F. P. WOODBURY.

Attachment for Stenciling-Pens.

No. 202,913. Patented April 23, 1878.

Fig. 1

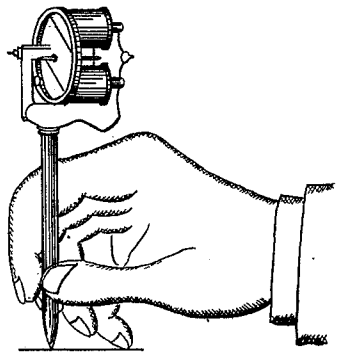


Fig. 2

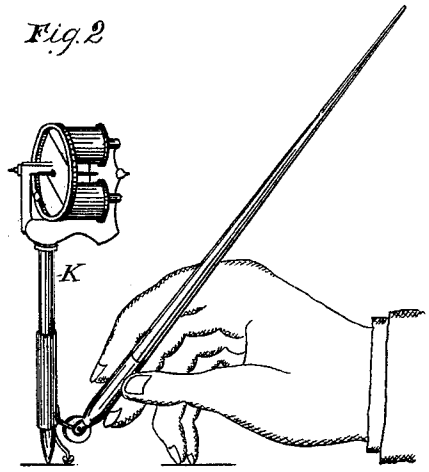
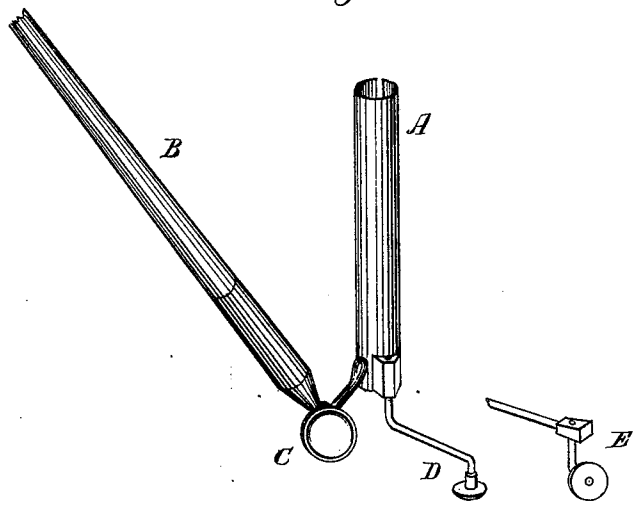


Fig. 3



Attest;

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UNITED STATES PATENT OFFICE.

FRANK P. WOODBURY, OF ROCKFORD, ILLINOIS.

IMPROVEMENT IN ATTACHMENTS FOR STENCILING-PENS.

Specification forming part of Letters Patent No. **202,913**, dated April 23, 1878; application filed October 19, 1877.

To all whom it may concern:

Be it known that I, FRANK P. WOODBURY, of Rockford, in the county of Winnebago and State of Illinois, have invented a new and useful Improvement in Attachment for Edison's Electric Pen, of which the following is a specification:

The invention relates to the holding of Edison's electric pen, which must otherwise, from the mechanical necessity of its use, be held by the hand perpendicularly or at some inconvenient angle.

Heretofore Edison's electric pen has been grasped by the hand and held by it perpendicularly, or nearly so, or at an inconvenient angle.

In the accompanying drawings, Figure 1 shows the ordinary mode of holding the electric pen, as required by its mechanical construction. Fig. 2 represents the same pen with my device attached; and Fig. 3 shows more in detail the various parts of such attachment.

The common method is objectionable on account of the constrained position of the hand in writing, and for the reason that when the pen or marker is heavy it must be grasped firmly to hold it up, which soon tires the hand. The maintenance of a perpendicular position, or one at a slight remove from the perpendicular, is a necessity in the use of the electric pen.

The object of my invention is to provide an attachment or handle for the electric pen, whereby the pen is kept at the perpendicular, while the hand takes my holder at any angle, slant, or direction in which the user is accustomed to hold a common pen or pencil. (See Fig. 2.)

My invention is depicted in Fig. 3 of the accompanying drawings.

The jacket A incloses the pen which is to be held; or the parts B, C, and D may be permanently attached to the stem (Fig. 2, K) of the pen. The holder B is adjustable, by means of the thumb-screw C, to any angle desired by the user. The support D rests on the paper at a level with the point of the pen, and keeps it from swaying sidewise.

When the device is in use, the support D, the point of the pen, and the resting of the hand on the table make a supporting-base at three points, and hold the pen easily and securely in position. When it is desired to move the pen along the paper without marking, a slight tipping of the pen toward the support D raises the pen-point, and the entire system slides along on the burnished bulb at D, without necessitating a lifting of the whole weight by the hand.

If the surface of the paper is rough, a pivoted caster can be substituted for the bulb on the end of D, as shown at E.

The operation of the device is that of writing or operating easily and naturally, therefore without constraint or fatigue, while the pen remains at or near the perpendicular, so that, if it had to be grasped directly by the hand, the writing would proceed with difficulty.

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

The upright column of support A, in combination with the support D and the holder or handle B, placed at any convenient angle, substantially as shown and described.

FRANK P. WOODBURY.

Witnesses:
ALLEN F. PHILLIPS,
BENJAMIN FOLTZ.