W. T. FITZPATRICK.

CAP CLIP FOR FOUNTAIN PENS.

APPLICATION FILED JULY 22, 1918.

1,310,235. Patented July 15, 1919.

Fig. 2.

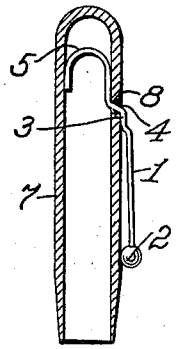


Fig. 3.

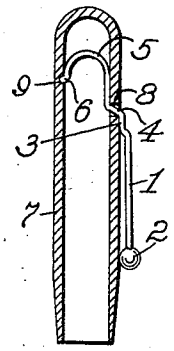
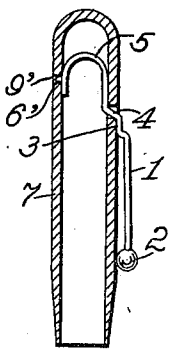


Fig. 4.



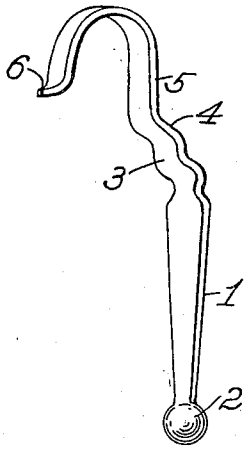


Fig. 1.

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CAP-CLIP FOR FOUNTAIN-PENS.

1,310,235. Specification of Letters Patent. Patented July 15, 1919.

Application filed July 22, 1918. Serial No. 245,974.

To all whom it may concern:

Be it known that I, WILLIAM T. FITZPATRICK, a citizen of the United States, residing at Waterloo, in the county of Blackhawk and State of Iowa, have invented certain new and useful Improvements in Cap-Clips for Fountain-Pens, of which the following is a specification.

My invention relates to improvements in cap-clips for fountain pens, and the object of my improvement is to supply a single-piece clip attachment for the removable cover-cap of a fountain pen barrel, with means for securing it fixedly in said cap.

This object I have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which Figure 1 is an enlarged perspective view of my improved clip attachment for a fountain pen cap, as detached from said cap; Figs. 2, 3 and 4 are like central longitudinal sections of a fountain pen cap, having my improved clip attached thereto, showing modifications in the engaging-means therefor.

Similar numerals of reference denote corresponding parts throughout the several views.

It is my design to supply for a fountain pen cap or tubular cover 7 a single-piece clip attachment 1, which is self-attachable to said cap or to engaging-means in said cap, by dispensing with other or different fastening-means or parts, such as a rivet or other extraneous securing-body, and thus I simplify the construction, save cost of labor, and increase the facility of assembling the clip to the cap, so increasing the output in a given time.

With the above ends in view, I construct the clip-bar or attachment 1 of a single piece of resilient metal, one end of the bar being preferably supplied with a ball or knob 2, though this feature may be omitted. The cap 7 is a tubular body, closed at one end, open at the other to receive fittingly within its hollow part the closed end of the barrel of a fountain pen (not shown) as is the usual practice, or the pen end when it is desired to use the cap to inclose and protect the pen.

I provide in one side of said cap 7 a rectangular slot 8. The clip 1 is straight for a distance from its knob 2, and then is bent medially toward the cap 7, the straight part 1 then being positioned approximately parallel to and longitudinal with relation to the cap, said bend forming an offset part 3 which engages the exterior wall of the cap just below said slot 8.

The clip is again bent obliquely at 4 and this oblique part passed through said slot 8 being bent once more to provide a portion parallel with the part 1 and engaging the inner wall of the cap just above said slot, the clip then being bent into a curved terminal hook 5, whose end is parallel to the part 1, and resiliently contacting with the opposite inner wall of said cap, as shown in said Fig. 2. In this, the simplest form of the device, the resilient engagement of the hook terminal 5 alone with the cap, serves to hold it firmly within the cap, to lock the medial part 4 in said slot 8, with the shoulders or offset parts of the clip engaged with opposite inner and outer walls of the cap above and below said slot. This method of securing the clip is effectual, but I have shown modifications in Figs. 3 and 4, wherein additional engaging-means are supplied for the clip.

In the modification illustrated in said Fig. 3, the form of clip shown in said Fig. 1 is employed, being the same as above described, except the hook 5 has its tip or extremity bent outwardly and pointed at 6 to be received into an indentation 9 provided in the inner wall of the cap nearly opposite its slot 8. The point 6 thus engages said indentation, and securely holds the hook from lateral movements, lending additional stability to the clip, since the tension of the elastic hook 5 is increased when the clip member 1 is spread out in clasping a pocket, thus retaining the clip still more firmly in place.

In Fig. 4, a small drilled orifice 9′ is provided at about the same location in the cap 7 as the indentation 9, and is engaged by a small lateral point or stud 6′ on the hook 5. The form here shown is the same in principle as that shown in Fig. 6. Since the hooked part 5 extends well upwardly toward the closed end of the cap, sufficient clearance is provided within the hollow of the cap for the fountain pen point or end.

No rivet or separate fastening body is needed to secure said clip to said cap, and the clip is assembled with much facility, saving time, and labor cost.

The clip may be otherwise shaped to still obtain the same results, and the engaging-means thereon or in the cap varied without departing from my invention.

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

1. The combination with the tubular cap of a fountain pen or the like having a lateral orifice, of a single piece J-shaped elastic clip having a member extending exteriorly longitudinally of the cap, the middle part of the clip being passed through said orifice, and the hooked opposite member of the clip within the hollow of the cap engaging the inner wall of the cap elastically to lock the clip in said orifice.

2. The combination with the tubular cap of a fountain pen or the like having a lateral orifice, of a single piece clip having a member extended along and spaced from the outer wall of the cap, the middle part of the clip being bent to supply an offset part engaging the outer wall of the cap, the clip being again bent into a hook and passed through said orifice to traverse the hollow of the cap and engage its hook with opposite wall to prevent relative movements thereof relative to the cap.

3. The combination with the tubular cap of a fountain pen or the like, said cap having a lateral orifice, of a single piece clip having a straight member extending along and spaced from the outer wall of the cap, the middle part of the clip being reversely offset to pass through said orifice to have its offset parts engage both the outer and inner walls of the cap adjacent to said orifice, the clip then being carried across the hollow of the cap to terminally engage the inner wall of the latter to prevent relative movements between said clip and said cap.

4. The combination with the tubular cap of a fountain pen or the like having a lateral orifice, of a clip one part of which is positioned longitudinally along the outer wall of the cap, the clip being bent and passed through said orifice, and then within the hollow of the cap bent reversely to form a resilient engaging terminal which engages the opposite inner wall of the cap.

5. The combination with the tubular cap of a fountain pen or the like having a lateral rectangular orifice, of a clip-bar of rectangular section bent medially and passed through the orifice to fit same, the outer member of said clip extending along the outer wall of the cap, said cap having engaging-means in its inner wall, and the extremity of said clip being formed to engage said engaging-means.

6. The combination with the tubular cap of a fountain pen or the like, said cap having a lateral orifice, of a clip-bar bent medially and passed through the orifice, the outer member of the clip extending along the outer wall of the cap, said cap having another orifice in its opposite wall, the inner member of said clip being bent to form an elastic member, and provided with engaging-means adapted to enter and engage the said orifice to secure the clip against lateral movements or displacement from said cap.

7. The combination with the tubular cap of a fountain pen or the like having a lateral slot, of a single piece resilient clip-bar passed through said slot and bent within the cap into an inverted U-shape, the latter engaging the inner wall of the cap to resiliently lock the clip in said cap and its said slot against relative displacements.

In testimony whereof I affix my signature.

WILLIAM T. FITZPATRICK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D C."