

G. W. HEATH.
 FOUNTAIN PEN.
 APPLICATION FILED APR. 18, 1912.

1,056,539.

Patented Mar. 18, 1913.

Fig. 1.

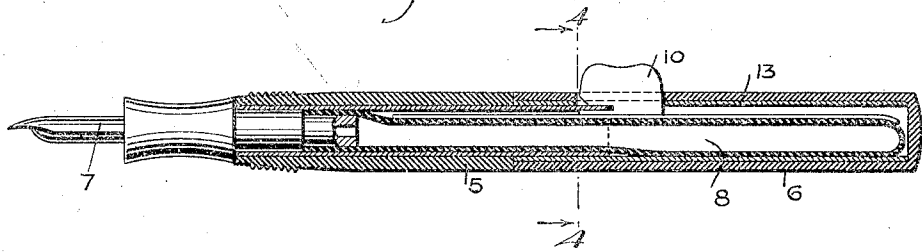


Fig. 2.

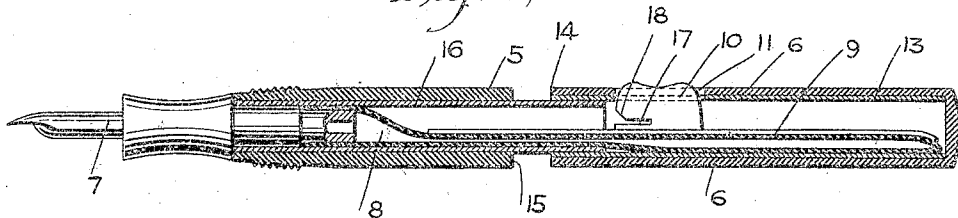


Fig. 3.

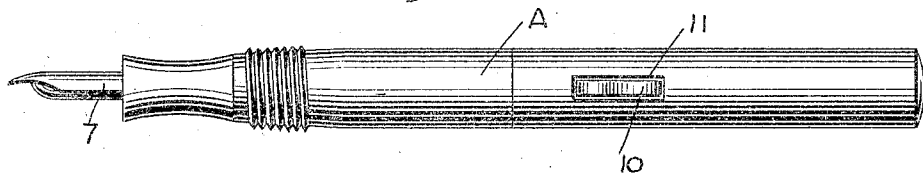
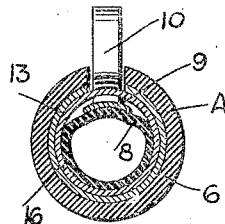


Fig. 4.



WITNESSES

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FOUNTAIN-PEN.

1,056,539.

Specification of Letters Patent.

Patented Mar. 18, 1913.

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To all whom it may concern:

Be it known that I, GEORGE W. HEATH, a citizen of the United States, and a resident of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Fountain-Pen, of which the following is a full, clear, and exact description.

My invention relates to self-filling fountain pens, and as is usual with devices of this character, the ink is contained in a collapsible tube or reservoir, which tube is depressed by a presser bar controlled by a button projecting through the wall of the pen holder. In devices of this character heretofore constructed, the accidental collapsing of the tube when unlocked has frequently caused the ejection of the ink from the reservoir. It happens with the old form of pen holders that when the presser bar is not in its entirely raised position and locked out of engagement with the reservoir, said presser bar ejects the ink when an attempt is made to reset the parts.

An object of my invention is to eliminate the possibility of accidentally collapsing the reservoir tube, and, at the same time, to provide a construction in which the presser bar is raised out of engagement with the flexible reservoir before the device can be set in its normal position and which is positively locked in this raised position.

I attain the above outlined object by constructing the pen barrel of telescoping parts, one of which parts is adapted to engage an inclined slot in the finger to release the presser bar from engagement with the flexible reservoir.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a side elevation of a preferred embodiment of my invention with the barrel portion shown in vertical section, and showing the parts in normal closed position; Fig. 2 is a view similar to Fig. 1 but showing the parts in position to fill the reservoir; Fig. 3 is a plan view looking down upon the device shown in Fig. 1; and Fig. 4 is a transverse sectional view taken centrally through the pen and on the line 4—4 of Fig. 1, looking in the direction indicated by the arrow.

Described more in detail, I have shown a

cylindrical barrel A comprising two portions 5 and 6, the portion 5 carrying at the outer end thereof, the usual pen point and feeder 7. As is usual with devices of this character, the ink is contained within a flexible tube or reservoir 8 extending substantially the length of the barrel A and suitably attached to the point and feeder 7.

In order to fill the pen, the reservoir 8 is compressed by means of a presser bar 9 actuated through a finger button 10, which button preferably forms an integral part of the bar 9 and extends through an opening 11 in the portion 6 of the barrel, said opening being spaced from the adjacent telescoping end as is usual with devices of this character. The portion 6 preferably has a metal lining 13 in the form of a tube terminating at the inner edge 14 of the portion 6. Forming a lining for the portion 5 and extending beyond the inner edge 15 of this portion is a tube 16 telescoping within the tube 13 and of a length to engage a slot 17 in-cut from the adjacent edge of the button 10 when the parts 5 and 6 are fully collapsed, as shown in Fig. 1. By this construction, it is seen that the extended portion of the tube 16 affords a telescoping action between the portions 5 and 6. It is merely necessary to pull the portions 5 and 6 apart, as shown in Fig. 2, which action eliminates the cumbersome unscrewing of the parts as in the old form of self-filling fountain pens. The outer upper edge of the slot 17 is beveled outward as shown at 18, so as to permit the finger 10 to ride up on the outer edge of the tube 16, thereby insuring the withdrawal of the presser bar 9 out of pressing engagement with the reservoir 8 and positively so holding it by virtue of the portion of said slot parallel to the axis of the barrel.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

A self-filling fountain pen comprising a two-part barrel, one part of said barrel including a metal lining projecting from one end thereof, the other part of the barrel telescoping upon said metal projection and having an opening adjacent the end of said projection, a collapsible reservoir within the barrel, a presser bar adapted to collapse the reservoir, and a button connected to said bar and extending therefrom outwardly through

said opening, said button having therein a slot normally alining with said metal end projection and adapted to receive the same, when the barrel parts are telescoped, whereby the reservoir cannot be collapsed accidentally.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses,

GEORGE W. HEATH.

Witnesses:

W. S. ORTON,
JOHN P. DAVIS.