Nov. 30, 1926. 1,608,707

G. L. MIDDLETON

FOUNTAIN ATTACHMENT FOR PENS

Filed August 26, 1925

Fig. 1.

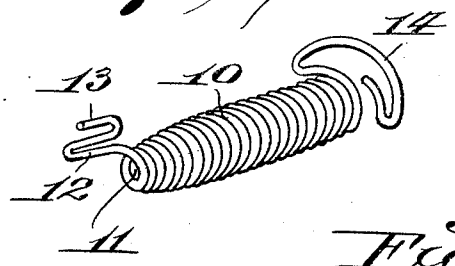


Fig. 2.

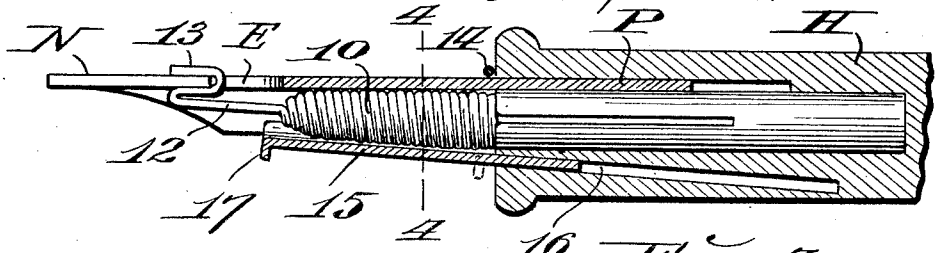


Fig. 3.

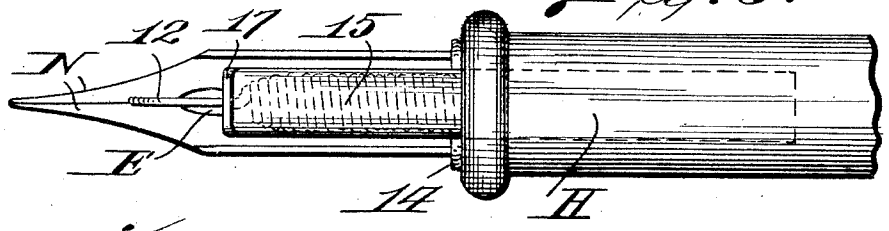


Fig. 4.

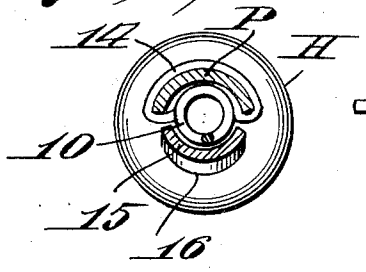
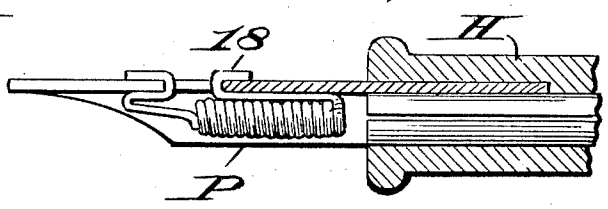


Fig. 5.



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UNITED STATES PATENT OFFICE.

GEORGE L. MIDDLETON, OF LOS ANGELES, CALIFORNIA.

FOUNTAIN ATTACHMENT FOR PENS.

Application filed August 26, 1925. Serial No. 52,542.

My invention relates to a fountain attachment for pens and has for its principal object, the provision of a relatively simple, practical and inexpensive device that may be readily applied to an ordinary pen point, and which device functions as a reservoir to contain a substantial body of ink, thereby enabling a relatively large amount of writing to be done with only one dip or insertion of the pen point and attachment into an ink well or other source of supply.

Further objects of my invention are to produce a device of the character referred to that may be very firmly attached to the pen point beneath the transversely curved body portion thereof, and to provide on the pen holder a sliding cover for the fountain attachment.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangements of parts that will be hereinafter more fully described and claimed and illustrated in the accompanying drawings in which:

Fig. 1 is a perspective view of a fountain attachment of my improved construction.

Fig. 2 is a vertical section taken lengthwise through the front end portion of a pen holder, with the pen point positioned therein, and showing my improved fountain attachment positioned for use.

Fig. 3 is a view looking against the underside of a pen and pen holder that are equipped with my improved fountain attachment.

Fig. 4 is a cross section on the line 4—4 of Fig. 2.

Fig. 5 is a vertical longitudinal section similar to Fig. 2, and showing a modified form of the fountain attachment.

In the construction of my improved fountain attachment, a single piece of suitable wire is used, said wire being preferably formed of or plated with metal that is immune to the corrosive action of the acids and the liquid ingredients that are usually employed in the manufacture of writing inks and the greater portion of this section of wire is bent to form a small tubular coil 10 that preferably tapers toward its forward end and which functions as a reservoir or ink containing member.

A relatively small opening 11 is formed at the forward end of the tapered portions of the coiled body 10 and from said forward end, the wire is extended forwardly to form a short arm 12 that is offset relative to the axis of the coil and the terminal portion of the wire at this end of the device is bent upwardly above the short arm 12 to form a horizontally disposed U-shaped hook 13. When the attachment is applied to a pen, such as P that is inserted in a holder such as H, the upper portion of hook 13 is inserted through the eye E that is formed in the forward portion of pen P to the rear of the nibs N thereof. This hook functions to detachably secure the forward portion of the attachment to the pen point, and arm 12 serves to conduct the flow of ink from the opening 11 at the forward end of body 10 to the nibs that form the pen point.

The rear terminal portion of the section of wire is bent to form a horizontally disposed, substantially crescent-shaped loop 14, which, when the device is applied to a pen encircles the body thereof at a point just in front of the forward end of holder H. Thus, both ends of the attachment are firmly secured to the body of the pen and said attachment fits snugly beneath the transversely curved body of the pen to the rear of the nibs thereof.

To cover the coiled body of the attachment when applied to a pen, I provide a transversely curved plate 15, that is slightly greater in length and width than body 10 and said cover plate is arranged to slide into and out of a slot or pocket 16 that is formed in the forward portion of holder H. The forward end of this cover plate is provided with a depending lip 17 that may be engaged by the thumb or finger nail, when said plate is to be slid into or out of pocket 16 in the holder.

When the pen and attachment are dipped into an ink well to obtain a supply of ink, the cover plate is moved into its pocket in the holder, and when the ink supply has been obtained, said cover is pulled outward to cover the ink-filled body, thereby tending to minimize ink losses due to evaporation.

In the modified form of the attachment illustrated in Fig. 5, the rear portion of the section of wire from which the device is formed, is bent forwardly so as to overlie the coiled body and said forwardly bent portion terminates in a hook 18 that engages

through the rear portion of the eye between the nibs of the pen.

Thus it will be seen that I have provided a fountain attachment for pens that is relatively simple in construction, capable of being easily and cheaply produced and which is very effective in performing its intended functions.

Obviously, minor changes in the size, form and construction of the various parts of my improved fountain attachment for pens may be made and substituted for those herein shown and described without departing from the spirit of the invention, the scope of which is set forth in the appended claim.

I claim as my invention:

The combination with a pen holder and pen carried thereby, of a fountain attachment comprising a coil of wire arranged beneath the pen at the forward end of said holder and a member arranged for sliding movement over the pen holder and adapted when withdrawn to form a cover for said fountain attachment.

In testimony whereof I affix my signature.

GEORGE L. MIDDLETON.