

J. ALTMAN.
PENHOLDER.
APPLICATION FILED OCT. 1, 1908.

937,747.

Patented Oct. 26, 1909.

Fig. 1.

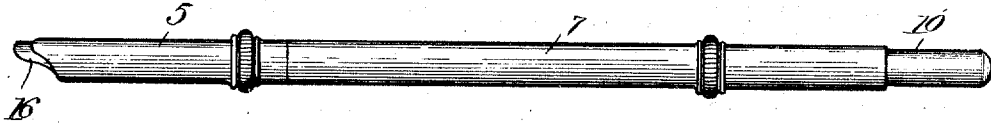


Fig. 2.

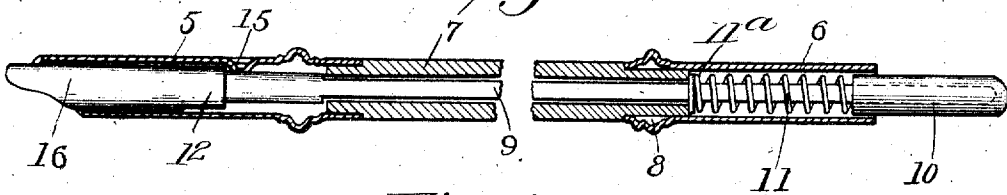


Fig. 4.

Fig. 5.

Fig. 3.

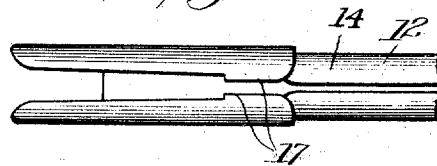
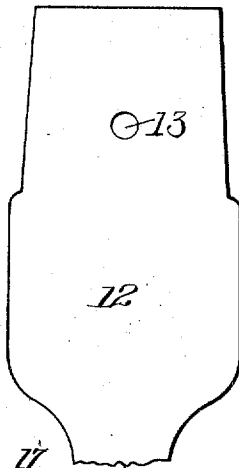


Fig. 7.

Fig. 6.

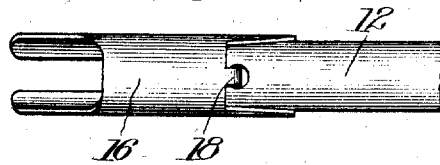
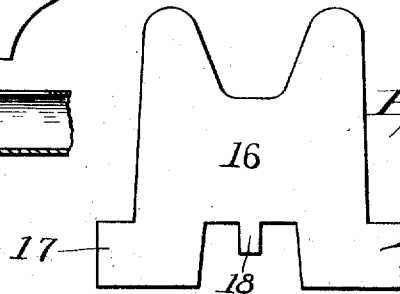
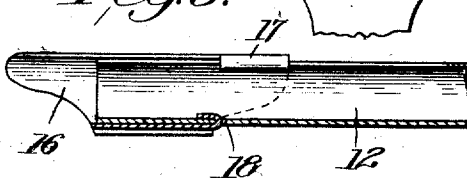


Fig. 8.

Fig. 9.



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UNITED STATES PATENT OFFICE.

JOSEPH ALTMAN, OF SPOKANE, WASHINGTON.

PENHOLDER.

937,747.

Specification of Letters Patent.

Patented Oct. 26, 1909.

Application filed October 1, 1908. Serial No. 455,769.

To all whom it may concern:

Be it known that I, JOSEPH ALTMAN, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Penholders, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to pen holders, and one of the objects thereof is to provide means for automatically discharging the pen from the holder when the occasion so requires.

Another object of the invention is to provide simple and effective means for automatically discharging a pen in such a manner as to avoid any possibility of the pen coming in contact with the hands of the user.

With these and other objects in view, the preferred embodiment of my invention resides in that construction and arrangement of parts hereinafter described, illustrated in the accompanying drawings, and embraced within the scope of the appended claims.

In said drawings:—Figure I is an elevation of a pen holder embodying my invention, and Fig. II is a longitudinal section thereof. Fig. III is a front end elevation of the pen. Fig. IV is a view of the blank of one terminal of the "pusher rod". Fig. V is a top plan view of the pen releasing device and a portion of the "pusher rod", and Fig. VI is a bottom plan view thereof. Fig. VII is a transverse sectional view of the "pusher rod" terminal and the pen releasing member, and Fig. VIII is a longitudinal section thereof, and Fig. IX is a view of the blank utilized in forming the releasing member.

I preferably employ a sheath or case comprising metallic end sections (5) and (6) and the intermediate wooden section (7), the latter being terminally rabbeted, as at 8, and secured to the former sections. Disposed longitudinally within this organization is a "pusher rod" (9), having the enlarged extremal portion (10), soldered or otherwise secured thereto, and a coil spring (11) interposed between the base of said portion and the rabbeted terminal of the tubular member (7) of the sheath, at which latter point I, preferably, employ a washer (11*). The other end (12) of the "pusher rod" is originally in the form of a blank,

as disclosed by Fig. IV of the accompanying drawings, and provided with an aperture (13) medially thereof, the same, before its incorporation within the sheath, being flexed to assume a cylindrical contour. Furthermore, the proximal end of the "pusher rod" is longitudinally slotted, as at 14, the said slot being designed for engagement with the depending, integrally formed portion (15) of the section (5), constituting a portion of the sheath. The function of this slot and projection (15) is obviously to insure a perfect guidance of the plunger rod and its appurtenances. The pen releasing device (16) also comprises a blank, as exhibited in Fig. IX of the drawings, the same being equipped with the oppositely disposed lateral projections (17) and the centrally arranged extension (18), the former projections being designed for engagement with the terminal portion of the "pusher rod" (9), and the latter for engagement with the aperture (13) thereof, when the releasing member (16) has been bent in the form shown in Figs. V and VI of the drawings.

In operation, the pen is securely held between the section (5) and the releasing terminal (16), and when it is desired to remove the pen it is only necessary to exert a slight pressure on the enlarged terminal (10) of the "pusher rod", which operation causes the releasing member (16) to move outwardly beyond the position which is at present maintained in the various figures of the drawing, thus readily discharging the pen.

I consider my invention to be a marked improvement over analogous devices, especially in view of the fact that when the pen becomes corroded from frequent and continued use in extracting the same no contact with the fingers is required. Furthermore, the actuation of the device is positive and effective and there is little, if any, danger of its component parts becoming deranged.

It will be seen from the foregoing that the plunger rod 9 and pen ejector 16 being formed of sheet metal rolled into tubular forms greatly cheapens their cost, owing to the fact that they can be readily blanked out by a punching and shaping machine. It will also be understood that the slot in the rod 9 provides a simple and highly efficient means whereby the longitudinal move-

ment of said rod may be guided by the inwardly projecting lug 15 of the sheath 5, and further, said slot permits the projections 17 of the pen ejector to have an interlocking engagement with said rod 9 at its slotted side, which supplemented by the interlocking engagements between the extensions 18 and aperture 13, provides a strong connection between said rod and ejector on opposite sides thereof.

What I claim is:—

1. In a pen holder, the combination with the body, of a tubular plunger rod therein provided with a slot on one side and an opening on its other side, and a pen ejector surrounding one end of said rod and having an interlocking engagement with the slot and opening.

2. In a pen holder, the combination with the body, of a tubular plunger rod therein provided with a longitudinally arranged side slot and an oppositely disposed open-

ing, and a pen ejector surrounding one end of said rod and provided with oppositely disposed extensions for engagement with said slot, and an end extension for engagement with said opening.

3. In a pen holder, the combination with the body, of a plunger rod therein formed of sheet metal rolled into tubular form and provided with a longitudinal side slot and an oppositely disposed opening and having one end enlarged, and a pen ejector also formed of sheet metal rolled into tubular form and provided with extensions, said ejector surrounding the enlarged end of said rod and having its extensions engaging with the slot and opening formed therein.

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

JOSEPH ALTMAN.

Witnesses:

ANTON ALTMAN,

WM. B. NIEDERMEYER.