

(No Model.)

F. DOBSON.
PEN EJECTOR.

No. 574,863.

Patented Jan. 5, 1897.

Fig. 1.

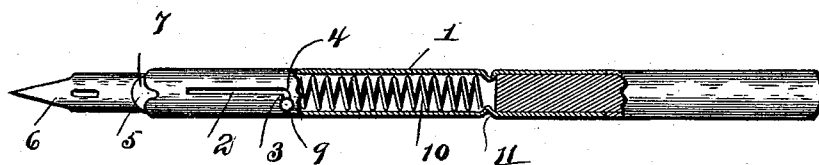


Fig. 2.

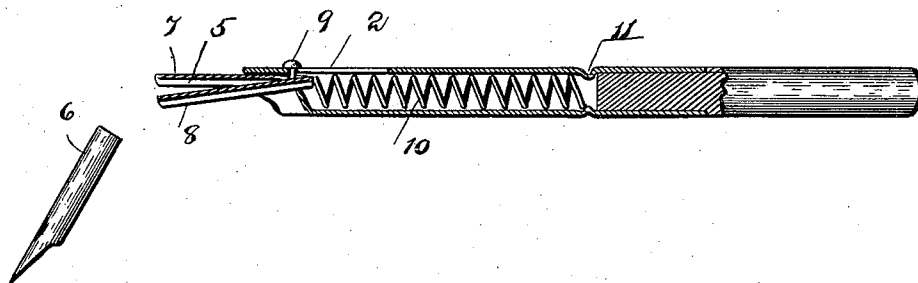
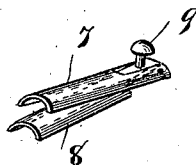


Fig. 3.



WITNESSES

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FREDERICK DOBSON, OF SANFORD, MAINE, ASSIGNOR OF ONE-HALF TO
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PEN-EJECTOR.

SPECIFICATION forming part of Letters Patent No. 574,863, dated January 5, 1897.

Application filed August 4, 1896. Serial No. 601,649. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK DOBSON, a subject of the Queen of Great Britain, residing at Sanford, in the county of York and State of Maine, have invented certain new and useful Improvements in Pen-Ejectors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in penholders, the same residing particularly in pen-ejecting mechanism connected therewith.

The object of the invention is to provide means whereby a pen-point may be readily inserted into a holder and may be quickly and conveniently ejected therefrom without the necessity of handling the dirty pen-point with the fingers.

The invention consists of a penholder having a movable clamp for holding the pen-point therein made up of two parts pivoted to each other at their rear ends, means for holding said clamp within said holder, and a spring for forcing the same outwardly.

The invention also consists in other details of construction and combinations of parts which will be hereinafter more fully described and claimed.

In the drawings forming part of this specification, Figure 1 represents an elevation of my improved penholder, the rear end thereof being broken away to show the spring on the inside. Fig. 2 is a similar view taken at right angles to Fig. 1 and showing the same in the act of ejecting the pen-point. Fig. 3 is a perspective view of the clamp.

Like reference-numerals indicate like parts in the different views.

The holder 1 is tubular in shape and is adapted to receive the handle at its rear end. Through its upper side extends an elongated slot 2, having a lateral extension 3 at its rear end, forming a shoulder 4. 5 represents a clamp for holding the pen-point 6, the same being made of two half-round strips 7 8 of metal pivoted at their rear ends or formed integral one with the other. Attached to the rear end of the clamp 5 is a button or projec-

tion 9, which is adapted to slide within the slot 3, as clearly shown. Connected to the rear end of the clamp is a coil-spring 10, which abuts against an internal shoulder 11 at the rear end of the holder 1, the same being formed by a circumferential crimp or depression, as clearly shown.

The operation of my device is as follows: When it is desired to insert a pen-point in the holder, the clamp 5 is forced outwardly by means of the button 9 and the pen-point 6 inserted between the two strips constituting said clamp. The same is then forced rearwardly against the pressure of the spring 10 and locked in place by throwing the button 9 to one side, so that it engages the shoulder 4 at the end of the slot 2. When it is desired to eject the pen, it is merely necessary to push the button 9 in the opposite direction, when through the action of the spring 10 the clamp 5 will be thrown outwardly, causing the pen-point 6 to be disconnected therefrom. It will thus be seen that it is not necessary in order to remove the pen-point to touch the same with the fingers.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a penholder, of a movable clamp for holding a pen-point therein made up of two parts pivoted to each other at their rear ends, means for holding said clamp within said holder, and a spring for forcing the same outwardly, substantially as and for the purpose described.

2. The combination with a penholder, having an elongated slot therein with a lateral extension at its rear end forming a shoulder, of a movable clamp for holding a pen-point made up of two parts pivoted to each other at their rear ends, a pin or button secured to said clamp adapted to slide in said slot, and a spring engaging the rear end of said clamp, substantially as and for the purpose described.

3. The combination with a penholder, having an elongated slot therein with a lateral extension at its rear end forming a shoulder, of a clamp for holding a pen-point made up of a pair of half-round strips of metal con-

nected together at their rear ends, a pin or
button on said clamp projecting through the
slot in said holder and adapted to be brought
into engagement with the shoulder at the
5 rear end of said slot, and a spring for nor-
mally urging said clamp outwardly, substan-
tially as and for the purpose described.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

FREDERICK DOBSON.

Witnesses:

ARCHIE MCKECHNIE,

ALBERT WILLIAM HUNT.