

F. C. CONE.
FOUNTAIN PEN.

No. 108,110.

Patented Oct. 11, 1870.

Fig. 1.—

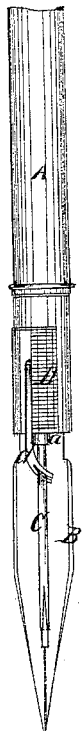


Fig. 2.—



Fig. 4.—

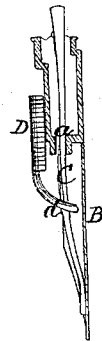


Fig. 3.—



Witnesses.
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FRANCIS C. CONE, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 108,110, dated October 11, 1870; antedated October 8, 1870.

IMPROVEMENT IN FOUNTAIN-PENS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, FRANCIS C. CONE, of the city and county of San Francisco, State of California, have invented an Improved Supply Pen-holder; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

Figure 1 is a view of the under side of my improved pen-holder;

Figure 2, an edge view of the same;

Figure 3, a sectional view, showing the valve C, contracted in its length, and filling the opening *a*; and

Figure 4 is a sectional view, showing the valve C elongated, and, consequently, narrowed, so as to leave the passage *a* partially open.

The object of my present invention is to provide an improved device, which I call a supply pen-holder; and

It consists in forming the holder hollow, and with a small aperture at the bottom, just within the curve of the pen.

A piece of elastic rubber extends out through this hole and along the inside of the pen to near the nib. This rubber is so large that, when contracted, it fills the hole, and makes it perfectly tight; but, if extended, by a movement of the finger operating a slide and clasp, the ink will be allowed to fill the pen, and the motion of the rubber in the hole will always clear out any sediment and insure the flow of the ink.

Referring to the accompanying drawing for a more complete explanation—

A is a hollow pen-holder, provided with a suitable device, of one of the known forms, for holding the pen B, any style of pen being used as suits the convenience or taste of the writer.

The lower end of the holder has an aperture or short tube, *a* pierced so as to open just in front of the pen, as shown.

An elastic strip of material, C, has one end fastened within the holder A, and the other end extends out through the aperture *a*, and lies along the inside of the curve of the pen to near the nib.

This elastic strip completely fills the hole, when in its ordinary condition, thus making it perfectly tight.

A roughened slide, D, is fixed to move up and down on the outside of the holder, at its lower end, and in such a position that one finger naturally rests upon it while writing.

A bent wire, *d*, extends down from this slide, and is split at the end, so as to clasp the strip C just below the aperture *a*.

The operation is as follows:

When ready to write, the finger is pressed upon the slide D, so as to move it downward, carrying the bent wire *d*, and thus stretching the rubber or elastic strip C, so as to make it smaller, and allow a pen full of ink to flow out, the operation being repeated as needed.

A very important advantage is, that the motion of the strip C, in the aperture or tube, serves to clean it and free it from all sediment, which would soon clog and render it useless but for this cleaning.

The top of the holder may have a screw or other device to let in air, when it is needed, so that its pressure will allow the ink to flow.

Having thus described my invention,

What I desire to secure by Letters Patent is—

1. Opening and closing the supply-aperture *a*, by means of an elastic strip, C, substantially as herein described.

2. The combination, with the elastic valve C, of the slide D, and clasp *d*, for operating the same, substantially as described.

In witness whereof, I have hereunto set my hand and seal.

FRANCIS C. CONE. [L. S.]

Witnesses:

J. L. BOONE,
GEO. H. STRONG.