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 CLIP FOR FOUNTAIN PEN CAPS OR THE LIKE.  
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1,350,412.

Patented Aug. 24, 1920.

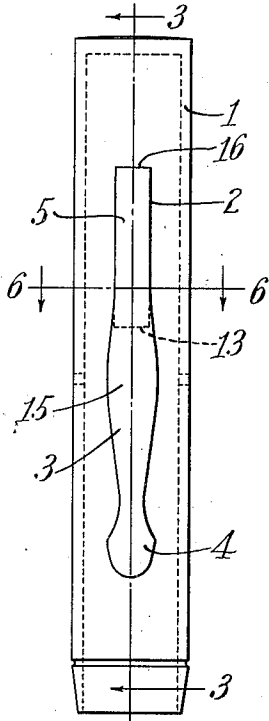


Fig. 1.

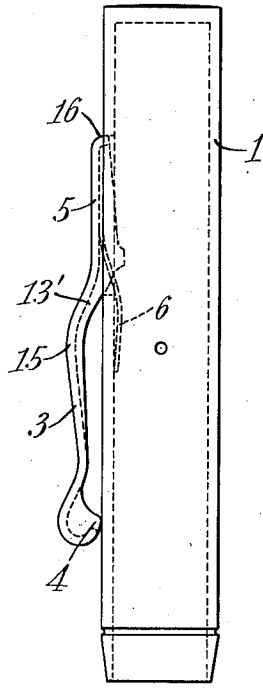


Fig. 2.

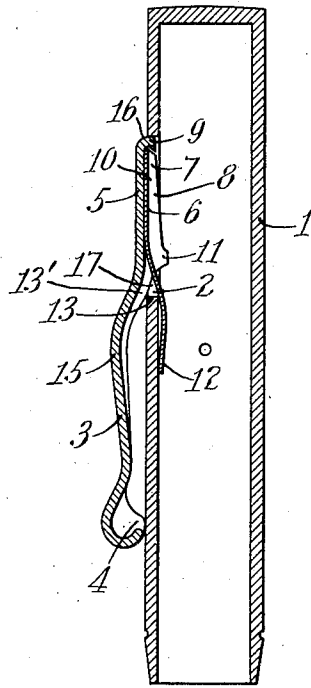


Fig. 3.

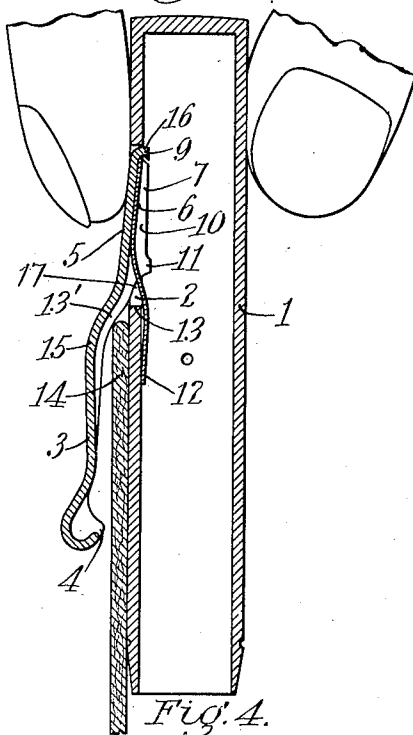


Fig. 4.

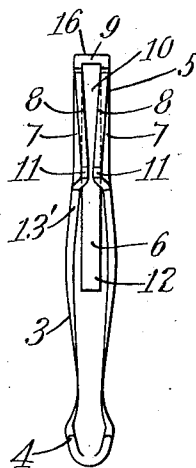


Fig. 5.

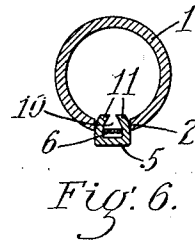


Fig. 6.

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 by their attorney,  
 Charles S. Gooding.

# UNITED STATES PATENT OFFICE.

DAVID J. LA FRANCE, OF CAMBRIDGE, AND WILLIAM P. DE WITT, OF SOMERVILLE, MASSACHUSETTS, ASSIGNORS, BY MESNE ASSIGNMENTS, TO DE WITT-LA FRANCE CO., A CORPORATION OF MASSACHUSETTS.

CLIP FOR FOUNTAIN-PEN CAPS OR THE LIKE.

1,350,412.

Specification of Letters Patent. Patented Aug. 24, 1920.

Application filed September 13, 1918. Serial No. 253,858.

*To all whom it may concern:*

Be it known that we, DAVID J. LA FRANCE and WILLIAM P. DE WITT, citizens of the United States, residing at Cambridge and Somerville, respectively, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Clips for Fountain-Pen Caps or the like, of which the following is a specification.

This invention relates to improvements in clips for fountain pen caps or the like and has for its object to provide a simple, inexpensive clip which is readily adaptable to any fountain pen cap and which may also be easily and quickly detached from said cap and applied to another without injury to the clip and without necessitating the use of rivets, fasteners or the like.

The invention consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the claims.

Referring to the drawings:

Figure 1 is an enlarged front elevation of a pen cap with a clip embodying this invention shown in connection therewith.

Fig. 2 is a side elevation of the same.

Fig. 3 is a longitudinal section taken on line 3—3 of Fig. 1, illustrating the clip in its normal position.

Fig. 4 is a section similar to Fig. 3 illustrating the cap and clip as being applied to the edge of a pocket.

Fig. 5 is a detail front elevation of the clip, and

Fig. 6 is a transverse section taken on line 6—6 of Fig. 1.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, 1 indicates a fountain pen cap of the usual well known construction, said cap having a slot 2 extending longitudinally of one side thereof, said slot being preferably rectangular in shape and extending entirely through the side of the cap.

A clip 3 preferably constructed of sheet metal has one end thereof constructed and arranged to normally engage the outer side of the cap 1 at 4. The opposite end of said clip is preferably made rectangular, as at

5, to substantially fit the slot 2 of said cap, and secured to the inner side of the rectangular portion 5 is a spring 6. Any appropriate means may be employed for securing this spring 6 to said clip, but the preferable method of accomplishing this result is to turn portions of the metal constituting the rectangular portion of said clip inwardly to form a flange 7 extending along two sides as at 8, 8 and across the end 9 thereof, thus forming, as it were, a pocket 10 to receive the end of said spring. The side portions 8, 8 of said clip, after said spring has been inserted in said pocket, are bent inwardly at 11, 11, as shown in Figs. 5 and 6, to overlap said spring and thus clamp the same within the pocket 10.

The spring 6 is substantially longer than the portion of said clip forming said pocket and is adapted to extend through the slot 2 in said cap, the extremity 12 of said spring being arranged to engage the inner portion of said cap in opposed relation to the portion 4 of said clip, which engages the exterior of the cap, and yieldingly and pivotally maintains said clip in its operative position.

To facilitate the pivotal movements of said clip the rectangular portion 5 thereof, which is substantially thickened by the flange 7, is arranged to protrude from the slot 2 slightly beyond the outer face of said cap and thus provide a finger piece for operating said clip. The portion 5 of the clip adjacent to the end 13 of said slot is slightly arched at 13' for the purpose of reinforcing said clip and the opposite edges of said arched portion rest upon said end 13 and constitute a fulcrum for the clip. Upon the depression of the rectangular portion of said clip the spring 6 will be deflected, permitting said clip to be rocked about the portion 13 of said slot as a fulcrum, thereby causing the end 4 to be moved outwardly with respect to the side of the cap a distance sufficient to permit the insertion of the edge 14 of the pocket of a coat, as illustrated in Fig. 4.

The clip 3 is bent outwardly at 15 to provide clearance for the edge of said pocket when pressure is removed from the end 5 and the end 4 of said clip is moved toward

its normal position against the cap and into engagement with the portion of the cloth of the garment forming said pocket, the pressure of the spring being sufficient to maintain said end 4 against the cloth and thus prevent the cap being accidentally dislodged from its position thereon.

During the normal pivotal movements of said clip any longitudinal movement thereof will be prevented in one direction by the end 16 of the rectangular portion 5 engaging the corresponding end of the slot 2 and any movement of said clip in the opposite direction will be prevented by the cooperating action of the spring 6 and the adjacent portion of the clip which form a V at 17 and engage the material at the end 13 of said cap. Sidewise movement or displacement of the clip relatively to the cap will be prevented owing to the fact that the side portions 8, 8 of the flange 7 are constantly in engagement with the corresponding sides of said slot 2.

As hereinbefore stated, the clip is capable of being quickly removed from one cap and applied to another without necessitating the use of rivets or fasteners of any kind, and to accomplish the removal of said clip pressure must be applied to the inner face of the rectangular portion adjacent to the end 16 thereof until said end is projected from the slot far enough to clear the end of said slot, whereupon pressure applied to the end 4 in the direction of said rectangular end will result in the withdrawal of the extremity 12 of the spring 6 from the interior of said cap.

In applying the clip to the cap after the slot 2 has been formed therein the clip is laid against the side of said cap with the extremity 12 of said spring substantially alining with the end 13 of said slot. The extremity 12 of said spring is then pressed through said slot sufficiently to clear the end 13 thereof and upon applying pressure to the clip in the direction of the end 4 thereof the rectangular portion 5 will snap into position within the slot 2 until the fulcrum point 13' of said clip engages the end 13 of said slot, in which position said clip will be maintained by the spring 6.

Having thus described our invention, what we claim and desire by Letters Patent to secure is:

1. The combination, with a cap having a slot formed in the side thereof, of a clip adapted at one end to engage the side of said cap, the opposite end of said clip constructed and arranged to substantially fit said slot, and yielding means cooperating with said cap and clip and adapted to maintain said clip in operative engagement with said cap and also adapted to normally prevent said clip from becoming detached from said cap.

2. The combination, with a cap having a slot formed in the side thereof, of a clip adapted at one end to engage the side of said cap, the opposite end of said clip constructed and arranged to substantially fit said slot, and a spring cooperating with said cap and clip and adapted to maintain said clip in operative engagement with said cap and also adapted to normally prevent said clip from becoming detached from said cap.

3. The combination, with a cap having a slot formed in the side thereof, of a clip adapted at one end to engage the side of said cap, the opposite end of said clip constructed and arranged to substantially fit said slot, and a spring secured to the inner face of the portion of said clip within said slot adapted to yieldingly engage the interior of said cap and maintain said clip in operative engagement with said cap and also cooperating with said cap and clip to normally prevent said clip from becoming detached from said cap.

4. The combination, with a cap having a slot extending longitudinally of the side thereof, of a clip adapted at one end to engage the outer side of said cap, the opposite end of said clip being arranged to substantially fit said slot, and a spring fast to said clip adapted to engage the interior of said cap and pivotally maintain said clip in operative engagement with said cap and also adapted to cooperate with said cap and clip to normally prevent said clip from becoming detached from said cap.

5. The combination, with a cap provided with a rectangular slot, of a clip formed of sheet metal adapted to engage the outer side of said cap, a rectangular portion formed on said clip adapted to substantially fit said slot and a spring secured to the inner side of said rectangular portion and constructed and arranged to engage the interior of said cap and pivotally maintain said clip in operative engagement with said cap and also adapted to cooperate with said cap and clip to normally prevent said clip from becoming detached from said cap.

6. The combination, with a cap or the like having a slot, of a clip formed of sheet metal adapted at one end to engage said cap, the opposite end of said clip being adapted to fit said slot, a spring adapted to maintain said clip in pivotal engagement with said cap and means formed from the material constituting said clip adapted to secure said spring to said clip, said spring also cooperating with said cap and clip to normally prevent said clip from becoming detached from said cap.

7. The combination, with a cap or the like having a slot, of a clip formed of sheet metal adapted at one end to engage said cap, the opposite end of said clip being adapted to fit said slot, a spring adapted to maintain

said clip in pivotal engagement with said cap and means formed upon the portion of said clip lying within said slot adapted to secure said spring to said clip, said spring also cooperating with said cap and clip to normally prevent said clip from becoming detached from said cap.

In testimony whereof we have hereunto

set our hands in presence of two subscribing witnesses.

DAVID J. LA FRANCE.  
WILLIAM P. DE WITT.

Witnesses:

FRANKLIN E. LOW,  
SYDNEY E. TAFT.