 ing spur in engagement at its outer end
 with the cap side.

4. In a fountain pen, the combination of 60
 a cap having an opening in a side there-
 of, a lever extending longitudinally of said
 cap and having one end in clamping coac-
 tion therewith and its other end normally
 laterally spaced from the cap, said lever 65
 having opposite side flanges adjacent to its
 clamping end, a spring strip clamped to
 said lever lengthwise thereof by said side
 flanges and extending laterally from the
 lever intermediate its ends and through the 70
 cap opening and thence lengthwise of the
 cap and braced thereby against lateral
 movements.

5. In a fountain pen, the combination of 75
 a cap having an opening in a side thereof
 in spaced relation to its ends, said opening
 having its forward wall inclined longitudi-
 nally of the cap, a clip lever extending
 longitudinally of said cap disposed at one 80
 side of said cap longitudinally thereof, a
 spring strip having one end portion carry-
 ing said lever and projecting laterally there-
 from intermediate its ends through said
 opening and thence toward the rear end of
 the cap along the side thereof in which the 85
 opening is provided and having its free end
 terminating in a transversely projecting
 spur in bracing contact with the opposite
 side of the cap to that in which the opening
 is provided, the projecting portion of said 90
 spring which projects through said open-
 ing being curved and bearing against the
 inclined side of the opening.

In testimony whereof, I have hereunto
 signed my name to this specification.

FRANK H. MOONEY.