

L. D. VAN VALKENBURG.
 RETAINING CLIP FOR FOUNTAIN PENS.
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1,250,533.

Patented Dec. 18, 1917.

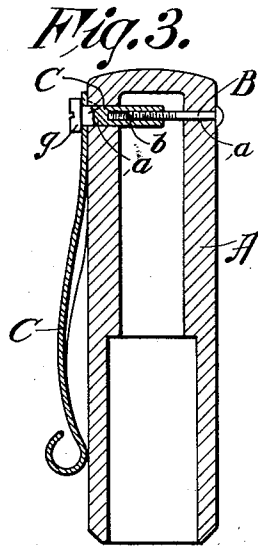
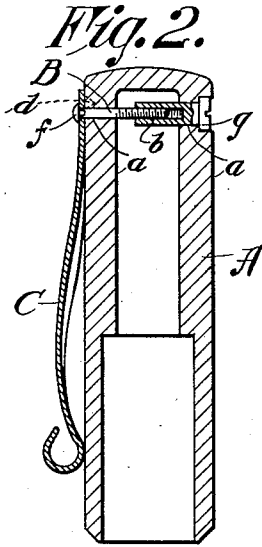
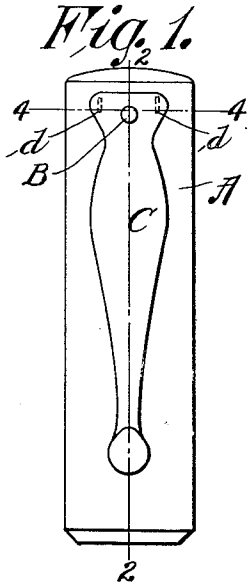


Fig. 4.

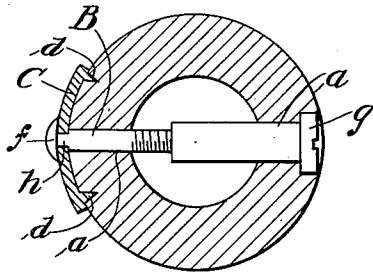


Fig. 5.

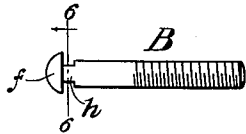
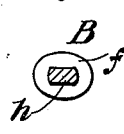


Fig. 6.



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UNITED STATES PATENT OFFICE.

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RETAINING-CLIP FOR FOUNTAIN-PENS.

1,250,533.

Specification of Letters Patent. Patented Dec. 18, 1917.

Application filed March 29, 1917. Serial No. 158,370.

To all whom it may concern:

Be it known that I, LEVI D. VAN VALKENBURG, a citizen of the United States of America, and resident of Holyoke, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Retaining-Clips for Fountain-Pens, of which the following is a full clear, and exact description.

This invention relates to improvements in retaining clips more particularly to be employed on the caps or barrels of fountain pens, and having unusual availability for employment on self filling fountain pens.

The objects of the invention are to so construct the means for the attachment of the retaining clip on the cap or barrel of the fountain pen as to provide a simple, inexpensive and efficient connecting means, one that is readily applied and which may be easily disconnected whenever desired, and one which is in no way obtrusive or unsightly when present on the pen.

And a further object is to so construct the retaining clip with reference to the single device which connects it on the fountain pen that the conjoint parts are prevented from swinging or relative revoluble movements.

The invention is described in conjunction with the accompanying drawings and is set forth in the claims.

In the drawings:—

Figure 1 is a side elevation showing the cap member of a fountain pen and a clip represented as secured on and along the side thereof.

Fig. 2 is a longitudinal vertical section as taken on line 2—2, Fig. 1.

Fig. 3 is a view similar to Fig. 2, illustrative of this invention, but showing parts included therein, in reversed relations as may manifestly be done without departure from the essentials thereof.

Fig. 4 is a cross sectional view as taken on line 4—4, Fig. 1.

Figs. 5 and 6 are respectively a side elevation of an element employed in the device and a cross sectional view as taken on line 6—6, Fig. 5.

In the drawings, A represents the cap member of a fountain pen having a transverse hole *a* therethrough, different portions of which are of different diameters as shown.

B and C represent a pair of members to be inserted through the transverse hole, one thereof having an inwardly opening screw

threaded bore *b* therein, and the other being in the form of a threaded stud or pin to engage in said bore.

C represents a retaining clip for the fountain pen, which may be made of thin metal, and the shank portion of which is cross sectionally of arc, or concavo-convex form to correspond to the rounded surface of the cap or barrel of the fountain pen and having spurs *d d* for engagement with, or penetration into, the portion of the pen on which the clip is applied.

As shown in Fig. 2, the screw threaded pin or stud is represented as the confining member for the clip, the same having a head enlargement *f* which engages and holds the clip on the pen, while in Fig. 3, the member C having the threaded bore and a flat head or enlargement *g* is the element which holds the clip in its confinement on the pen.

Preferably constructed, the device as represented in Figs. 2, 4 and 6 the screw threaded stud B has the portion thereof near its outer end of non-circular form, as represented at *h*,—such form being especially as represented, cross sectionally in Fig. 6, and as may be produced by slabbing the opposite sides of the stud, and the aperture in the clip is to be of corresponding form.

This provides that there may be no swinging or revoluble movement of the pen clip and stud, either relatively to the other,—the spurs of the clip contributing in conjunction with the other features to this advantage.

The last mentioned feature of construction is practicable in practice and assemblage, as the slabbing off at the outer end portion of the stud may be performed entirely to the outer end thereof, permitting the engagement of the clip and stud whereupon the protruding extremity of the stud may be upset to overlie the outer surface of the clip.

The parts so produced may be brought to their engagements on the pen as represented in the drawings, the spurs engaging as shown, whereupon the sleeve-like member, the head of which is slotted, may be pushed into the perforation therefor in the opposite side of the pen cap and barrel and properly turned, when brought to screw engagement with the threaded stud for firmly binding the stud in the maximum inward position thereof and for clamping the clip on the pen.

As shown, Figs. 2 and 4, the head of the

sleeve-like and internally threaded member has its disposition within a countersunk outer end of the perforation in which it is positioned whereby it forms no protuberance on the side of the pen, and by being colored, properly corresponding to the color of the pen, may be practically invisible, or at most will not be obtrusive to the eye, or in any way unsightly.

10 It will be manifest from inspection of the drawings, that these devices for the retention of the clips on the caps or barrels of fountain pens are as well applicable on fountain pen members of comparatively
15 small diameters as upon those of considerably greater diameter.

I claim:—

1. In a device of the character described, the combination with a fountain pen cap
20 having a transverse hole therethrough, of a pair of members to be inserted through the transverse hole, one thereof having an inwardly opening screw threaded bore therein and the other being in the form of a threaded
25 stud or pin to engage in said bore,—one of said members having a pen-retaining clip engaged therewith at the outer end thereof, and confined thereby on and along the side of the cap, and the other of said members
30 having a head enlargement for engaging the side of the cap, and means for the rotation of one of the members.

2. In a device of the character described, the combination with a fountain pen cap
35 having a transverse hole therethrough, of a pair of members to be inserted through the transverse hole, one thereof having an inwardly opening screw threaded bore therein and the other being in the form of a
40 threaded stud or pin to engage in said bore,—one of said members having a pen-retaining clip engaged therewith at the outer end thereof, and confined thereby on and along the side of the cap, and the other
45 of said members having a head enlargement for engaging the side of the cap, means for the rotation of one of the members, and said pen retaining clip having inwardly extending spurs for engagements with the wall of
50 the cap.

3. In a device of the character described, the combination with a fountain pen cap

having a transverse hole therethrough, of a pair of members to be inserted through the transverse hole, one thereof having an inwardly opening screw threaded bore therein
55 and the other being in the form of a threaded stud or pin to engage in said bore, a pen retaining clip, the shank portion of which is of thin metal cross sectionally of concavo
60 convex form to conform to the rounded surface of the cap and having spurs for engaging the cap, which clip is engaged with one of the members at the outer end thereof and confined thereby on the side of the cap and
65 the other of said members having a head enlargement for engaging the side of the cap, and means for the rotation thereof.

4. In a device of the character described, the combination with a fountain pen cap
70 having a small transverse hole therethrough, of a stud having a screw threaded inner end portion and a sleeve-like member having the bore thereof opening inwardly and internally screwthreaded, and provided with a
75 head, both being inserted in the said hole and having screw thread engagements, one within the other, a clip with the shank portion of which the said stud has an engagement for confining it on the side of the cap
80 through means of a head enlargement on the outer end thereof.

5. The combination with a fountain pen cap having a transverse hole therethrough, of a pen retaining clip, the shank of which
85 is provided with a non-circular aperture therein, a screw threaded stud having a portion thereof near its outer end of noncircular form to engage through the correspondingly shaped aperture of the clip and having
90 its outer end upset against the outer surface of the clip, and a sleeve-like member having the bore thereof internally screw threaded and provided at its outer end with a slotted head enlargement,—the stud and
95 sleeve-like member being inserted in the aforesaid transverse hole in the cap and having screw thread engagements one with the other.

Signed by me at Springfield, Mass., in presence of a subscribing witness.

LEVI D. VAN VALKENBURG.

Witness:

G. R. DRISCOLL.