

932,447.

P. D. CORRIGAN.
FOUNTAIN PEN.
APPLICATION FILED NOV. 5, 1908.

Patented Aug. 31, 1909.

Fig. 1.

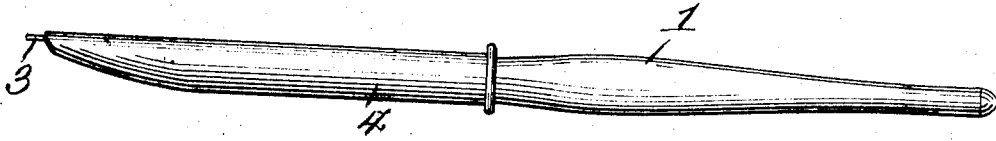


Fig. 2.

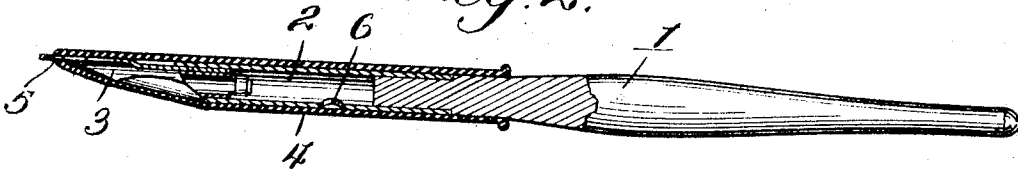


Fig. 3.

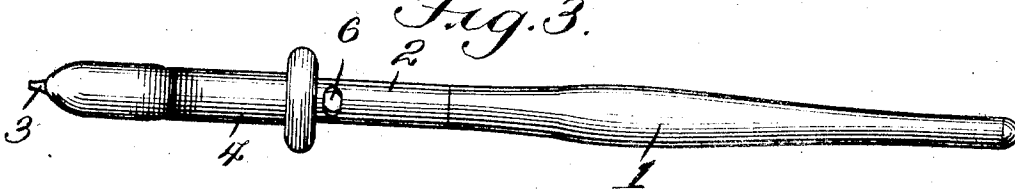


Fig. 4.

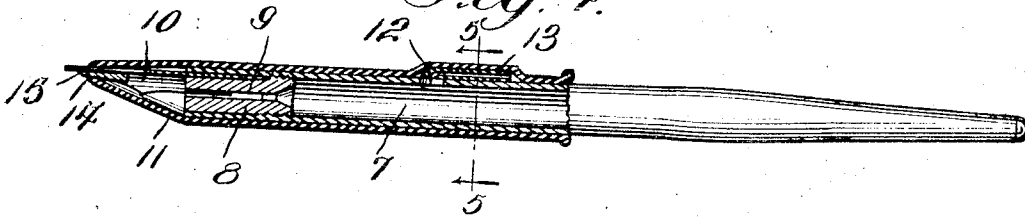
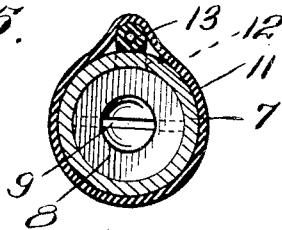


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

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FOUNTAIN-PEN.

932,447.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, PATRICK D. CORRIGAN, a citizen of the United States, residing at Wellsville, in the county of Allegany and State of New York, have invented new and useful Improvements in Fountain-Pens, of which the following is a specification.

This invention relates to fountain pens and has for its object to provide a comparatively simple and inexpensive device of this character and one which is reliable and efficient in use, and capable of being readily filled.

Another object of the invention is the provision of means whereby the flow of ink from the barrel or reservoir to the pen can be regulated in a simple and efficient manner.

With these objects in view and others, as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claims appended hereto.

In the accompanying drawing, which illustrates one embodiment of the invention, Figure 1 is a side view of the fountain pen. Fig. 2 is a longitudinal section thereof. Fig. 3 is a plan view thereof showing the manner of filling the barrel. Fig. 4 is a sectional view of a modified form of fountain pen. Fig. 5 is a transverse section on line 5-5, Fig. 4.

Similar reference characters are employed to designate corresponding parts throughout the views.

Referring to the drawing, 1 designates the handle of an ordinary pen holder on which is arranged the usual metal barrel or cylinder 2 that receives an ordinary steel or gold pen 3 in the usual manner, and fitted over the pen barrel and portion of the handle is a soft rubber tubular casing or ink sack 4 which has one end open so as to be placed over the pen holder and the other end closed to be pierced by the pen 3 in placing the casing on the holder and through the opening or perforation 5 made by the pen the ink is adapted to flow when writing. The barrel or cylinder 4 has an opening 6 adjacent the middle thereof whereby ink can be supplied to the barrel to constitute a reservoir of the latter, and this opening is covered by the casing 4 which snugly fits around the barrel so that leakage

of ink through the filling opening is prevented. In writing, the ink flows freely to the pen from the barrel, as needed, and if the opening 5 becomes clogged from non-use, the ink can be readily started by pressing on the rubber casing or sack at a point under the pen to thereby force a small quantity of ink to the top of the latter. In filling the barrel, the inner end of the casing 4 is rolled outwardly toward the pen until the opening 6 is exposed, as shown in Fig. 3, and the pen holder is turned to bring the opening uppermost and then the barrel can be filled by an ordinary dropper. After the barrel is filled, the casing is rolled back to its normal position, as shown in Figs. 1 and 2.

In the construction shown in Figs. 4 and 5, the handle is made hollow throughout its length to form a large reservoir or barrel 7, and the open end of the barrel is provided with a plug 8 having a channel 9 through which the ink flows and the pen 10 is inserted in the handle between the internal wall of the latter and plug 8. Over the pen and barrel is assembled the rubber casing 11 for holding the ink in the barrel and this casing covers the filling opening 12. Leading out of the filling opening is a small tube 13 that lies flat against the handle or barrel and is covered by the casing, and the outer end of the tube is adapted to be exposed by rolling back the inner end of the casing so as to furnish air to the barrel of the pen holder to facilitate the flow of ink to the pen when the ink becomes thick. The tube 13 may be of any material and is separate from both the barrel and casing and is retained in place by the latter. When it is required to fill the barrel 7, the inner end of the casing is rolled back to uncover the opening 12 and the tube 13 is removed, the barrel being placed in an approximately horizontal position with the opening 12 uppermost, the ink being supplied through the opening 12 by means of a dropper in the manner well understood. Should the opening 14 of the casing be too large for the required flow of ink to the tip of the pen, a small plug or filler 15 may be inserted in the opening to diminish the outward area thereof, and this filler will be held in place with respect to the pen by the casing itself.

From the foregoing description, taken in connection with the accompanying drawing, the advantages of the construction and of the method of operation will be readily

apparent to those skilled in the art to which the invention appertains, and while I have described the principle of operation of the invention, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative, and that such changes may be made when desired as are within the scope of the claims appended hereto.

Having thus described the invention, what I claim is:—

1. A fountain pen comprising a barrel having a filling opening at a point intermediate its ends, a pen arranged in the barrel, and a rubber casing disposed over the pen and portion of the barrel to be held by contraction on the latter and covering the filling opening to hold ink in the barrel, the outer end of the casing having an opening through which the tip of the pen extends, and the inner end of the casing being adapted to roll back on itself to expose the filling opening.

2. A fountain pen comprising a barrel or reservoir having an aperture at a point intermediate its ends, a pen inserted in the barrel, a tubular rubber casing disposed

over the pen and barrel and having an opening through which the tip of the pen extends, and a tube disposed longitudinally of and flat against the outside of the barrel with one end communicating with the exterior of the latter through the aperture, said tube being normally covered by the casing and adapted to be uncovered by retracting the casing for admitting air to the barrel to facilitate the flow of ink to the pen.

3. A fountain pen comprising a barrel open at one end and having a filling aperture at an intermediate point, a pen inserted in the open end of the barrel, a flexible tubular casing disposed over the pen and barrel and normally covering the aperture thereof, and an air inlet tube communicating with the barrel through the said aperture and normally covered by the casing, said casing being removable from the tube to admit air to the barrel.

In testimony whereof I affix my signature in presence of two witnesses.

PATRICK D. CORRIGAN.

Witnesses:

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W. E. HAMMOND.