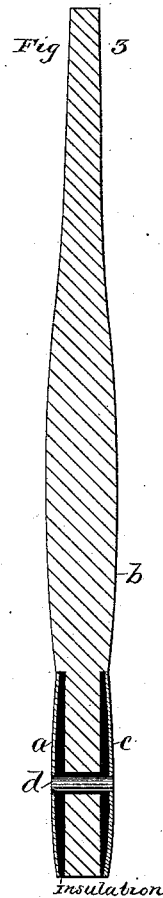
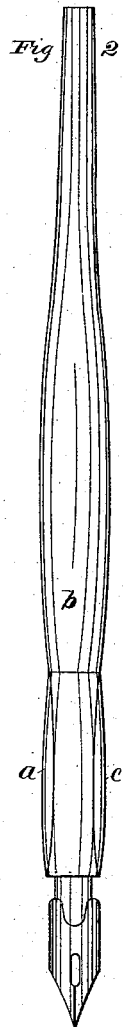


(No Model.)

C. W. REITLER.
ELECTRIC PEN HOLDER.

No. 381,953.

Patented May 1, 1888.



WITNESSES:

W. W. Arnold
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INVENTOR.

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BY

W. W. Arnold

his

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UNITED STATES PATENT OFFICE.

REISSUED

CHARLES W. REITLER, OF DENVER, COLORADO.

ELECTRIC PEN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 381,953, dated May 1, 1888.

Application filed July 19, 1887. Serial No. 214,699. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. REITLER, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Electric Pen-Holders; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to pen-holders having means for generating an electric current to pass through the fingers.

The object of such devices is to obtain the therapeutic advantages resulting from the action of electric currents on the nerves. The special trouble which these pen-holders prevent and cure is what is popularly known as "scriveners' palsy" or "writers' cramp."

My invention consists in an improved device of the kind referred to, as will be hereinafter fully described, and then particularly claimed.

In the accompanying drawings, Figure 1 is a view in side elevation of a pen-holder embodying my improvements, one of the sides on which an electrode is secured being represented. Fig. 2 is a side elevation also, but of the holder turned on its axis a distance of ninety degrees; and Fig. 3 is a view of a longitudinal section of the holder.

Like letters of reference indicate corresponding parts in the different figures.

Without limiting myself to the identical form of parts shown, I will now proceed to describe my invention more minutely.

The letter *b* designates the usual shaft, the lower end of which is made with a hole through which a rivet can be passed. Around the lower end of the shaft and in the hole I apply an insulating material—as, for example, rubber or gutta-percha. On opposite sides of this insulating material I place plates or electrodes of opposite polarity, *a* and *c*, one being of copper and the other of zinc. These plates are then secured in place by means of a rivet, *d*, of copper passed through the hole referred to. By this construction the current may be made to pass through the entire length of the fingers, or a finger and the thumb, thus deriving the greatest possible therapeutic benefit from the use of the current in such a device.

What I claim is—

The herein described improved therapeutic pen-holder, consisting of a shaft having the electrodes or plates *a* and *c* arranged and secured on opposite sides thereof, and an insulating material interposed between the plates and the pen-holder, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHAS. W. REITLER.

Witnesses:

W. D. DODDS,
H. W. ABNOLD.