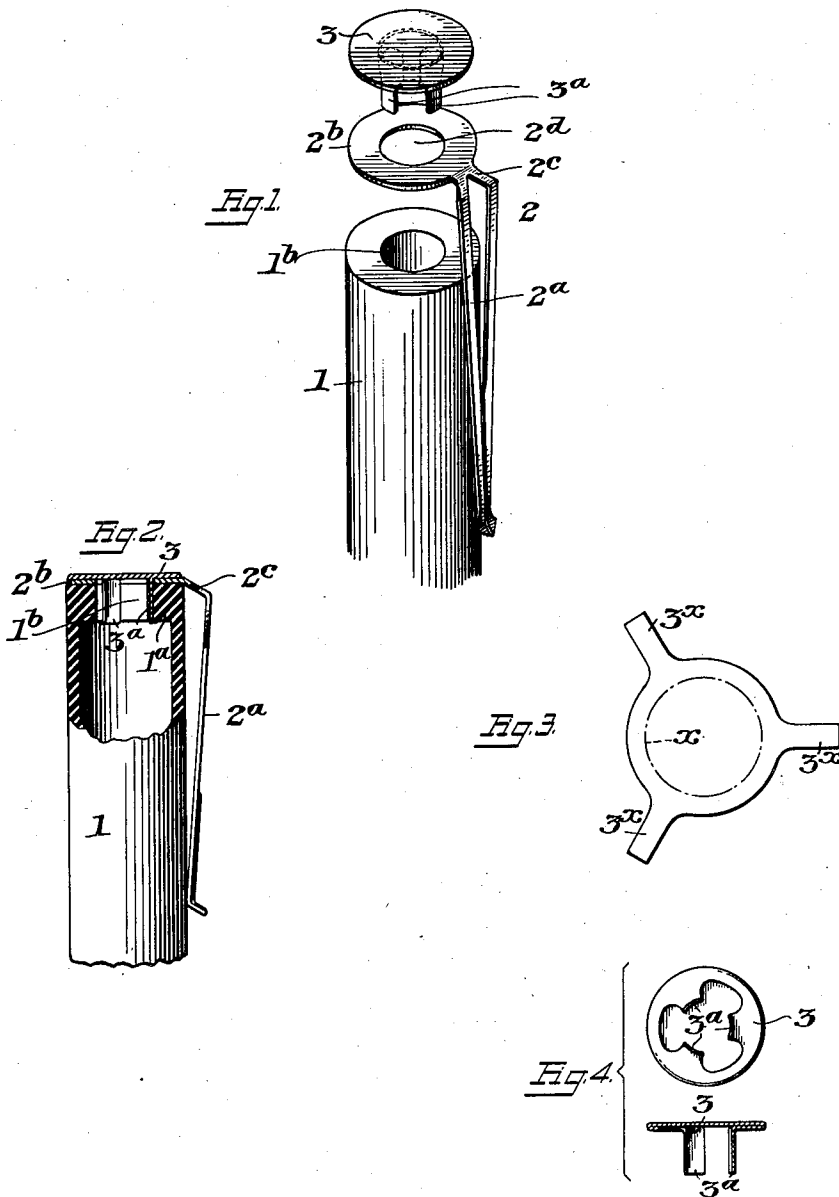


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PEN AND PENCIL CLIP
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PEN AND PENCIL CLIP

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6 Claims. (Cl. 24—11)

My invention relates to fountain pens, and comprises an improved form of retaining clip usually carried by the cap of a fountain pen and designed to facilitate its retention in the pocket of the user.

One object of my invention is to provide a clip that will be retained at the end of the cap of a fountain pen by the engagement of securing means with a portion of such clip overlying the cap.

A further object of my invention is to provide clip securing means arranged to pass through an apertured flange of the clip overlying the end in the cap; such securing means passing through an opening in the cap and being retained in fixed position within the cap whereby such clip will be firmly held in place.

These and other features of my invention are more fully described hereinafter; reference being had to the accompanying drawing, in which:

Figure 1 is a perspective view of my improved clip and retaining means therefor for association with the cap of a fountain pen; the parts being shown in separated condition prior to final assembly.

Fig. 2 is a sectional view of the cap of fountain pen showing the manner in which my improved clip is retained in place.

Fig. 3 is a plan view of a blank from which retaining means for securing the clip in place, within the scope of my invention, may be made, and

Fig. 4 is an inverted plan view of a retaining member formed from a blank such as illustrated in Fig. 3.

The object of my invention is to provide a simple and efficient form of clip for fountain pen caps, and simple and efficient means for retaining such clip in position.

In the drawing, 1 represents the cap member of a fountain pen which receives the clip; 2 indicates the clip proper, which is disposed in an angular position with respect to the cap, as clearly illustrated in Fig. 2. This clip may be of any suitable shape, and in the present instance I have shown a clip having a leg 2^a of bifurcated shape or design, the legs of which are joined to a substantially circular flange 2^b overlying the cap, by angular shoulders 2^c. The depending portion of the clip may be of any character.

The circular or other shaped flange 2^b of the clip overlies the end wall 1^a of the cap 1, and such flange is centrally apertured at 2^d in exact registry with an aperture 1^b formed in the end

wall 1^a of the cap; the diameter of such circular flange being a shade less than the diameter of such cap. The flange portion 2^b is placed over the end of the apertured cap and retaining means in the form of a circular plate 3 with securing means is applied thereto; such circular plate 3 having depending portions or prongs 3^a integral therewith, exactly fitting the circular aperture 2^d in the flange 2^b of the clip and the bore 1^b in the end wall 1^a of the cap member.

After these parts are assembled, as indicated in Fig. 2, the lower portions of the prongs are upset by a suitable tool inserted in the cap member and pressed down across the inner edge of the wall 1^a at the junction of the bore 1^b with the same; this upsetting or peaning action having the effect of drawing the retaining member 3 in close engagement with the circular flange 2^b of the clip and holding the two in tight engagement with the end wall of the cap member, as clearly illustrated in Fig. 2.

The retaining member 3 may be cut from a solid piece of metal and provided with prongs of suitable character, substantially as illustrated in Fig. 1, or it may be shaped by a spinning operation from a blank such as illustrated in Fig. 3, which blank is provided with extensions 3^x which are brought inwardly over the same to form the retaining prongs 3^a while the metal of the blank is turned over to a final diameter indicated by the dotted line *x*, which represents the finished external diameter of the retaining member 3.

It is to be understood, of course, that I may employ any form of metal to serve as the retaining member, non-corrodible metal of various types, as well as precious and semi-precious metals. The clip will be of suitable spring metal having a relatively high elastic limit, and such metal is preferably of a non-corrodible type.

The surface of the retaining member 3 may be substantially plain as illustrated, or it may be embossed or embellished in any way. Additionally, it serves to receive, by engraving or other means, indicia representing the name of the owner, a monogram, or insignia of any type.

It will be understood, of course, that I do not wish to be limited to a construction involving externally circular parts, since the flange carried by the clip may have any desired contour and one that is complementary to the contour of the cap, which may have a polygonal or other shaped cross sectional contour. In like manner the disk portion of the retaining member 3 overlying the

clip flange and securing the latter in position in the end wall of the cap member may have a similarly complemental contour.

5 While I have described my improved clip structure as particularly available for association with fountain pens, it will be understood that it may be associated with many forms of pencils, without departing from my invention.

10 Various modifications may be made in connection with this structure without departing from the spirit and scope of my invention as set forth in the appended claims.

I claim:

15 1. The combination of a fountain pen cap comprising a relatively thin-walled shell with a thickened end wall having an enlarged central aperture providing an internal shoulder, a clip member having a substantially circular centrally apertured flange of substantially the same area as and fitting over said thickened end wall, a spring arm integral with said flange; the aperture in said flange being of the same diameter as the aperture in the thickened end wall of the cap, means for securing said clip member in place comprising a disk overlying the flange of said clip member and having substantially the same area, and a plurality of integral prongs carried by said disk in spaced relation and passing through and substantially fitting the apertures of said flange and the thickened end wall of the cap, respectively; said disk being retained in place to hold the clip member in fixed position against the end of the cap by bending the ends of said prongs outwardly against the inner shoulder of said thickened end wall.

20 2. The combination of a fountain pen cap comprising a relatively thin-walled substantially cylindrical shell having a thickened end wall providing an internal shoulder; said end wall having a central circular aperture, a clip member comprising a spring arm terminating in a circularly apertured flange fitting over the end wall of said cap with its aperture registering with the aperture thereof, a disk overlying said apertured flange, and integral prongs carried by said disk; said prongs passing through said flange and the apertured end wall of the cap and being upset within said cap against the internal shoulder formed by the thickened end wall of the same to retain the flange of said clip member in fixed position with respect to said cap.

25 3. The combination of a fountain pen cap having a thickened end wall with a central aperture, a clip member comprising a depending spring leg and a flange integral therewith; said flange being apertured to register with the aperture of

said thickened end wall and overlying the same, and a disk-like rivet member overlying the flange of the clip member and having a plurality of integral prongs passing through the apertures of said clip flange and end wall; said prongs having an external dimension exactly fitting the apertures of said flange and end wall and having their inner ends outwardly bent against the shoulder of the thickened wall to hold the clip member in fixed position with respect to said cap.

30 4. The combination of a fountain pen cap comprising a substantially cylindrical hollow body having an open end and a partially closed end; said partially closed end having a wall thicker than the cylindrical wall and having a circular opening therein, a clip comprising a spring leg having a circular flange at one end thereof; said flange having an outer circumference substantially equal to that of said cap and a central opening registering with the circular opening in the partially closed end of said cylindrical cap member, a disk overlying said flange and the end of the fountain pen cap and having integral prongs passing through the flange on said clip and the opening in the partially closed end of said cap member for fixedly positioning said clip with relation to said cap; said prongs having an external dimension equal to and being curved to exactly fit the openings in said flange and end wall.

35 5. The combination of a fountain pen cap comprising a relatively thin-walled cylindrical shell having a relatively thicker end wall; said end wall being centrally apertured and providing an internal shoulder, a clip comprising a depending leg and a flange angularly disposed with respect to the same and integral therewith; said flange overlying the end of the cap and having a central aperture registering with the central aperture of said thickened end wall, and retaining means for holding said flange in position against the end wall of the cap comprising a plate overlying said flange, and a plurality of integral prongs projecting from said plate inwardly of its edge and positioned to exactly fit against the walls of the apertures in the flange and cap member; said prongs being upset against the shoulder formed by the thickened end wall to retain the clip in place.

40 6. A structure as set forth in claim 1, wherein the pronged disk-like retaining member has its marginal edge turned over upon itself and the spaced prongs are integral with said turned-over portion and inwardly disposed with respect to the margin of the disk-like member.

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