(No Model.)

E. D. CHADWICK.

PENHOLDER.

No. 590,183. Patented Sept. 14, 1897.

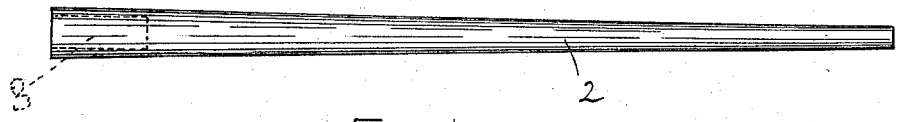

FIG. 1

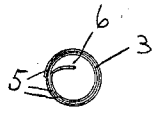

FIG. 2.

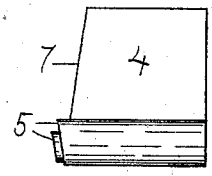

FIG. 3.

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UNITED STATES PATENT OFFICE.

EVERETT D. CHADWICK, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO WARREN EUGENE ELLIS, OF BRADFORD, MASSACHUSETTS.

PENHOLDER.

SPECIFICATION forming part of Letters Patent No. 590,183, dated September 14, 1897.

Original application filed August 7, 1895, Serial No. 558,481. Divided and this application filed August 29, 1896. Serial No. 604,310. (No model.)

To all whom it may concern:

Be it known that I, EVERETT D. CHADWICK, a citizen of the United States, residing at Boston, in the county of Suffolk, State of Massachusetts, have invented certain new and useful Improvements in Penholders, of which the following is a specification, this application being a division of one filed by me on August 7, 1895, Serial No. 558,481.

My invention relates to penholders; and its nature and object will clearly appear from the subjoined description and accompanying drawings, in which—

Figure 1 represents a preferred form of my invention complete. Fig. 2 is an end view of penholding-coils hereinafter described. Fig. 3 is a side elevation of similar coils, slightly modified, showing the manner of constructing the same.

The form of my invention illustrated in Fig. 1 comprises a handle or body portion 2, provided with a pen-holding tip 3. (Shown in dotted lines.)

The handle 2 may be made of any desired size, shape, and material; but for the sake of the extreme lightness secured thereby and for other reasons which will hereinafter appear I prefer to make it either in whole or in part of paper rolled into the form of a hollow tube, the tip 3 being secured in the end of the tube. If desired, this handle 2 may be made cylindrical instead of tapering and provided with a pen-holding tip at each end.

The tip 3 is formed of a sheet 4, of flexible elastic material—such, for example, as thin sheet metal—rolled into cylindrical shape to form a plurality of free concentric coils 5. By "free" I mean disconnected from one another at the edges of the sheet from which they are formed, so that they may be slightly separated to admit a pen-shank between them, where it will be securely held for use by virtue of the elasticity of the material of which the coils are composed.

In order to provide for the ready separation of the coils 5 to admit the pen-shank between them, I have devised several different arrangements of the said coils, my preferred arrangement being that illustrated in Fig. 2, where the inner end of the sheet 4 is shown as being turned abruptly inward toward the axis of the coils, thus forming a lip 6. To insert a pen within this form of tip, the shank of the pen is slipped under the lip 6 and is then moved edgewise in between the coils of the tip, where it will be firmly held.

In place of providing the innermost coil with a lip 6 each of the coils may be made to project slightly beyond the end of the next adjacent coil, as represented in Fig. 3, which shows such a tip partially rolled. With this construction by laying a pen on the projecting portion of a coil the said coil may be pushed away from the coil next outside thereof, so that the pen may easily be slipped into place between the two coils. The projecting portion of the coil also serves to guide the pen when being pushed into place. A tip such as shown in Fig. 3 may readily be made from a sheet 4, having its outer edge 7 cut at a slight angle to the direction in which it is rolled up, as illustrated in said figure.

The coils 5 are normally in contact with one another, or at least a sufficient number of the outermost of them are thus in contact, so as to make the tip 3 practically rigid to external pressure, and hence by making the handle portion 2 of paper or similar semi-yielding material I am enabled to secure the tips 3 therein by simply wedging the cylindrical tip into the slightly-tapering handle, the material of which will be compressed sufficiently to allow of this being done. When cylindrical handles are used, the tips should be made of such size as to fit tightly therein, and will then be held in place with sufficient firmness by friction alone.

In place of making the handle 2 and its tip 3 separate from each other the sheet 4, or a portion thereof, may itself be of such width that when rolled up to form the coils it will form at the same time the handle therefor. In this manner either a single-ended or a double-ended penholder may be formed and with coils constructed according to any of the forms above described.

Penholders such as I have described may be made cheaply, and when made of paper are very easy to write with, both on account of their lightness and also because the paper-

surface affords a soft and agreeable hold for the fingers. Although I prefer to make the handle 2 of paper and the tip 3 of metal, yet either of these parts, or both, may be made of hard rubber or celluloid or other analogous material, as will be obvious.

I claim as my invention—

1. In a penholder, a pen-holding tip consisting of a sheet of elastic material rolled into substantially cylindrical shape and forming thereby a plurality of free, concentric coils normally in contact with one another, the tip being thereby made practically rigid to external pressure, whereby it is adapted to be wedged into a hollow handle, all substantially as described.

2. In a penholder, in combination with a handle, a pen-holding tip consisting of a sheet of elastic material rolled into substantially cylindrical shape and forming thereby a plurality of free, concentric coils normally in contact with one another, the inner end of the said sheet being turned inward, away from the coil adjacent thereto, all substantially as described.

3. A penholder comprising an internally-tapering hollow handle formed of paper or equivalent semiyielding material, and a penholding tip wedged into one end of the said handle, and consisting of a sheet of elastic material rolled into substantially cylindrical shape and forming thereby a plurality of free, concentric coils normally in contact with one another, said coils being provided with means whereby they may be separated to admit a pen between them, all substantially as described.

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