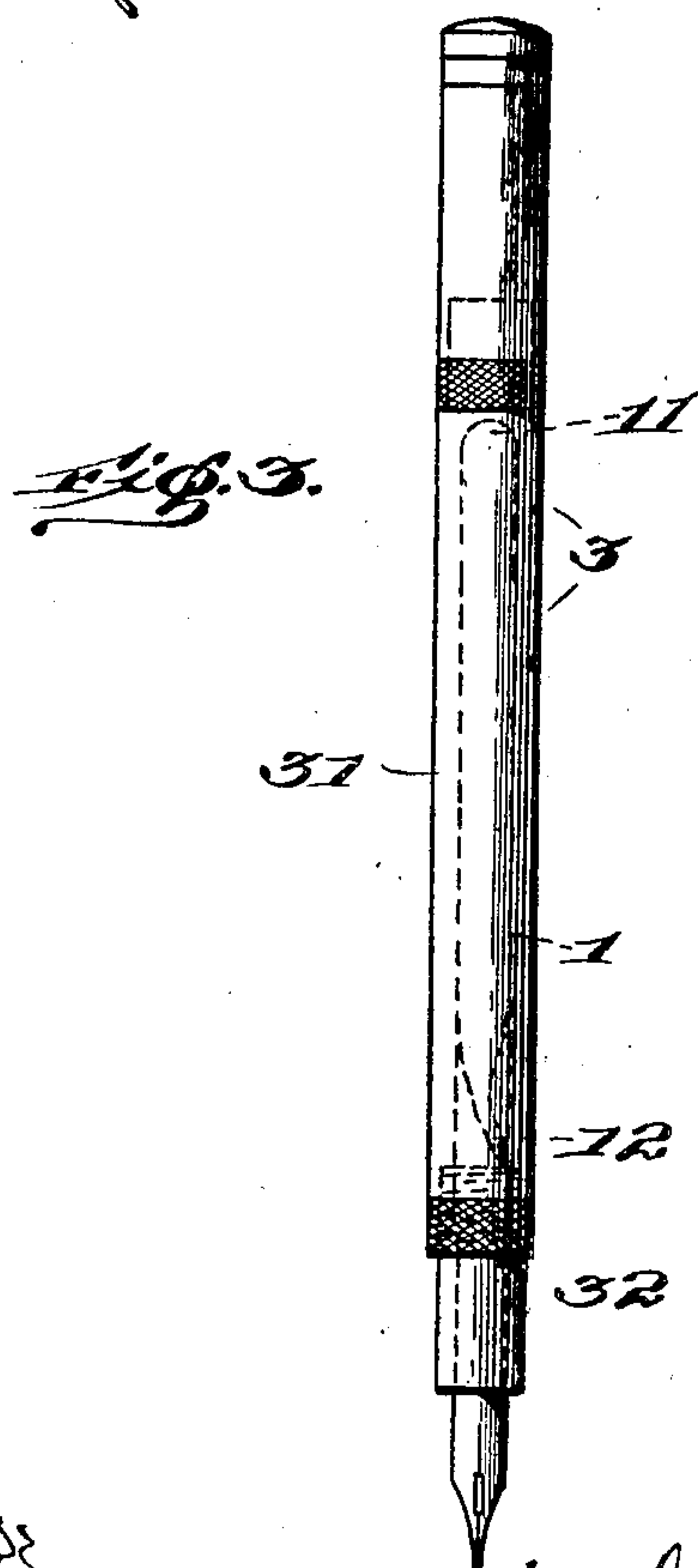
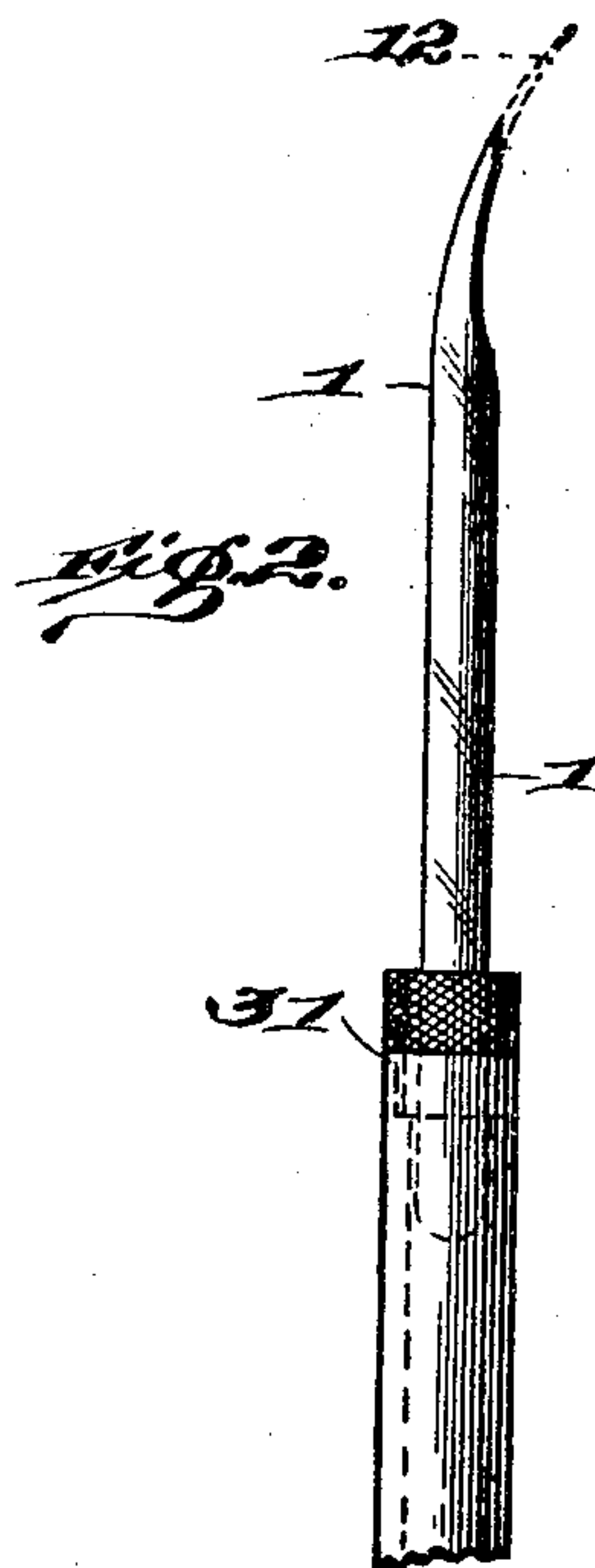
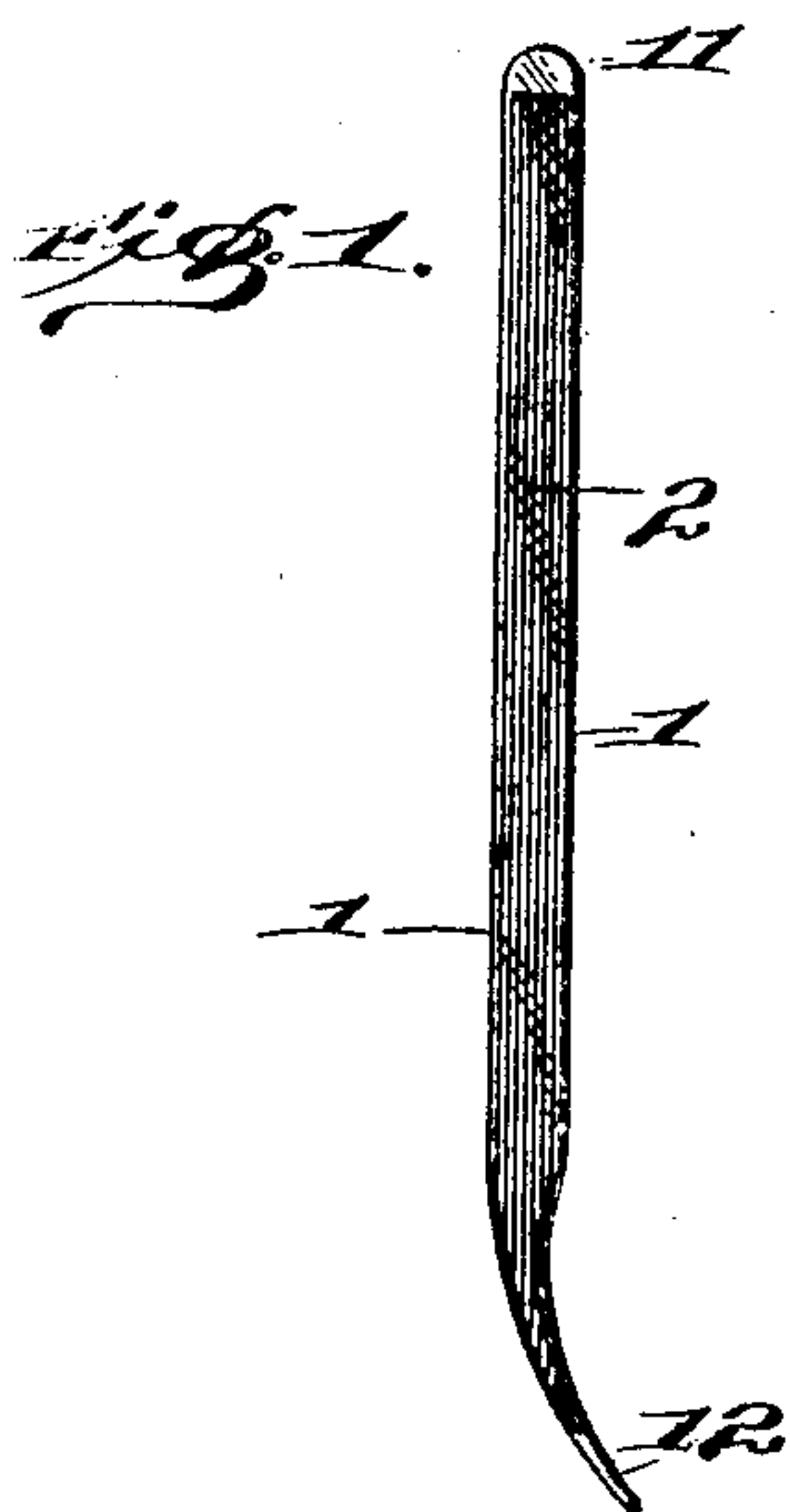


No. 795,320.

PATENTED JULY 25, 1905.

E. M. VAUGHAN.
FOUNTAIN PEN FILLER.
APPLICATION FILED MAR. 14, 1906.



Attest:
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Attys.

UNITED STATES PATENT OFFICE.

ERNEST M. VAUGHAN, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO J. AUBRY VAUGHAN, OF BROOKLYN, NEW YORK.

FOUNTAIN-PEN FILLER.

No. 795,320.

Specification of Letters Patent.

Patented July 25, 1905.

Application filed March 14, 1905. Serial No. 249,993.

To all whom it may concern:

Be it known that I, ERNEST M. VAUGHAN, a citizen of the United States, and a resident of the borough of Brooklyn, in the city and State of New York, have invented certain new and useful Improvements in Fountain-Pen Fillers, of which the following is a specification.

My invention relates to fountain-pens and ink-holders therefor. It provides means by which a traveler or other person may carry a supply of ink for a fountain-pen without danger of injury to his clothing or other baggage and by which the pen may be filled as often as required without soiling the fingers and by which the trouble and annoyance of flooding the paper when writing is also avoided.

It consists of a separate ink-holder adapted to slip within the barrel of the pen and having no connection with the barrel or with the point-section of the pen.

In the accompanying drawings, Figure 1 represents an embodiment of my fountain-pen filler or ink-holder. Fig. 2 represents the filler as it is slipped into the barrel of the pen. Fig. 3 shows the complete fountain-pen and filler or ink-holder, the holder being shown in dotted lines.

In the drawings, 1 is a tube, shown as of glass, having a solid end 11. The tube is filled with a body of ink 2, drawn to a point 12, and sealed in the usual or desired manner. The fountain-pen 3 may be of any well-known form or make, as all of these have the barrel portion 31 and some form of head, including a pen-support and feeding device 32, which is commonly known as a "point-section."

In practice the glass or other tubes having been filled with ink and sealed are sold as ordinary articles of manufacture or trade. The consumer who desires to fill his pen simply breaks off the frangible tip 12 of the tube 1, as shown in Fig. 2 of the drawings, and drops the same into the barrel. The point-section 32 is then screwed into place, and the pen is ready for use. To refill the pen, the point-section is unscrewed, the tube 1 dropped out and thrown away, and a new tube inserted. By following directions which might accompany each of the tubes or by a little experience on his own part the user of the pen may break off the tip 12 to the desired point, so as to permit just the right amount of flow of ink to the point-section and to the pen, whereby the customary blotting and flooding which takes place when a fountain-pen filled

in the usual manner is nearly empty is entirely obviated.

By making the ink-holding tube as described of glass and drawing out its point to make a relatively frangible and self-sealed end both economy of construction and convenience of handling are subserved.

As a glass tube is necessarily frangible, the phrase "relatively frangible" refers to the fact that the end of the tube is drawn out, so as to be considerably thinner than the body of the tube and much more easily broken than such body. The phrase "self-sealed end" refers to the end produced by drawing out the tube under heat and is intended to clearly distinguish it from a tube sealed with some other substance, as a cork or the like.

Without limiting myself to materials or enumerating equivalents, what I claim as my invention is—

1. An ink-holder for a fountain-pen consisting of a closed tube adapted to slip into the pen-barrel and having a relatively frangible end.

2. An ink-holder for a fountain-pen consisting of a closed glass tube adapted to slip into the pen-barrel and having a self-sealed end.

3. An ink-holder for a fountain-pen consisting of a closed glass tube adapted to slip into the pen-barrel and having a tapered sealed end.

4. A fountain-pen comprising a barrel, a point-section, and an ink-holding tube movable in said barrel and independent of said point-section.

5. A fountain-pen comprising a barrel, a point-section, and an ink-supply tube having a contracted aperture movable in said barrel and independent of said point-section.

6. A fountain-pen comprising a barrel, a point-section, and an ink-supply tube having a frangible tapered end movable in said barrel and independent of said point-section.

7. A fountain-pen comprising a barrel, a point-section, and a glass ink-supply tube having its end reduced in diameter and thickness movable in said barrel and independent of said point-section.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ERNEST M. VAUGHAN.

Witnesses:

C. WINIFRED VAUGHAN,
R. H. JOHNSTON.