

E. V. NELSON.
PEN POINT RELEASER.
APPLICATION FILED JUNE 25, 1912.

1,054,931.

Patented Mar. 4, 1913.

FIG. 1.

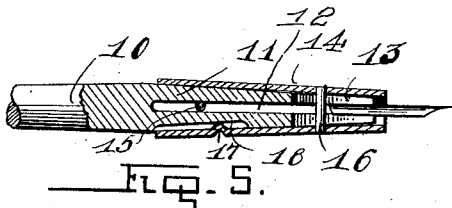
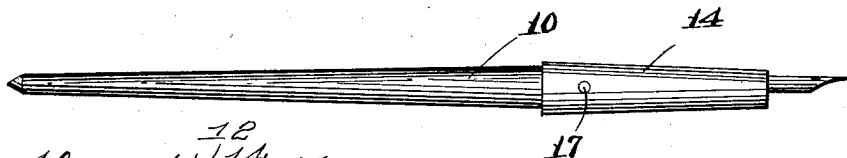


FIG. 6.

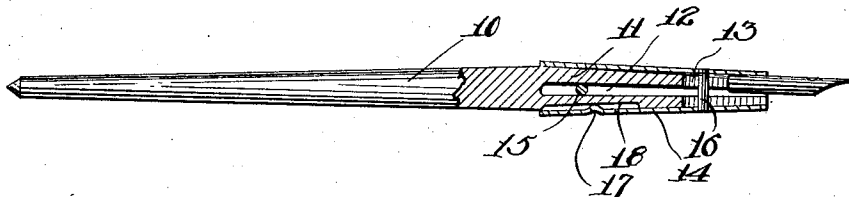


FIG. 3.

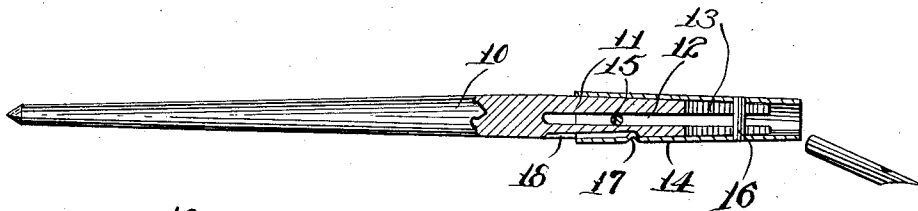
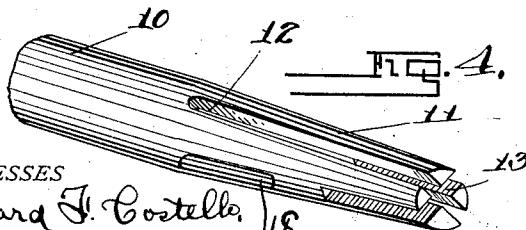


FIG. 4.



WITNESSES

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PEN-POINT RELEASER.

1,054,931.

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To all whom it may concern:

Be it known that I, EMIL V. NELSON, a citizen of the United States, residing at Scandia, in the county of Republic and State of Kansas, have invented certain new and useful Improvements in Pen-Point Releasers, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to pen holders of the self ejecting type, and the principal object of the invention is to provide a pen holder in which the sleeve is slidably mounted upon the end of the holder so that the pen point may be ejected from the holder without it being necessary to touch the pen point with the hand.

15 Another object of the invention is the production of an improved type of means for holding the sleeve in place, thus preventing rotary motion, and also to limit the longitudinal movement of the sleeve.

This invention is illustrated in the accompanying drawing, wherein:

25 Figure 1 is a side elevation of the pen holder. Fig. 2 is a view showing the forward end of the pen holder in section. Fig. 3 is a view similar to Fig. 2, with the sleeve moved to a position to affect the pen. Fig. 4 is a perspective view of the forward end of the handle of the pen holder. Fig. 5 is a view similar to Fig. 2, showing a modified manner of holding the pen point in the pen holder.

35 Referring to the accompanying drawings, it will be seen that the invention comprises a handle 10, which is provided with a tapered forward end portion 11 having the longitudinally extending slots 12 and 13 formed therein. The slot 12 extends for approximately the full length of the tapered portion of the handle, and the slot 13 is cut at right angles to the slot 12 and extends for approximately one-half the length of the tapered portion of the handle.

45 The tapered sleeve 14 is mounted upon the tapered end of the handle and pins 15 and 16 extend through the sleeve and through the slots 12 and 13 respectively. These pins prevent rotary motion of the sleeve and the pin 16 also acts as means for driving the pen point out of the pen holder. A portion of the sleeve is driven inwardly to form the point 17, which fits in a groove 18 so that the longitudinal movement of the sleeve is limited.

When using this device, the sleeve is placed in the position shown in Fig. 2, and the pen point is inserted between the end of the sleeve and the fingers formed by the slots 12 and 13, and the pen holder is then in condition for use. After the pen has been broken or worn out, the sleeve is moved forwardly to the position shown in Fig. 3, and this causes the pin 16 to come in contact with the inner end of the pen point, thus driving the point out. The pins 15 and 16 prevent the sleeve from turning upon the handle, and the pin 16 acts as a means for driving the pen point out. It will, therefore, be seen that the same means for preventing rotary motion of the sleeve acts as the means for driving the point out. It will also be seen that these pins act as guiding means when moving the sleeve longitudinally upon the handle, and that the point 17 which fits in the groove 18 prevents the sleeve from being moved along the handle beyond a desired point.

60 If desired, the pen point may be inserted in the slot 12 between the tongues at the outer end of the handle. When in this position the tongues will be drawn together when the sleeve 14 is moved to the position shown in Fig. 2 thereby clamping the pen in place. When the sleeve is moved to the position shown in Fig. 3, the pin 15 will spread the tongues apart thus releasing the pen point, and the pin 16 will push the pen point out from between the tongues thus permitting the pen point to drop out as shown in Fig. 3.

What is claimed is:—

1. A pen holder comprising a handle having a tapered forward end provided with relatively long and short slits and with a longitudinally extending groove, the long slit extending approximately the full length of the tapered portion of the handle, and the short slit being made at right angles to the long slit and extending approximately one-half the length of the tapered portion of the handle, a sleeve mounted upon the tapered portion of the handle and having one portion extending inwardly to form a point moving in the longitudinally extending groove formed in said handle to limit the longitudinal movement of the sleeve, and pins carried by said sleeve and extending through said slits to prevent rotary motion of the sleeve and to act as means for driving a pen point from said pen holder.

2. A pen holder comprising a handle provided with longitudinally extending slots positioned at substantially right angles to each other to form tongues at the end of
5 said handle, a tapered sleeve mounted upon said handle and adapted to bring said tongues together when moved to a position to clamp the pen point in one of said slots, a pin passing through said last mentioned
10 slot and having its end portions secured to said sleeve whereby said tongues will be spread apart to release said pen point when
said sleeve is moved toward the end of said handle, and a second pin carried by said sleeve and passing through the remaining 15 slot and adapted to engage the inner end of the pen point to push the same out of the first mentioned slot.

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

EMIL V. NELSON.

Witnesses:

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