

(No Model.)

J. HOLLAND.
FOUNTAIN PEN.

No. 351,033.

Patented Oct. 19, 1886.

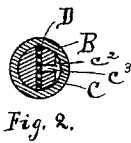


Fig. 2.

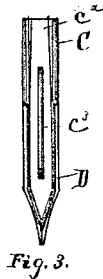


Fig. 3.

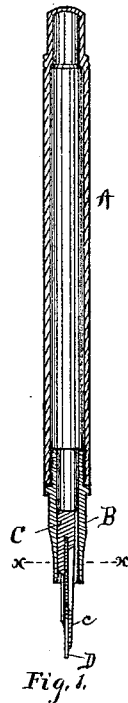


Fig. 1.

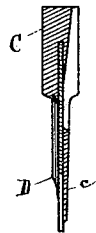


Fig. 4.

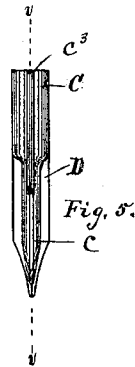


Fig. 5.

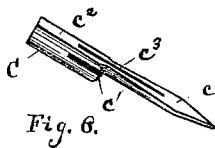


Fig. 6.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN HOLLAND, OF CINCINNATI, OHIO.

FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 351,033, dated October 19, 1886.

Application filed August 23, 1886. Serial No. 211,600. (No model.)

To all whom it may concern:

Be it known that I, JOHN HOLLAND, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Improvement in Fountain-Pens, of which the following is a specification.

My invention relates to that class of fountain-pens in which the common writing-point is supplied with ink from a tubular handle.

Its object is a simple device to hold the pen-point, furnish a regular and uniform supply of ink to it when in use, and prevent leakage when the pen is not in use.

The invention consists in providing a simple point holder and feeder adapted to be inserted within the end of any hollow pen-handle, the device being simple in construction, easily applied for use, removed for cleansing, and not liable to clog or get out of order.

The invention will be first fully described in connection with the accompanying drawings, in which like parts are represented by similar reference-letters wherever they occur throughout the various views, and then specifically referred to and pointed out in the claims.

Referring to the drawings, Figure 1 is a central longitudinal sectional view of a fountain-pen provided with my improvements. Fig. 2 is a transverse section taken through line $x x$ of Fig. 1. Fig. 3 is an elevation, looking upon the upper side of the pen, of my preferred form of holder and feeder. Fig. 4 is a central longitudinal section of a modified form of the pen-point holder and feeder. Fig. 5 is an elevation, looking upon the upper side of the pen, of the form shown in Fig. 4, the view in Fig. 4 being taken through line $v v$ of Fig. 5. Fig. 6 is a perspective view of my preferred form of point holder and feeder. All of the above views except Fig. 1 are drawn upon an enlarged scale.

The reservoir-handle A and point-section B are of the usual form, and are constructed preferably of hard rubber or some material non-corrodible by ink. My preferred form of pen-point holder and feeder C (shown clearly in Fig. 6) is also of rubber, and consists of a short cylindrical plug, with a tongue, e , extending from its forward end to bear upon the upper side of the pen-point D, which is held in the transverse groove e' in the forward end of the plug. One side of the plug C is flattened off, as shown at e'' , to permit a flow of

ink from the reservoir-handle, and the tongue e is slotted through, as shown at e^3 , to permit the ink to pass to the upper side of the pen and be carried down for delivery to the writing-points by the act of writing. By this means no ink will reach the under side of the pen, except that which passes through between the slotted nibs when separated by pressing upon the paper, and all danger of blotting is therefore avoided, while a steady supply of ink is insured.

In the modified form shown in Figs. 4 and 5, instead of flattening off one side of the plug, the slot e^3 is carried back to the end of the plug C to furnish the discharge-orifice from the fountain. The flow is diminished in depth at the inner end, as is also the flattened part e^2 .

I have discovered that by making the ink-duct smaller at its inner end sufficient air will work into the handle by the act of writing to render independent vent-openings unnecessary. By this means, also, all leakage is prevented when the pen is not in use, even though it be carried point down.

It is obvious that the point-section B may be dispensed with and the pen holder and feeder fitted directly into the handle A; but I prefer to make the handle as shown, as it is more convenient to unscrew the section B from the part A than it would be to withdraw the point and its holder to supply the handle with ink.

What I claim is—

1. A pen holder and feeder for fountain-pens, consisting of a cylindrical plug cut away upon one side to provide an ink-duct, slotted transversely to receive and hold the pen-point, and having a slotted longitudinal tongue extending from its transversely-slotted end to bear upon the upper side of the pen, in combination with a tubular handle to receive the cylindrical part of said holder, substantially as shown and described.

2. In combination with a hollow pen-handle, the cylindrical holder C, having a slotted extension to bear upon the upper side of the pen-point, and having the duct for the passage of ink from the reservoir diminished at its inner end, substantially as shown and described.

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Witnesses:

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