A. CANTREL.

PEN-HOLDER.

No. 178,730. Patented June 13, 1876.

Fig. 1.

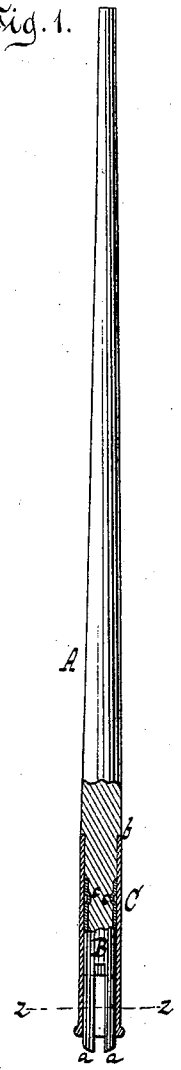

Fig. 2.

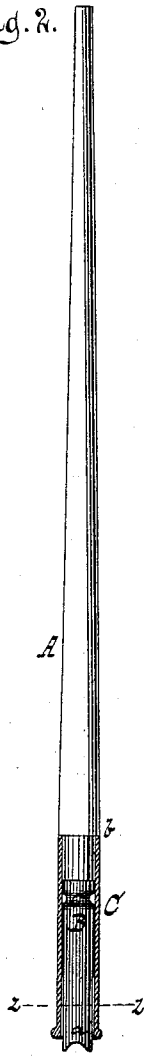

Fig. 3.

Fig. 4.

Witnesses.

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UNITED STATES PATENT OFFICE.

ALPHONSE CANTREL, OF NEW YORK, N. Y., ASSIGNOR TO EBERHARD FABER, OF SAME PLACE.

IMPROVEMENT IN PEN-HOLDERS.

Specification forming part of Letters Patent No. **178,730**, dated June 13, 1876; application filed April 21, 1876.

To all whom it may concern:

Be it known that I, ALPHONSE CANTREL, of the city, county, and State of New York, have invented a new and useful Improvement in Pen-Holders, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a vertical section in the plane *x x*, Fig. 3. Fig. 2 is a similar section in the plane *y y*, Fig. 3. Figs. 3 and 4 are horizontal sections in the plane *z z*, Figs. 1 and 2.

Similar letters indicate corresponding parts.

This invention consists in a pen-holder composed of a tube which is open at both ends, and secured at its inner end to a suitable handle, while its outer end is made to form two elastic segmental open-ended prongs, in combination with a sleeve which embraces the double-pronged tube, and which bears against a shoulder on the handle, so that the shank of a metallic pen can be inserted between the prongs of the tube and the sleeve on either side of said prongs, and that said pen, when thus inserted, will be securely retained, while by such connection all the elasticity requisite for a good pen-holder is preserved.

In the drawing, the letter A designates the handle of my pen-holder, which may be made of wood, or of any other material suitable for this purpose. To one end of this handle is firmly secured a tube, B, which is made of thin elastic sheet metal, open at both ends, and provided at its outer end with two segmental prongs, *a a*. Over this double-pronged tube B is fitted a sleeve, C, the inner end of which bears against a shoulder, *b*, of the handle A, and which is made of such length that when the same is pushed up against said shoulder the prongs *a a* of the tube B extend beyond its outer end, as shown in Figs. 1 and 2 of the drawing.

In the example shown in the drawing the body of the tube B is closed, and said tube is fastened to the handle by means of a depressed bead, *c;* but the body of the tube may be split throughout its whole length, and it may be secured to the handle by any suitable means.

By combining the sleeve C with the double-pronged tube B and the handle A, a pen-holder is obtained, into which the shank of a metallic pen can be inserted on either side of the prongs in Figs. 1 and 3, and also on either side of said prongs in Figs. 2 and 4. In the former case the prong against which the pen bears is crowded in, while the other prong is pressed up against the inner surface of the sleeve, and the pen, while it is securely retained in position, preserves the requisite degree of elasticity.

When the pen is inserted on either side of the prongs, as shown in Figs. 2 and 4, the edges of the prongs against which the pen bears are crowded in to admit the pen, said prongs being open at their ends, so that each prong is enabled to change its curvature according to the formation of the different shanks, while the opposite edges of said prongs are firmly pressed up against the inner surface of the sleeve, and the result is the same as above. At the same time the prongs of my pen-holder adapt themselves readily to the formation of the shanks of different pens, and a pen-holder is produced which is superior in convenience, and which can be manufactured at comparatively small expense.

I am aware that pen-holders have heretofore been made, composed of a handle, a pronged tube, and a sleeve embracing said pronged tube; but in all cases of this kind which have come to my knowledge the prongs are closed at their ends, and their capability of changing their curvature and of accommodating themselves to the formation of the shanks of different pens is destroyed, and a pen inserted in such pen-holder does not possess the elasticity which it preserves when used in one of my pen-holders.

I disclaim everything shown and described in the patent of Julien Larru, No. 162,393, dated April 20, 1875.

What I claim as new, and desire to secure by Letters Patent, is—

In a pen-holder, the combination of a han-

dle, A, tube B, open at both ends, and provided with two elastic open-ended prongs, *a a*, and a sleeve, C, which embraces the double-pronged tube B, each of said open-ended prongs being adapted to change its curvature, as set forth, and the whole being constructed and operating substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 3d day of April, 1876.

A. CANTREL. [L. S.]

Witnesses:
W. HAUFF,
E. F. KASTENHUBER.