

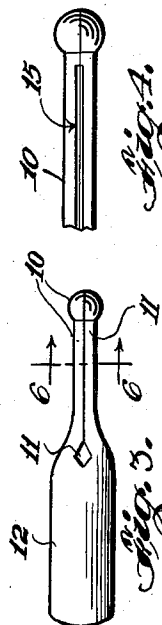
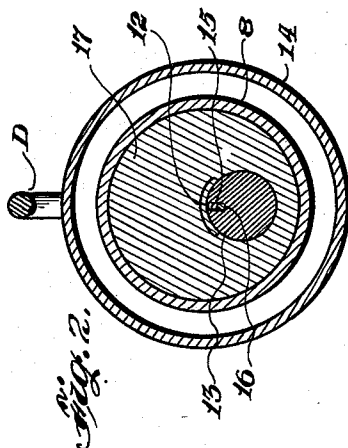
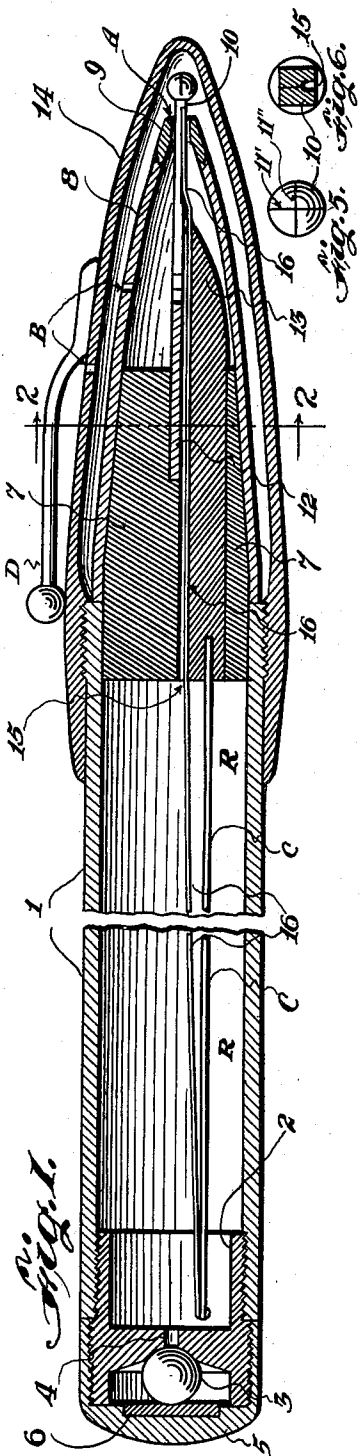
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FOUNTAIN PEN

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FOUNTAIN PEN

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1 Claim. (Cl. 120—42)

My invention relates to improvements in fountain pens, and the general object of my invention is to provide a greater ink storage capacity for the fountain pen.

Another object of my invention is to provide means for filling the ink container of the fountain pen.

A further object of my invention resides in the novel form and construction of the pen body, whereby only the writing point of the pen is exposed to the outer air when the pen is in use.

Still another object of my invention resides in the novel ink wick construction and operation, whereby the ink is kept in uniform flow as close to the point of the pen as is practicable.

My invention has other minor objects, all of which will be clearly understood from a perusal of the following detailed description, taken in connection with the accompanying drawing, and in the drawing:

Figure 1 is a longitudinal sectional view of my fountain pen by itself, the view being in broken formation to facilitate illustration, the pen being ready for use on removal of the protecting closure.

Figure 2 is a cross-sectional view on an enlarged scale of Figure 1, the view being had on the line 2—2 of Figure 1.

Figure 3 is a view of one side of a pen, per se.

Figure 4 is an enlarged side view of the pen nib, opposite to that shown in Figure 3.

Figure 5 is an enlarged end view of the pen nib, and

Figure 6 is an enlarged detail cross-sectional view of the pen nib, had on the line 6—6, Figure 3.

Referring now in detail to the drawing, and wherein like parts are designated by like numerals, the barrel 1 of my fountain pen is preferably made of transparent material, or partly of such material, so as to enable the user to see the amount of ink in the container. One end of the barrel is threadedly engaged, as shown in Figure 1, to a thimble 2, carrying a check valve 3, of ball or any preferred type, and normally seated over the valve duct 4. A cap 5 is threadedly secured to the outer end of the thimble and fastened to the cap is a piece of rubber 6 or the like of resilient nature, which serves to hold the valve 3 firmly in place when the cap 5 is screwed down tightly.

Fastened in the opposite end of the barrel 1 is a plug 7 which is tapered as shown and over this tapered portion is secured a transparent nipple 8, the extremity thereof carrying a metallic member 9 with an opening through which projects the

pen nib 10 of any preferred type of pen. The upper portion of the nib 10 is seated in a recess in the plug as shown in Figures 1 and 2 and partially embraces a tongue 13, carried by the plug 7. Thus the space between the thimble 2 and the inner end of the plug 7 provides an ink container R of relatively large capacity.

Attention is here directed to the fact that the nib of the pen is on a plane directly in line with the opening A in the member 9, hence the writing point of the pen is centralized in the pen, similar to a lead pencil and the pen is not held off-center as in ordinary fountain pens and pen holders. This makes for easier writing. In the drawing, Figure 1, the ball point of the pen is drawn larger than actual size to facilitate clearness, but in reality the ball point is small enough to pass through the opening A when replacing, or taking off the nipple 8 to fill pen or any other purpose. The opening A is large enough also to permit some play of the pen nib. Also in addition to the customary slit 11 there is a slit 11' at right angles thereto.

Spaced from the nipple 8 is a transparent closure nipple 14 threadedly engaged to the barrel 1, as clearly shown in Figure 1. Apertures B permit air to enter the nipple 8 to prevent clogging the ink duct 15. Thus the nipples 14 and 8 provide a stream-line effect to the pen, the result being a more graceful appearance.

An ink wick support C holds a wick 16 which latter traverses the ink duct 15 and maintains an even flow of ink almost to the pen point. D is a spring clip of well known construction for attachment to the user's pocket. The pump and pencil unit attached thereto likewise carry a spring clip, not shown.

From the foregoing it will now be apparent that when the nipple 14 is removed, only the extreme end of the pen point is exposed, hence the tendency of dust or foreign matter to clog the pen is greatly reduced. Again, in using a fountain pen, after the protective cover is removed, should the pen remain in this condition a few minutes without being used, the ink being in contact with the outer air becomes dry and it is necessary to shake the pen to force the ink downwardly onto the point again. In the present construction this is also greatly reduced.

While the foregoing describes a practical working embodiment of my invention, I desire it understood that I do not limit my invention to the precise construction shown and described, as my invention is capable of modifications and altera-

tions in keeping with the spirit thereof and within the scope of the appended claim.

What I claim as new is:

In a fountain pen comprising a transparent ink
5 barrel, a plug member secured to the lower end of
the barrel, said plug member having a tongue-like
extension disposed off center or eccentrically of
the plug member, and a recess in the plug mem-
ber for seating the pen nib, whereby the latter
10 is held in the recess and partially embraces said
tongue-like extension, said fountain pen including
a transparent tapered nipple secured over the said
plug member, said tapered transparent nipple

having a piece of metal forming its lower end
and provided with an aperture through which
only the writing point of the pen extends, an ink
duct extending through the said plug member
from the said nib to and communicating with the
transparent ink barrel, an ink wick extending
5 from the nib through the ink duct in the plug
member and reaching into the upper end of the
ink barrel, and a support member being secured
to the inner end of the tongue-like extension and
10 extending into the ink barrel for the support of
the said wick element.

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