



PATENT SPECIFICATION

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PROVISIONAL SPECIFICATION.

Improvements in Pocket Clips for Fountain Pens, Pencils and the like.

We, ERIC ERNEST SAMUEL WADE, of Longmynd, Mountwood Road, Prenton, Birkenhead, in the County of Chester and CHARLESWORTH LIVSEY, of 18, Bellfield Crescent, Wallasey, in the County of Chester, both British Subjects, do hereby declare the nature of this invention to be as follows :—

This invention relates to pocket clips for fountain pens, pencils and the like and has more especial reference to those mounted at one end of the instrument, usually on the end of the cap or nib cover in the case of a fountain pen.

In the specification of co-pending Application No. 5085/47 (Serial No. 621,354) an improved pocket clip for a fountain pen or like article is described wherein the retaining ring is in line with, or in the same plane as, the arm of the clip instead of being at right angles thereto and is adapted to be received in a slot formed for the purpose in the end of the article and to be prevented from outward displacement by a member carrying an abutment engaging the rear or interior of the slotted end of the article. Further, in the specific embodiment described and illustrated in the aforementioned Application the retaining member is an eyebolt embracing a pin located in the hole through the ring and receiving a nut constituting the abutment, and the slotted end portion of the article is a separate fitting screwthreaded

to engage a tapped hole in the end of the pen, pencil, nib-cap or the like.

According to the present invention a coil compression spring is interposed between the retaining or abutment member and the interior of the slotted end portion of the article in such manner that additional resilience is afforded to the arm of the clip movement of which away from the wall of the cap compresses the spring.

When applied to a pocket clip in which the retaining member is an eyebolt as aforementioned, the precompression of the spring can be adjusted by appropriately setting the nut on such eyebolt and where the slotted end portion is a separate fitting, such adjustment may conveniently be effected before the fitting is screwed into the end of the pen, pencil, nib cap or the like.

By the present invention an improved clip anchorage is obtained with which the grip on the pocket is independent of the inherent resilience of the material constituting the clip arm and in which the pressure on the arm can be readily adjusted.

Dated this 7th day of May, 1948.

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COMPLETE SPECIFICATION.

Improvements in Pocket Clips for Fountain Pens, Pencils and the like.

We, ERIC ERNEST SAMUEL WADE, of Longmynd, Mountwood Road, Prenton, Birkenhead in the County of Chester and CHARLESWORTH LIVSEY, of 18, Bellfield Crescent, Wallasey in the County of Chester, both British Subjects, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

[Price 2/-]

This invention relates to pocket clips for articles such as fountain pens, pencils and the like and has more especial reference to those mounted at one end of the instrument, usually on the end of the cap or nib cover in the case of a fountain pen.

In Patent Specification No. 621,354 (co-pending Application No. 5085/47) an improved pocket clip for a fountain pen or like article is described wherein the retaining

ring is in line with, or in the same plane as, the arm of the clip instead of being at right angles thereto and is adapted to be received in a slot formed for the purpose in the end of the article and to be prevented from outward displacement by a member carrying an abutment engaging the rear or interior of the slotted end of the article. Further, in the specific embodiment described and illustrated in the aforementioned Specification the retaining member is an eyebolt embracing a pin located in the hole through the ring and receiving a nut constituting the abutment, and the slotted end portion of the article is a separate fitting screw-threaded to engage a tapped hole in the end of the pen, pencil, nib-cap or the like.

According to the present invention a coil compression spring is interposed between the retaining or abutment member and the interior of the slotted end portion of the article in such manner that additional resilience is afforded to the arm of the clip, movement of which away from the wall of the cap compresses the spring.

When applied to a pocket clip in which the retaining member is an eyebolt as aforementioned, the precompression of the spring can be adjusted by appropriately setting the nut on such eyebolt and where the slotted end portion is a separate fitting, such adjustment may conveniently be effected before the fitting is screwed into the end of the pen, pencil, nib cap or the like.

The invention will be further described with reference to the accompanying drawings where a preferred embodiment of the improved clip applied to the nib cap or cover of a fountain pen is illustrated by way of example and wherein:—

Fig. 1 is a side elevation of the cap partly in section to show the clip anchorage,

Fig. 2 is a view of the screw plug for mounting the clip in the end of the cap in this embodiment, and

Fig. 3 is a section of the anchorage taken at right angles to the sectioned portion of Fig. 1, while

Fig. 4 shows the clip, eye-bolt spring and retaining nut removed from the plug.

Referring now to the drawings, 1 generally designates the nib cap or cover consisting of a tube of vulcanite, ebonite or other plastic material arranged to be a push fit on, or to be screwed on to, a pen body or barrel so as to cover the nib when the pen is not in use.

The upper end of the cap is tapered at 2 and is interiorly screw-threaded at 3 to take a screw plug 4 closing this end of the cap and providing the anchorage for a pocket clip generally designated 5 by which the fountain pen may be retained in the pocket.

In the particular embodiment illustrated,

the screw plug 4 is of metal and the portion projecting from the tapered end of the cap 1 is furnished with a sheath 6 of vulcanite, ebonite or other plastic material having a tapering external surface 7 and a dome shaped end 8 to conform with the taper 2 on the cap 1 although, as will be understood, the sheath 6 and plug 4 may be a unitary component of metal, or of vulcanite, ebonite or other appropriate plastic material.

10 is a central diametrical slot formed in the domes end 8 of the sheath 6 in alignment with a corresponding slot 11 in the screw plug, in which slots the clip anchorage lies and from which an aperture or axial bore 12 in the screw plug 4 depends to take an eye bolt 13 when the parts are assembled.

The clip 5 is bent up from sheet metal to channel section and has a cranked portion 15 shaped to occupy the aligned diametrical slots 10 and 11 in the end of the fitting, the external surface of which cranked portion forms a smooth continuation of the domed end 8 of the sheath 6.

The channel walls of the cranked portion 15 are perforated at 16 to take a pin 17 which mounts between said channel walls the eye 14 of the retaining bolt 13, the stem whereof passes through the axial hole 12 in the plug 4 and carries a coil compression spring 18 and a nut 19 both accommodated in a cup-like recess 20 in the plug 4.

The spring 18 is centralised by a cylindrical guide shank 21 on the nut and abuts with a shoulder 22 at the top of the plug recess 20 to secure the cranked portion 15 of the clip in place in the slots 10 and 11. The nut 19 is slotted at 23 for ready adjustment of the spring pressure.

As will be appreciated, when the arm of the clip 5 is moved away from the wall of the cap 1 the spring 18 is compressed and tends to urge the arm back to the position shown in Fig. 1 owing to the end of the cranked portion 15 bearing the base of the slot 11. To this end, the channel walls are continued to the end of the cranked portion and have their extremities rounded at 24 to form a rolling fulcrum.

By the present invention an improved clip anchorage is obtained with which the grip on the pocket is independent of the inherent resilience of the material constituting the clip arm and in which the pressure on the arm can be readily adjusted.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A pocket clip for a fountain pen or like article wherein the retaining ring is in line with, or in the same plane as, the arm of the clip instead of being at right angles thereto and is adapted to be received in a slot formed for the purpose in the end of the article and

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- to be prevented from outward displacement by a member carrying an abutment co-operating with the rear or interior of the slotted end of the article, and wherein a compression spring is interposed between the retaining or abutment member and the interior of the slotted end portion of the article in such manner that additional resilience is afforded to the arm of the clip, movement of which away from the wall of the cap compresses the spring.
- 5 2. A pocket clip for a fountain pen or like article according to the preceding claim wherein the member is an eyebolt embracing a pin located in the hole through the ring and receiving a coil compression spring and a retaining nut constituting the abutment.
- 10 3. A pocket clip for a fountain pen or the like according to either of the preceding claims wherein the slotted end portion of the article is a separate fitting screw-threaded to engage a tapped hole in the end of the pen, pencil, nib-cap or the like and provided with a cup-shaped internal recess housing the spring and retaining member.
- 15 4. A pocket clip for a fountain pen or like article according to any of the preceding claims, bent up from sheet metal to channel section and having a cranked portion shaped to occupy the slot in the fitting, the channel walls of this cranked portion being perforated
- to constitute the retaining ring and the end of this cranked portion forming a fulcrum about which the clip can move in relation to the fitting against the resistance of the spring.
- 35 5. A pocket clip for a fountain pen or the like article according to any of the preceding claims wherein the clip proper and cranked retaining portion are of channel section, the channel walls being continuous around the shoulders connecting these two portions, and extending to the end of the cranked portion to form a fulcrum for the purpose specified.
- 40 6. A pocket clip for a fountain pen or the like according to any of the preceding claims including an abutment in the form of a retaining nut provided with a cylindrical shank for centralising the compression spring.
- 45 7. A pocket clip for a fountain pen or the like article constructed and arranged for use substantially as described with reference to the accompanying drawings.
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Dated this 29th day of April, 1949.

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[This Drawing is a reproduction of the Original on a reduced scale.]

