J. F. SIEGIENSKI.

FOUNTAIN PEN.

APPLICATION FILED OCT. 23, 1918.

1,297,602. Patented Mar. 18, 1919.

Fig. 1.

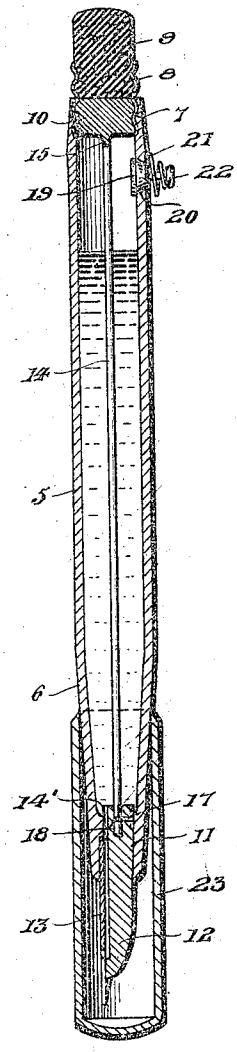


Fig. 2.

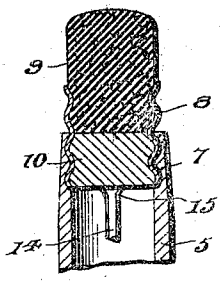
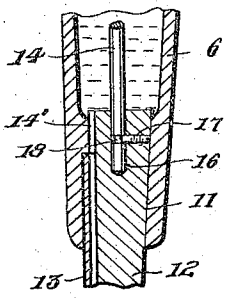


Fig. 3.



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FOUNTAIN-PEN.

1,297,602. Specification of Letters Patent. Patented Mar. 18, 1919.

Application filed October 23, 1918. Serial No. 259,324.

To all whom it may concern:

Be it known that I, JOSEPH F. SIEGIENSKI, a citizen of the United States of America, residing at Thorp, in the county of Clark and State of Wisconsin, have invented certain new and useful Improvements in Fountain-Pens, of which the following is a specification.

This invention relates to certain new and useful improvements in fountain pens and has among its objects the provision of this class of device which will be extremely durable as well as capable of being readily cleaned.

A further object of the invention is to provide a fountain pen including a hollow barrel or body portion with means introduced through the upper end thereof to securely maintain a pen-point operatively positioned in the lower end thereof, said means being connected to a closure element for the upper end of the barrel whereby the said means may be readily removed when desired.

With the above general objects in view and others that will become apparent as the nature of the invention is better understood, the same consists in the novel form, arrangement and combination of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the accompanying drawing, wherein like characters of reference indicate corresponding parts throughout the several views,

Figure 1 is a central longitudinal sectional view taken through the pen and its cover.

Fig. 2 is a longitudinal sectional view, slightly enlarged, showing a fragment of the upper portion of the pen and

Fig. 3 is a similar view showing the lower end of the pen.

Referring more in detail to the several views, the present invention includes a hollow barrel or body member 5 which is inwardly tapered at its lower end 6 and which is internally threaded as at 7 at its upper end for reception of the metal ferrule 8. The metal ferrule 8 surrounds the base of an eraser 9 and connects the same to a plug member 10 which acts as a closure for the upper end of the barrel 5 when positioned as shown in Figs. 1 and 2. The eraser 9 is preferably constructed so that the same is adapted for erasure of ink and may be readily removed from the ferrule 8 when worn in order that a new eraser may be substituted therefor.

The lower end 6 of the barrel 5 has a sloping wall 11 in order that the tapering pen-point-securing member 12 may be wedged into operative position therein as shown in Figs. 1 and 3. It will be seen that, when the tapered member 12 is in position, the same will securely retain the pen-point 13 within the end 6 between the same and the member 12. The securing member 12 is provided at one side, adjacent to the pen-point 13 with a longitudinal groove 14′ so as to allow the flow of ink from the barrel 5 to the pen-point 13 in the usual manner.

Extending axially in the barrel 5 is a rigid rod 14 having its upper end securely connected to the underface of the plug 10 as at 15 and having its lower end swiveled in the securing member 12. The lower end of the rod 14 is swiveled in the member 12 by entering a socket 16 in the upper larger end of the member 12 and maintained therein by means of a transverse set screw 17 which is threaded transversely through the member 12 so that its inner end engages in the annular groove 18 provided in the lower end of said rod 14.

In order that the pen barrel 5 may be filled with ink, a suitable valve 19 is provided to close the opening 20 in the side wall of the barrel 5 adjacent the upper end thereof, said valve being normally closed by means of the spring 21 arranged between the adjacent portion of the barrel 5 and the head 22 of said valve.

Should the channel 14′ of member 12 become clogged with ink, said member 12 is easily removed for cleaning by unscrewing the ferrule 8 by rotation of the latter, this causing upward movement of the rod 14 and member 12, such rotation of the ferrule 8 not being imparted to member 12 by reason of the swivel connection before described. This swivel connection is essential as the form of the member 12 will not permit of rotation of the same in the lower end of the barrel 5. After the ferrule 8 is entirely unscrewed, the same may be removed together with the rod 14 and member 12. In case of breakage of the member 12, the same may be renewed by removal of the set screw 17, and it will thus be seen that the present invention provides an extremely practical form of fountain pen permitting

renewal and complete cleaning of parts. The barrel 5 may be filled with ink through the opening 20 by pressing upon the head 22 of the valve 19 and then inserting the small end of the usual pen filler through the opening 20. The usual form of cover 23 may be provided for the pen as is usual in this class of devices.

From the foregoing description, it is believed that the construction and operation of the present invention will be readily understood by those skilled in the art, and while the form of the invention herein shown and described is what is believed to be the preferred embodiment thereof, it is nevertheless to be understood that minor changes may be made in the form, combination and arrangement of parts without departing from the spirit and scope of the invention as claimed.

What I claim as new is:—

1. A fountain pen comprising a hollow barrel having an inwardly tapering lower end, a tapered pen-point-securing member within the lower end of the barrel and removable from the latter only through the upper end thereof, a closure plug for the upper end of said barrel, and a rod rigidly connected to said closure plug arranged axially of said barrel and having its lower end swiveled to the upper end of said pen-point-securing member whereby removal of said plug will cause removal of the pen-point-securing member, substantially as described.

2. A fountain pen comprising a hollow barrel having an inwardly tapered lower end, a tapered pen-point-securing member fitted in the lower end of said barrel and provided with a longitudinal groove in one side thereof for the outlet of ink from said barrel, said pen-point-securing member being provided with a socket in the upper end thereof, a closure plug for the upper end of said barrel having a rod rigid therewith extending axially of the barrel with its lower end positioned within the socket of said pen-point-securing member, the lower end of said rod being provided with an annular groove, and a set screw extending through said pen-point-securing member with its inner end engaging in the annular groove of said rod, substantially as described.

In testimony whereof I affix my signature.

JOSEPH F. SIEGIENSKI.