

J. MEDLIN.
FOUNTAIN PEN.
APPLICATION FILED JUNE 29, 1916.

1,199,401.

Patented Sept. 26, 1916.

Fig. 1.

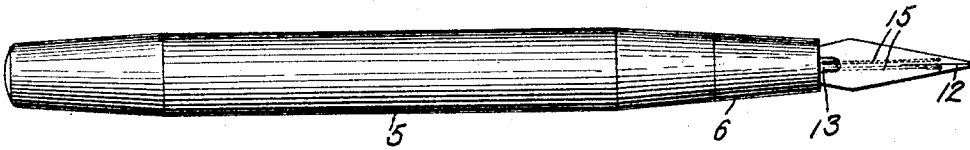


Fig. 2.

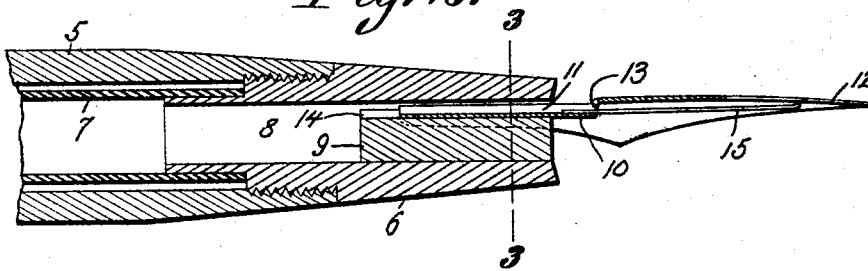
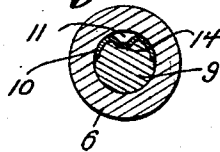


Fig. 3.



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JOHN MEDLIN, OF CLEVELAND, OHIO.

FOUNTAIN-PEN.

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To all whom it may concern:

Be it known that I, JOHN MEDLIN, a subject of the Emperor of Austria-Hungary, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Fountain-Pens, of which the following is a specification.

This invention relates to fountain pens, and more particularly to the means for controlling the flow of ink to the nib, the same involving a modification of the latter.

The invention has for its object to provide a novel and improved nib, and means co-operating therewith, whereby the flow of ink is perfectly controlled and an even flow is assured, an excessive flow of ink and blotting being thus effectually prevented.

With the object stated in view, the invention consists in a combination and arrangement of parts to be hereinafter described and claimed, reference being had to the accompanying drawing, forming a part of this specification.

In the drawing, Figure 1 is a plan view of the pen; Fig. 2 is an enlarged longitudinal section of the nib end of the pen, and Fig. 3 is a cross-section on the line 3—3 of Fig. 2.

Referring specifically to the drawing, 5 denotes the barrel of the pen, the same having detachably secured to its outer end a nib-holding member 6. The barrel incloses an ink reservoir in the form of a flexible tube 7 which is connected to the nib member 6 to discharge into the ink delivery passage 8 thereof. In the outer end of the passage 8 is a plug 9 which entirely closes up the same with the exception of the space occupied by the shank 10 of the pen nib, said shank fitting tight between the side of the plug and the wall of the passage 8, whereby the nib is firmly held in position for use.

The top of the shank 10 of the nib has a central longitudinal groove 11 extending from its inner end toward the slit 12 of the nib, and terminating a short distance to the rear thereof where it opens to the under side of the nib through an aperture 13 therein. The groove 11 is formed by making a cor-

rugation in the nib shank, the corrugation at the under side of the shank fitting in a longitudinal groove 14 in the side of the plug 9. The groove 11 opens at its rear end into the passage 8, and its forward end communicates with the aperture 13. Thus, it will be seen that the ink cannot flow from the passage 8 to the nib except by the way of the groove 11, and when it reaches the aperture 13, it flows to the under side of the slitted portion of the nib.

In connection with the modified nib hereinbefore described, there is provided a device for promoting the feed of the ink to the writing extremity of the nib. This device comprises two very thin wires 15 extending in parallel and laterally spaced relation along opposite sides of the slit 12 from the aperture 13 to within a relatively short distance from the point of the nib, the wires being here made fast to the nib by being inserted in apertures therein. The rear ends of the wires project through the aperture 13 for a slight distance into the groove 11. Inasmuch as the wires are separately fastened to the nib, they are free to spread when the writing end of the nib is spread at the slit 12.

The wires 15 cause the ink to flow evenly to the slitted portion of the nib, and prevent an excessive flow and blotting. The groove 14 in which the corrugation forming the groove 11 seats, prevents the nib from turning, and it is securely held.

I claim:

A nib for fountain pens having its shank provided with a top longitudinal groove extending from the rear end of the shank toward the slitted portion of the nib and terminating short of the rear end of the nib slit, said groove opening at its forward end to the under side of the nib; and feed members mounted on the under side of the nib alongside the slit, said members extending at one end into the forward end of the groove and terminating short of the point of the nib.

In testimony whereof I affix my signature.

JOHN MEDLIN.