Nov. 2, 1926. 1,605,151

J. C. WAHL

CLAMP OR CLIP FOR FOUNTAIN PENS

Filed Nov. 24, 1923

Fig. 1.

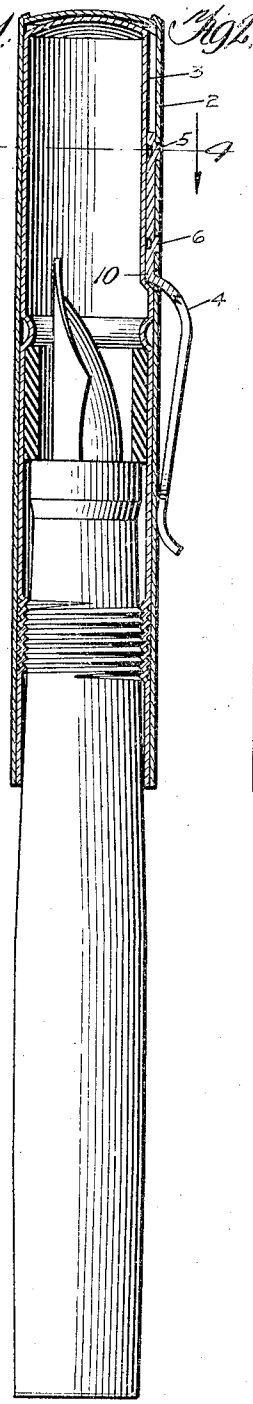


Fig. 2.

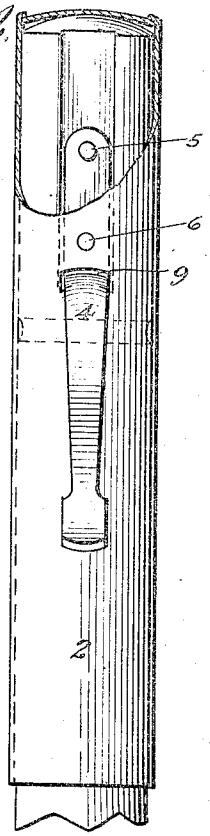


Fig. 3.

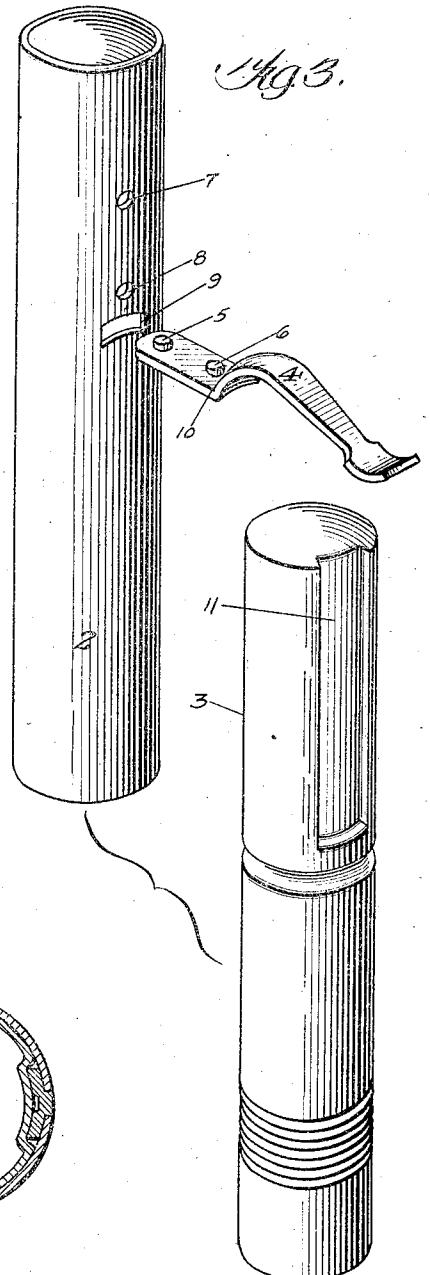
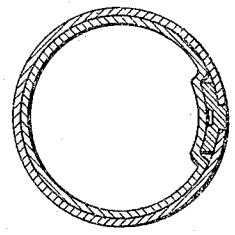


Fig. 4.



Inventor:
John C. Wahl
By Frank D. Tefft
Atty.

Patented Nov. 2, 1926. 1,605,151

UNITED STATES PATENT OFFICE.

JOHN C. WAHL, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE WAHL COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF DELAWARE.

CLAMP OR CLIP FOR FOUNTAIN PENS.

Application filed November 24, 1923. Serial No. 676,704.

My invention relates to a pocket clamp for articles such as fountain pens and mechanical pencils, and has for its object provision of a clamp, or clip, whose structure is such that it may be fixed to the implement without the use of solder or other adhesive.

In the drawings Fig. 1 illustrates my invention attached to the cap of a fountain pen,

Fig. 2 is a view partially in section and partially fragmentary of the clip attached to the fountain pen,

Fig. 3 is a disassembled perspective view of a cap of a fountain pen and the shell which is inserted in the cap to hold my improved clip in place, and the clip, and

Fig. 4 is a cross sectional view on the line 4—4 in Fig. 1.

In the drawings numeral 1 will hereafter indicate a fountain pen as a whole, numeral 2 a cap adapted to cover the nib of said fountain pen, numeral 3 an inner shell within said cap which is adapted to form an air tight seal for said nib, and numeral 4 the clip as a whole, which is the subject matter of my invention.

The clip is blanked out of brass, or other suitable material, and is curved the greater portion of its extremity, as is illustrated in the figures. In its upper extremity, which is that part to be attached to the cap of the pen, are protrusions 5 and 6 which enter apertures 7 and 8 in the wall of the pen cap 2 to prevent lateral and longitudinal movement of the clip.

An aperture 9 is punched in the cap directly below the aperture 8. Its function is to permit introduction of the shank of the clip, bearing protrusions 5 and 6, into the pen cap as far as the beginning of the curve 10. The protrusions are then introduced into the apertures on the inner side of the cap. The sealing shell 3, having a longitudinally extending indent 11 therein, whose width and depth are equal to the width and thickness of the shank of the clip, is then inserted into the cap 2. The indent in said shell is aligned with that portion of the clip which extends into said cap, thus frictionally holding the shell and clip in position and further functioning to prevent the shell 3 from rotating within the cap 2.

The result of the invention is to do away with the soldering necessary in fastening most clips to pencils and pens, and prevent the clip from moving laterally and longitudinally of the device to which it is attached, thus providing a clip of extreme simplicity, economical to manufacture, easy of application, and efficient in operation.

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

1. A device of the class described in combination, a hollow shell, an aperture in said shell for the introduction of a clamping device, protrusions on one face of that portion of the clamping device adapted to be inserted into the shell, seats in the body of the cap adapted to align with the protrusions on the clamping device, and frictional means for holding the above mentioned protrusions in the seats, thus locking the clamping device securely to the shell.

2. A device of the class described in combination, a hollow shell, an aperture in said shell for the introduction of a clamping device, protrusions on one face of that portion of the clamping device adapted to be inserted into the shell, seats in the body of the cap adapted to align with the protrusions on the clamping device, and a shell adapted to be inserted into the barrel, and to frictionally engage the inner face of that portion of the clamping device that extends into the barrel, thus fixing the said clamping device securely to the shell.

3. In a device of the class described, a hollow cap member having an aperture through the wall thereof, a clip having a shank portion for insertion through said aperture, an upstanding projection on said shank portion, said cap member being recessed to receive the said projection when the shank portion is inserted through said opening into operative position in said cap member, and a member for fixedly holding said projection in said recess.

4. In a device of the class described, a hollow cap member having an aperture through the wall thereof, a clip having a shank portion for insertion through said aperture, an upstanding projection on said shank portion, a recess in said cap member to receive the said projection when the shank portion is inserted through said opening into operative position in said cap member, and a member for fixedly holding said projection in said recess, said last mentioned member comprising a shell having a cooper-

ative groove for insertion into said cap member to clamp said shank portion between the shell and cap member.

5. In a device of the class described, a hollow cap member having an aperture through the wall thereof, a clip having a shank portion for insertion through said aperture, an upstanding projection on said shank portion, a seat in said cap member to receive the said projection when the shank portion is inserted through said opening into operative position in said cap member, and a member for fixedly holding said projection in said seat, said last mentioned member comprising a shell for insertion into said cap member to clamp said shank portion between the shell and cap member, said shell having a longitudinally extending indent to receive said shank when in operative position.

6. In a writing instrument a cap member having an aperture in the wall thereof, a clip having a shank portion to be inserted through said aperture, a plurality of upstanding projections on said shank portion, a plurality of openings in said cap member wall in alinement with said aperture to receive said projections respectively, when said shank portion is inserted through said aperture and brought to operative position, a shell having an elongated recess to receive said shank portion when the shell is forced into the cap to fixedly hold the shank portion in operative position with the projections seated in their respective openings.

In witness whereof, I have hereunto subscribed my name.

JOHN C. WAHL.