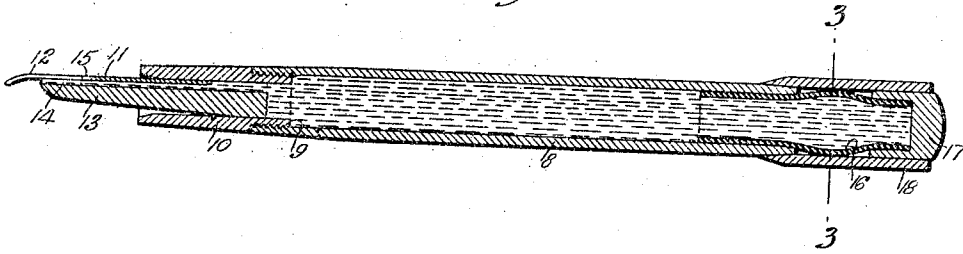


E. G. WOODY.  
FOUNTAIN PEN.  
APPLICATION FILED JUNE 25, 1918.

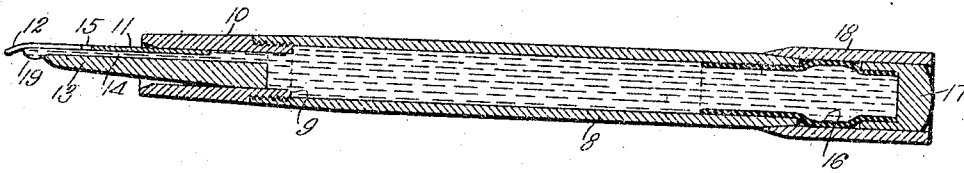
1,287,556.

Patented Dec. 10, 1918.

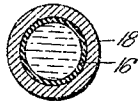
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

*Edw. Thorpe*  
*E. M. Mark*

INVENTOR  
*E. G. Woody*  
BY *Mumley*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

EDWARD GRAHAM WOODY, OF BROOKLYN, NEW YORK.

## FOUNTAIN-PEN.

1,287,556.

Specification of Letters Patent. Patented Dec. 10, 1918.

Application filed June 25, 1918. Serial No. 241,792.

*To all whom it may concern:*

Be it known that I, EDWARD G. WOODY, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Fountain-Pen, of which the following is a full, clear, and exact description.

Among the principal objects which the present invention has in view are: to provide means for moistening the nibs of a fountain pen; to avoid blotting of the ink at the beginning of the operation of writing; and to simplify and reduce the cost of construction.

### *Drawings.*

Figure 1 is a longitudinal section of a pen of the character mentioned constructed and arranged in accordance with the present invention, showing the inactive position thereof;

Fig. 2 is a similar view showing the active position thereof;

Fig. 3 is a cross section taken as on the line 3—3 in Fig. 1.

### *Description.*

As seen in the drawings, the handle is formed of an open-ended tube 8, one end of which is adapted to provide screw-threads for engaging the reduced end 9 of a pen section 10. The pen section 10 is provided with a pen 11, having spreading nibs 12, and with a feeding device 13, which conveys ink from the reservoir in the tube 8 to the pen under the nibs 12 thereof. The feeding device 13 is of a so-called duck-bill type and has a small channel 14.

With the usual pen, the end of the same and where the nibs are located, becomes dry or the ink if in the channel 14 becomes set. In this condition, the ink will not flow until the nibs are moistened. To do this, the pen is shaken to force the ink to flow to the end of the channel 14 and under the nibs 12, or to find an exit through the eye 15 of the pen. Disaster often attends this opera-

tion, owing to the fact that a globule of ink is too freely liberated and is then tossed from the pen to the floor, with the resulting damage to the carpet or other furnishings.

In the present invention, the difficulties above outlined are avoided by providing a compressible chamber which communicates with an ink reservoir or holder in the tube 8. The chamber referred to is constructed from an open-ended flexible tube 16, one end of which is permanently closed by a button 17, and the opposite end is cemented or otherwise permanently secured within the end of the tube 8. The tube 16 and chamber formed thereby are surrounded by a sleeve 18. The sleeve 18 is removably attached to the tube 8 and forms a guide for the button 17. When thus arranged, the ink held in the fountain pen is contained within the chamber formed by the tube 16.

When the point of the pen or nibs 12 become dry and require moistening preliminary to using the pen, the operator places his thumb on the button 17, when set as in its normal position as shown in Fig. 1. He now presses on top of the button 17 to move the same to the position shown in Fig. 2. The immediate result of this is that sufficient ink is forced through the channel 14 under the pen 11 to produce a globule such as indicated by the numeral 19 in Fig. 2, under the nibs 12 of the pen. The globule 19 having been thus ejected the button 17 is released to permit the tube 16 to return the same to its normal or inactive position where it protrudes slightly beyond the end of the sleeve 18. This action on the part of the button 17, and consequent expansion of the tube 16, serves to draw back the globule 19, sufficient of the same being left, however, to moisten the nibs 12.

While I have herein shown the invention as employing the tube 16, it will be understood that this feature of the construction may be varied, as by employing the button 17 only, provided with suitable packing to prevent the leakage of ink around the same. This and other means may be employed for forcing mechanically a small supply of ink

out of the barrel reservoir to the nibs of the pen point.

*Claim.*

5 A fountain pen embodying an open-ended rigid tubular body; a flexible tube extension therefor permanently connected therewith;

a rigid button permanently secured to the outer end of said flexible tube to seal the same; and a rigid tubular cover for infolding said flexible tube between the end of the body and button for providing a guide for said button.

EDWARD GRAHAM WOODY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."