

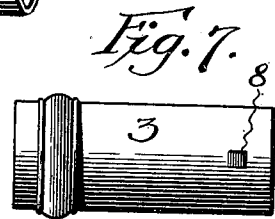
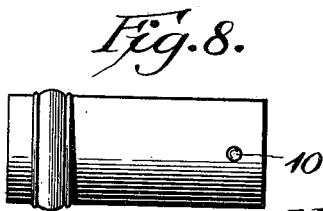
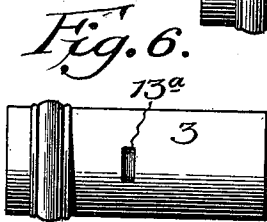
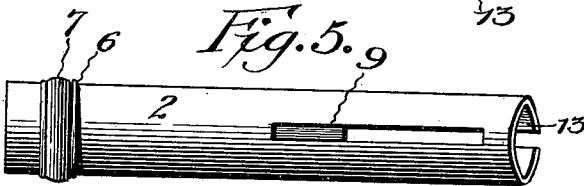
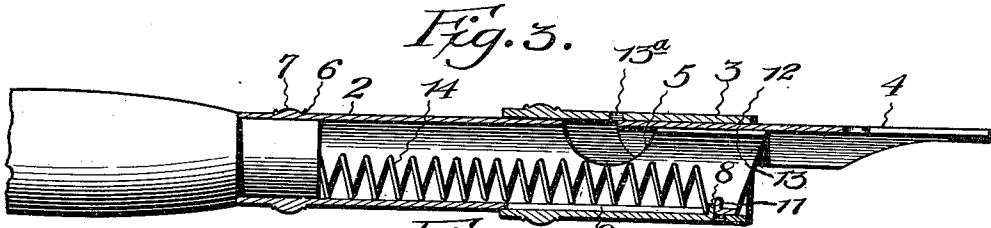
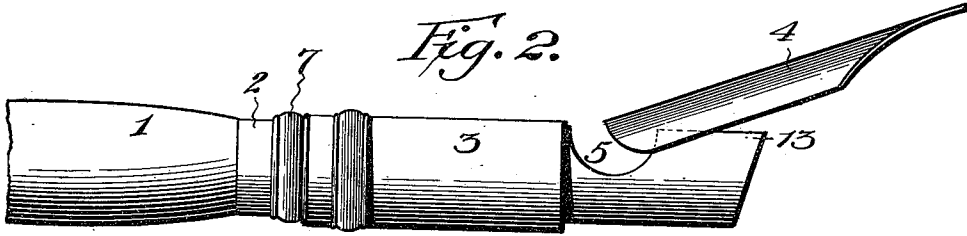
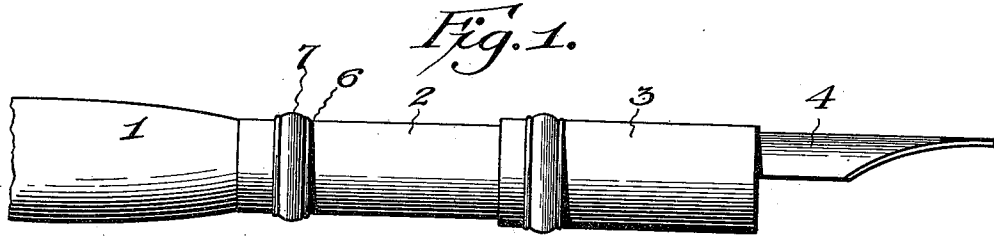
No. 615,125.

Patented Nov. 29, 1898.

W. J. ALLEN.
AUTOMATIC PEN EJECTING PENHOLDER.

(Application filed Apr. 18, 1898.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM J. ALLEN, OF WEST SUPERIOR, WISCONSIN.

AUTOMATIC PEN-EJECTING PENHOLDER.

SPECIFICATION forming part of Letters Patent No. 615,125, dated November 29, 1898.

Application filed April 18, 1898. Serial No. 678,030. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. ALLEN, a citizen of the United States, residing at West Superior, in the county of Douglas and State of Wisconsin, have invented a new and useful Automatic Pen-Ejecting Penholder, of which the following is a specification.

The invention relates to improvements in penholders.

The object of the present invention is to improve the construction of penholders and to provide a simple and inexpensive one capable of automatically ejecting a pen, whereby a pen, after it has been used, may be conveniently removed from the holder without the fingers of the user coming in contact with it.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is an elevation of a portion of a penholder constructed in accordance with this invention and illustrating the manner of supporting a pen. Fig. 2 is a similar view illustrating the manner of ejecting a pen. Fig. 3 is a longitudinal sectional view, the parts being arranged as shown in Fig. 1. Figs. 4 and 5 are detail views of the ferrule or stationary sleeve. Figs. 6, 7, and 8 are detail views of the sliding sleeve.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a pen-stock constructed of wood or any other suitable material and provided with a stationary sleeve or ferrule 2, which forms a support for a sliding sleeve 3, and a pen 4 of the ordinary construction is adapted to have its shank inserted between the stationary ferrule and the sliding sleeve, whereby the pen is applied to the penholder. In order to enable a pen, after it has been used, to be readily removed from the holder without the fingers of the user coming in contact with it and being soiled, the stationary sleeve or ferrule is provided at its upper side with a recess 5, formed by cutting away the ferrule, as shown, at a point between its ends. The recess 5 is preferably concave, the side edges being curved, as shown, and it is ar-

ranged beneath the inner end or heel of the pen, and when the sliding sleeve is moved inward to the position illustrated in Fig. 2 of the accompanying drawings it is withdrawn entirely from the pen, which is automatically released and ejected and does not have to be handled by the user in removing it. The opening 5, which may be of any desired configuration, is of sufficient size to permit the inner end of the pen to be depressed.

The sleeve 3, which slides longitudinally of the ferrule 2, has its inward movement limited by an annular shoulder 6, formed by a raised portion or collar 7 of the ferrule 2, and the outward movement of the sliding sleeve is limited by a projection 8, extending upward or inward from the lower side of the sliding sleeve and arranged in a longitudinal slot 9 of the ferrule. The projection 8 may consist of a tongue, as illustrated in Fig. 7 of the accompanying drawings, or it may be formed by a protuberance 10. The metal of the sleeve 3 is cut to form the tongue before the sleeve is placed on the ferrule 2; but the protuberance 10 is formed by indenting or perforating the sleeve after it has been placed on the ferrule, and the projecting portion is adapted to contact with the ferrule 2 at the outer end of the slot 9. The ferrule 2 is preferably provided with a flange 11, arranged at the outer end of the slot 9 and extending inward, as clearly shown in Fig. 3 of the accompanying drawings.

The top portion of the ferrule 2 is provided beyond the opening or recess 5 with a slot 12, which forms a pair of resilient wings 13, and the latter are adapted to support the pen, which is interposed between the wings and the sliding sleeve when the latter is at the outer end of the ferrule.

The sliding sleeve is provided at its upper portion with a transverse slot 13, to form a guide in introducing a pen into the holder so that the pen will not be inserted too far and interfere with the operation of the device.

The sliding sleeve may be retained in its extended position at the outer end of the ferrule 2 by a spiral spring 14, which is housed within the said ferrule 2, with its inner end bearing against the stock of the penholder and its outer end connected with the sliding sleeve. Any suitable means may be em-

ployed for connecting the outer end of the spiral spring with the sliding sleeve, and after the latter has been moved inward to eject a pen it will be returned to its normal position 5 by the spiral spring as soon as it is released by the operator.

The invention has the following advantages:

10 The penholder, which is simple and comparatively inexpensive in construction, is capable of convenient operation, and it is adapted to enable a pen after the same has been used to be readily ejected without the fingers of the operator coming in contact with 15 the pen and becoming soiled.

The penholder is adapted to receive any ordinary pen, and the sliding sleeve which holds the pen on the wings is retained on the ferrule, and it is automatically returned to its 20 initial position after it has been moved longitudinally of the ferrule to eject a pen.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrific- 25 ing any of the advantages of this invention.

Having thus fully described the invention, what is claimed as new is—

1. A penholder comprising a stock having a sleeve or ferrule provided with an opening 30 or recess and having a pen-receiving portion in advance of the same, whereby the inner end of the shank of the pen is adapted to extend over the opening or recess, the latter being of sufficient size to permit the inner 35 end of the pen to be depressed and a sliding sleeve mounted on the stationary sleeve or ferrule and normally extending over the pen-receiving portion of the same, said sliding sleeve being adapted to be withdrawn from 40 over the pen to eject the latter, substantially as described.

2. A penholder comprising a stationary sleeve or ferrule provided at the top with a 45 recess or opening of sufficient size to permit the inner end of a pen to be depressed and

having pen-receiving portions in advance of the same, said sleeve or ferrule being provided with a longitudinal slot, and a sliding sleeve arranged on the stationary sleeve or ferrule, adapted to extend over the pen-re- 50 ceiving portions and provided with a projection arranged in the said slot to limit the movement of the sliding sleeve, substantially as described.

3. A penholder comprising a stationary 55 sleeve or ferrule having a recess or opening of sufficient size to permit the inner end of a pen to be depressed and slotted in advance of the recess or opening to form pen-supporting wings, and a sliding sleeve arranged on 60 the stationary sleeve or ferrule and normally disposed over the wings, substantially as described.

4. A penholder comprising a stock, a ferrule secured to the stock, provided with a 65 collar or enlargement and having a recess or opening, of sufficient size to permit the inner end of a pen to be depressed said ferrule being adapted to receive a pen in advance of the recess or opening, a sliding sleeve ar- 70 ranged on the ferrule and provided with a slot 13 and having its inward movement limited by the collar or enlargement, and means for limiting the outward movement of the sliding sleeve, substantially as described. 75

5. A penholder comprising a stationary ferrule, a sliding sleeve arranged on the exterior of the ferrule, said sliding sleeve being adapted to receive a pen between it and the ferrule, and a spiral spring housed within the 80 ferrule and connected with the exterior sliding sleeve to hold the same normally extended, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 85 the presence of two witnesses.

WILLIAM J. ALLEN.

Witnesses:

RALPH C. POPE,
LULA J. WILLIAMS.