

G. B. ELLIOTT.
PENHOLDER AND PEN THEREFOR.
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970,315.

Patented Sept. 13, 1910.

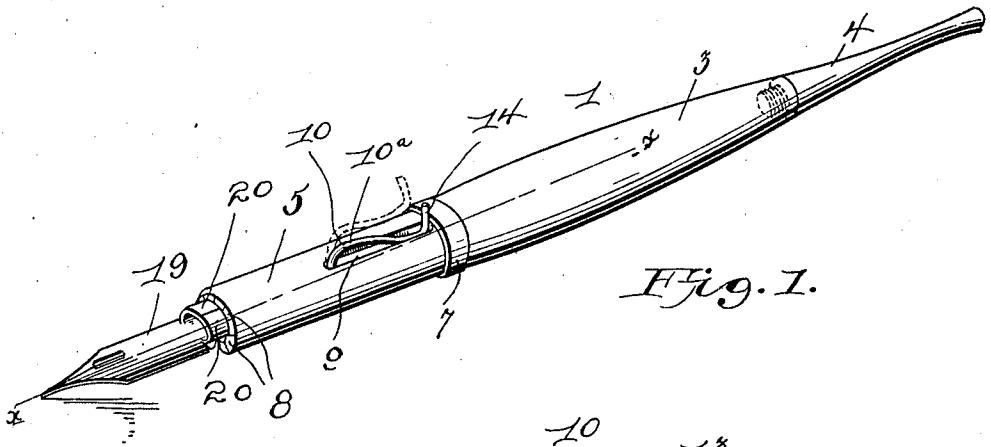


Fig. 1.

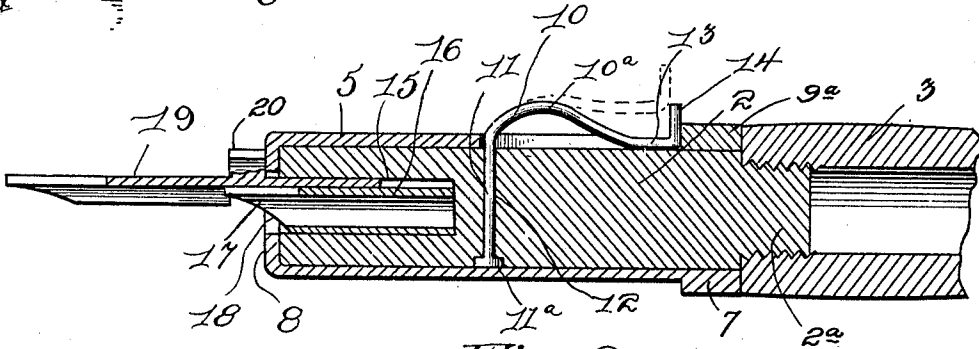


Fig. 2.

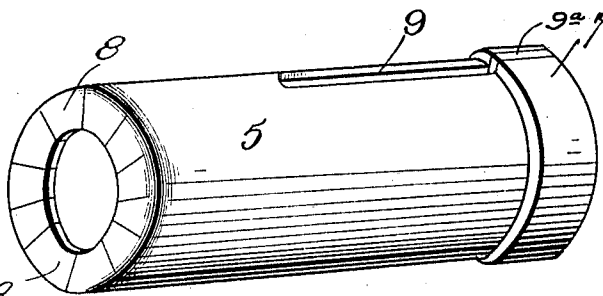


Fig. 3.

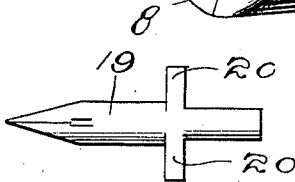


Fig. 4.

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PENHOLDER AND PEN THEREFOR.

970,315.

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To all whom it may concern:

Be it known that I, GRAHAM B. ELLIOTT, a citizen of the United States, residing at Barton, in the county of Orleans and State of Vermont, have invented certain new and useful Improvements in Penholders and Pens Therefor, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in pen holders and pens therefor, and has for its object to produce a pen holder, from which the pen can be ejected quickly, and without soiling the fingers.

Other objects and advantages of my invention will appear in the course of the following specification.

In the drawings: Figure 1 is a perspective view of my improved pen holder and pen therefor. Fig. 2 is a longitudinal sectional view (enlarged) taken on line $x-x$ of Fig. 1, the end of the pen holder being broken off. Fig. 3 is a perspective view (enlarged) of the ferrule. Fig. 4 is a view of my pen with the lugs in a horizontal or unfolded position.

Referring to the drawings, which illustrate the preferred embodiment of my invention, 1 designates the penholder, which is preferably formed in three sections 2, 3 and 4. The middle section 3, which is of a reduced diameter at its outer end, is formed hollow and internally threaded at each end. Section 2, which is of less diameter than the larger end of section 3, is of uniform diameter throughout its length, except at one end 2^a, which is reduced and threaded. The threaded end 2^a is screwed into the inner or larger end of middle section 3, and section 4 hereinbefore referred to is screwed into the outer or reduced end of middle section 3.

Slidably mounted on section 2 is an elongated cap 5, one end of which is provided with an enlarged circular portion or shoulder 7, while its other end is bent over at substantially right angles to form a circular depending or overhanging flange 8 having a central circular opening or aperture therein. The elongated cap is provided with a longitudinal slot 9, which extends from about the center of the cap to the front edge of the circular shoulder 7.

A locking spring 10, provided with a vertical portion 11, is pivotally mounted in a perforation 12 in section 2. The vertical portion 11 is provided with an enlarged

head 11^a, which is countersunk in the underside of section 2. The locking spring extends up through the slot 9 in the elongated cap 5 and is curved or bent over, as at 10^a, to a short horizontal portion 13, which is adapted to lie in the same plane with and rest on top of section 2. The horizontal portion 13 is provided with or terminates in an upstanding grip portion 14. The locking spring 10 may be straight, before being bent into the shape shown in the drawings, and is inserted in the perforation 12 in section 2 until the head 11^a enters the countersink in which it fits, when the elongated cap 5 can be pushed forward over section 2, the locking spring 10 entering the slot 9 which has an open end 9^a through the circular shoulder 7. The opening 9^a in the end of slot 9 through the shoulder 7 is afterward closed by filling the opening with solder or in any suitable manner, as desired.

The free end of section 2 is provided with a centrally located circular socket 15, the circumference of which registers with or is substantially in alinement with the circumference of the aperture in the flange 8 at the end of the elongated cap 5. Positioned in the socket 15 is a cylindrical, metal tube or pen support 16 which is slotted at its upper side, as at 17, for a portion of its length and is beveled on its under side, as at 18. As shown, the beveled end of the pen support 16 normally projects outside of the flange 8.

In Fig. 4, I have shown my improved pen 19, which is, preferably, formed with lugs 20, one on each side, which lugs are turned or folded over, as shown in Figs. 1 and 2 for a purpose to be hereinafter described. The pen 19 is adapted to have its end secured between the side of the socket 15 and the top of the pen support 16 which constitutes pen securing means, as shown in Fig. 2, and the pen is designed to be pushed in until the lugs 20 contact with the depending flange 8 of the elongated cap. When it is wished to remove the pen 19 for any reason, as to replace it with a new one or the like, the locking spring 10 can be raised from its position in the slot 9 and moved to one side, and then the elongated cap 5 can be pushed forward with the result that the pen 19 will be ejected from the penholder. As illustrated in the drawings, the normal position of the elongated cap 5 is as shown in Figs. 1 and 2, with the shoul-

der 7 abutting the larger end of middle section 3 and the overhanging flange 8 abutting the end of section 2.

What I claim is:

5 1. In a device of the character described, a penholder provided with pen securing means, a longitudinally movable cap mounted on said penholder, an overhanging flange carried by said cap and positioned above
10 said pen securing means, said overhanging flange being adapted to abut the end of said penholder, and a pen provided with a lateral projection adapted to be positioned in front of said overhanging flange whereby
15 when said cap is moved longitudinally forward of said penholder, said overhanging flange will contact with said projection to eject said pen.

2. In a device of the character described,
20 a penholder provided with a socket, a pen support positioned in said socket, a longitudinally movable cap mounted on said penholder, an overhanging flange carried by said cap and adapted to abut the end of said
25 penholder, the bottom of said overhanging flange being substantially in alinement with the side wall of the socket in said penholder, and means for normally holding said cap in a fixed position.

30 3. In a device of the character described, a penholder provided with pen securing

means, a longitudinally movable cap mounted on said penholder, said cap being provided with a slot, a suitably supported arm projected through the slot in said cap, and
35 an overhanging extension carried by said arm and adapted to normally engage a portion of the wall of said slot to hold said cap in a fixed position whereby when said
40 extension is moved to disengage it from the wall of said slot, said cap can be moved longitudinally of said penholder.

4. In a device of the character described, a penholder provided with a central socket, an elongated cap, with a shoulder on its
45 rear end, movable lengthwise on said penholder, and having a slot in one side and a central opening substantially in alinement with said central socket, a pen support comprising a tube located in said socket and
50 having a beveled outer end projecting through the central opening in said elongated cap, and a pivoted spring arm carried by the penholder and projecting through the slot in said elongated cap and
55 engaging the shoulder thereof.

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

GRAHAM B. ELLIOTT.

Witnesses:

W. W. RINDEN,
S. C. CURRIER.