

(No Model.)

J. DOYLE.
PEN HOLDER.

No. 249,230.

Patented Nov. 8, 1881.

Fig. 1

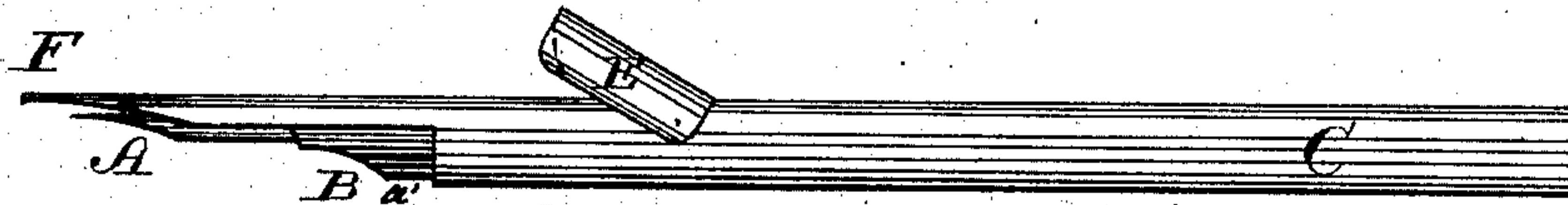


Fig. 2



Fig. 3

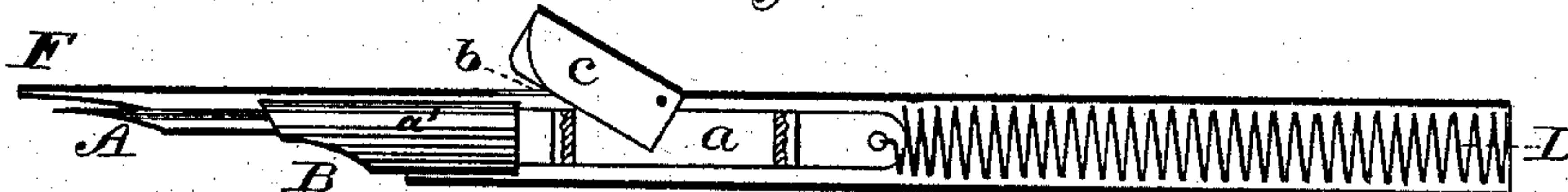


Fig. 4



Witnesses

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PEN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 249,230, dated November 8, 1881.

Application filed March 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN DOYLE, of Hoboken, in the county of Hudson and State of New Jersey, have invented certain Improvements in Pen-Holders for Writing, of which the following is a specification.

This invention is more especially designed for use with "gold pens," so termed; and its object is to prevent injury to the point of the pen in case the latter is dropped or otherwise roughly used.

To this end the invention embraces certain novel combinations of parts, whereby the desired object is effectually accomplished.

Figure 1 is a side view of a pen and holder, including my said invention; and Fig. 2 is a top view with a portion removed. Figs. 3 and 4 are longitudinal sectional views of the same in planes at right angles to each other.

A is the pen, made preferably of gold, and of intrinsic value and good workmanship, and attached by any suitable means—as, for example, a curved slot formed to receive the inner end or shank of the pen—to the outer end of a cylindrical slide, B, which is placed within a cylindrical holder, C. Extended from the inner end of this slide B to the opposite or outer end of the holder C is a spiral spring, D, which tends to draw inward the slide and consequently the pen. The opposite or outer end of the slide is elongated, as shown at *a'*, and constructed to receive the pen, as hereinbefore indicated. The slide has formed in it a longitudinal slot, *a*, and formed in the holder is a slot, *b*, coincident in position with the slot *a*.

Pivoted in suitable proximity to the slots *a* and *b* is a semi-cylindrical leaf, E, which is external to the holder, and is provided with a narrow longitudinal tongue, *c*, on its inner side, which said tongue projects through the slot *b* in the holder into and through the slot *a* of the slide. This tongue *c* is so shaped at its outer and under side as to constitute a cam, which bears against the outermost end of the slot *a* in the slide in such manner that when pressed inward radially into the slot *a* the said tongue will force the slide longitudinally outward, and when released from said inward movement will permit the spiral spring

to retract the slide longitudinally in an opposite direction.

Affixed to the end of the holder adjacent to the pen is a guard, F, which projects forward and parallel with the pen over the same, and somewhat—say one-eighth of an inch—beyond the tip or point of the pen when the latter is retracted by the inward movement of the slide. The cam-like shape of the tongue of the leaf is such as not only to enable the inward movement of the leaf to project the slide, and consequently the pen, in a forward direction, but conversely, so as also to enable the slide, when retracted by the spring, to push outward the tongue and leaf in a radial direction when the latter is relieved from pressure.

In the use and operation of the invention, the holder is grasped in the same manner as the common pen-holder is held for writing, except that the forefinger or thumb is placed on the leaf and presses the same radially inward, as hereinbefore set forth. This projects forward the slide until the pen is brought with its tip or point sufficiently beyond the extremity of the guard to enable the pen to be used for writing without hinderance, this portion of the pen being maintained by the constant pressure of the forefinger or thumb upon the leaf during the operation of writing. As soon, however, as the forefinger or thumb is removed from the leaf—as, for example, when the implement is accidentally dropped to the floor, or when it is laid aside pending further use, or when it is simply placed in the pocket—the spring retracts the slide until the pen is brought wholly within the guard, so that the extremity of the latter, projecting beyond the point of the pen, effectually protects the pen from injury. It is to be observed that, inasmuch as the shield is located only at the back of the pen instead of surrounding the same, a very slight movement—say from one-eighth to three-sixteenths of an inch—is sufficient to project the latter a distance sufficient to permit its use in writing.

What I claim as my invention is—

1. The combination of the hollow holder C, a guard on said holder arranged to project over the pen, the slide B, constructed to carry the

pen A, and the pivoted leaf E, connected with the slide by mechanism, substantially as described, to give movement to the said slide with reference to the guard, substantially as
5 and for the purpose herein set forth.

2. The combination of the retractile pen A, attached to the slotted slide B, the slotted holder C, the spring D, the pivoted leaf E, having the cam-like tongue c, and the guard F,

placed to project from the holder over the back 10 of the pen and substantially parallel therewith, all substantially as and for the purpose herein set forth.

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