

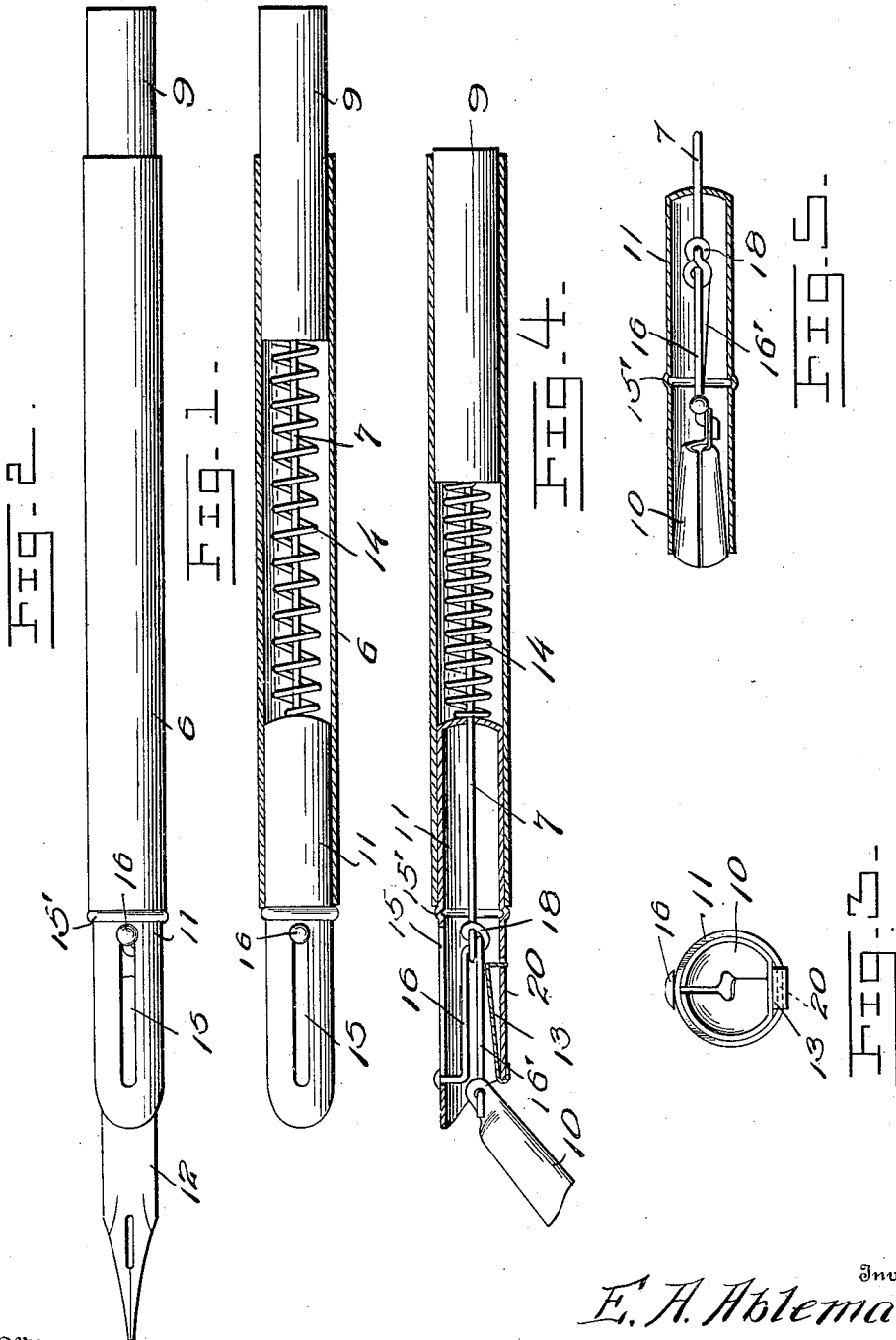
E. A. ABLEMAN.

PENHOLDER.

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991,813.

Patented May 9, 1911.



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UNITED STATES PATENT OFFICE.

EPHRAIM A. ABLEMAN, OF GHEEN, MINNESOTA.

PENHOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EPHRAIM A. ABLEMAN, a citizen of the United States, residing at Gheen, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Penholders, of which the following is a specification.

My invention relates to pen holders, more particularly to pen ejecting holders, and it has for its object to overcome all the disadvantages experienced in the old pen, such as the pen becoming cemented in the device by corrosion; the dirtying of the hand during the removal of an old or broken pen, and the holding of the pen firmly in the holder.

With these and other objects in view, the present invention consists in the combination and arrangement of parts as will be hereinafter more fully described and particularly pointed out in the appended claim, it being understood that changes in the specific structure shown and described may be made within the scope of the claim without departing from the spirit of the invention.

In the drawings which form a part of this specification and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a top plan view of the ejecting stem or rod, showing the ejector, the retaining plug and attachments. Fig. 2 is a similar view of the pen assembled. Fig. 3 is a front end view of the ejector, showing the flattened surface. Fig. 4 is a longitudinal cross section of the device in elevation showing the position of the parts after an ejection. Fig. 5 is a top plan view of headed guide arm for the ejection stem or rod, showing attaching construction.

Referring more particularly to the drawings 6 indicates the hollow case or main body of the holder, in which the actuating mechanism is held. Extending longitudinally in said case is the wire ejecting stem or rod 7, adapted to be actuated therein by the operating member or button 9, attached at the upper end thereof and resting partially in said case. Attached to the lower end of, and operated by the ejecting stem or rod 7 is the conically formed ejector 10, movable longitudinally in the thimble-shaped retaining plug 11 which extends partially out of said case, said ejector holding the pen 12 firmly between itself and the retaining plug by the pressure of a leaf or bar spring 13, located on the inner lower

surface of the retaining plug, and bearing against a flattened surface portion 20 on the lower side of the ejector. The member 11 is formed with a circumferential bead 15' to engage the edge of the stock and limit the inward movement thereof. The ejector is held in its retentive position, by the coil spring 14 located on the ejecting stem or rod between the retaining plug and the operating member or button 9. This spring keeps the conical ejector wedged tightly in the retaining plug and in combination with the leaf or bar spring 13 overcomes the difficulty of a loosely fitting pen. In a slot 15 located in the upper surface of the extended portion of the retaining plug operates longitudinally a headed guide arm 16 for the ejecting stem or rod 7, preventing the internal mechanism from shifting from its normal position. Though the integral loop 18 formed on the ejecting stem or rod, the inner end of this headed guide is passed and formed into an eight knot, around the rod, by which it is thus securely fastened in place.

The ejector plug 10 is secured to the member 16 by means of a link 16' so that said plug may drop loosely when forced out of the member 11 to permit the release of the nib 12.

From the foregoing it will be understood, that should it be desired to remove the pen 12, the operating member 9 is pressed thus compressing the coil spring 14, the ejecting rod 7 forcing the ejector from engagement with the leaf or bar spring 13 and in consequence thereof the pen is dropped out. In this manner all necessity for contact between the hands and the pen is eliminated.

It will be understood that if desired any other form of connection than that of the eight knot described above may be used for the connection of the ejecting rod to the headed guide piece.

What is claimed is:

A pen holder comprising a hollow opening at both ends, a plug slidable in one end of said stock, a hollow member removably disposed in the opposite end of the stock, said removable member having a central circumferentially arranged bead and a longitudinally arranged slot, said slotted portion extending beyond said stock, said removable member having an inner inclosed wall provided with a central opening, a rod secured to said plug and extending through the

opening of said wall, said rod having an upwardly extending portion at its free end and extending through said slot, a pen retaining plug connected to said rod by means
5 of a link, a coil spring disposed around said rod and between said plug and said wall, and a spring in said removable hollow member for frictional engagement with said pen-

holding plug to force said plug into engagement with a pen.

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

EPHRAIM A. ABLEMAN.

Witnesses:

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