No. 713,005. Patented Nov. 4, 1902.

G. B. HUNT.

PENHOLDER.

(Application filed Apr. 7, 1902.)

(No Model.)

Fig. 1,

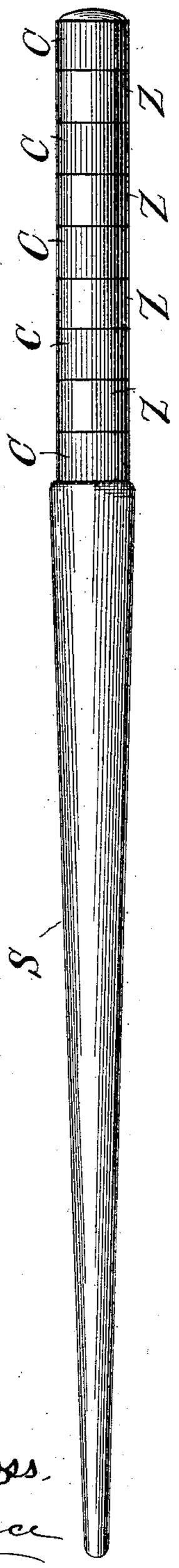
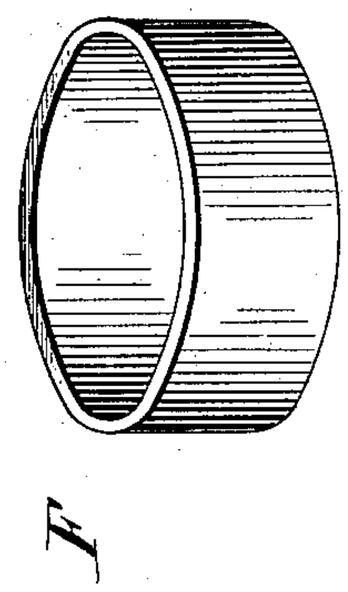


Fig. 2,



WITNESSES:

~~Harry L. Goss.~~

J. W. Bryce

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ATTORNEY

UNITED STATES PATENT OFFICE.

GEORGE B. HUNT, OF NEW YORK, N. Y.

PENHOLDER.

SPECIFICATION forming part of Letters Patent No. 713,005, dated November 4, 1902.

Application filed April 7, 1902. Serial No. 101,644. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. HUNT, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Penholders, of which the following is a specification.

My improvement consists of a simple and inexpensive method of constructing electric or galvanic penholders, the object of which is to avoid cramp or benumbing of the fingers and hands, of which the following is a full description, reference being had to the accompanying drawings, in which like letters refer to like parts.

Figure 1 is a perspective view of penholder complete, showing zinc and copper ferrules practically located and arranged upon the staff; Fig. 2, a detached ferrule, designated as S, staff; F, ferrules; Z, zinc; C, copper.

My invention consists of a series of zinc and copper ferrules of a size adapted to requirements alternately—as zinc, copper, zinc—permanently arranged in contact upon the penholding end of a suitable staff. (See Fig. 1.) The object of this arrangement of metallic ferrules of different degrees of susceptibility is to create a simple modification of the well-known voltaic battery, which may be brought into action or excited when in use by the saline moisture exuding from the fingers in coöperation with surrounding elements, thereby developing an electric fluid which will be communicated to and absorbed by the fingers, thus stimulating the nerves and augmenting blood circulation, and thus prevent cramps or numbness of the fingers, which is very common with those engaged in arduous clerical work.

The ferrules may be easily made plain or ornamental by first cutting blanks from sheet zinc and copper and then turning them into tubular form or by first drawing the metals into tubular rods and then cutting off therefrom ferrules of proper lengths. Workmen skilled in the art will readily devise means for the purpose.

I am aware that electrical penholders have been before constructed, but not in the simple manner I have described and shown.

What I claim as new and as my invention is—

In combination, a pen-staff and a sheath composed of a series of ferrules made of zinc and copper adapted to fit and to be permanently arranged in contact alternately—as zinc, copper, zinc—upon the pen-retaining end of said staff, substantially as and for the purpose described and shown.

Signed at New York, in the county of New York and State of New York, this 20th day of March, A. D. 1902.

GEORGE B. HUNT.

Witnesses:

J. N. KEEP,

J. N. REYNOLDS.