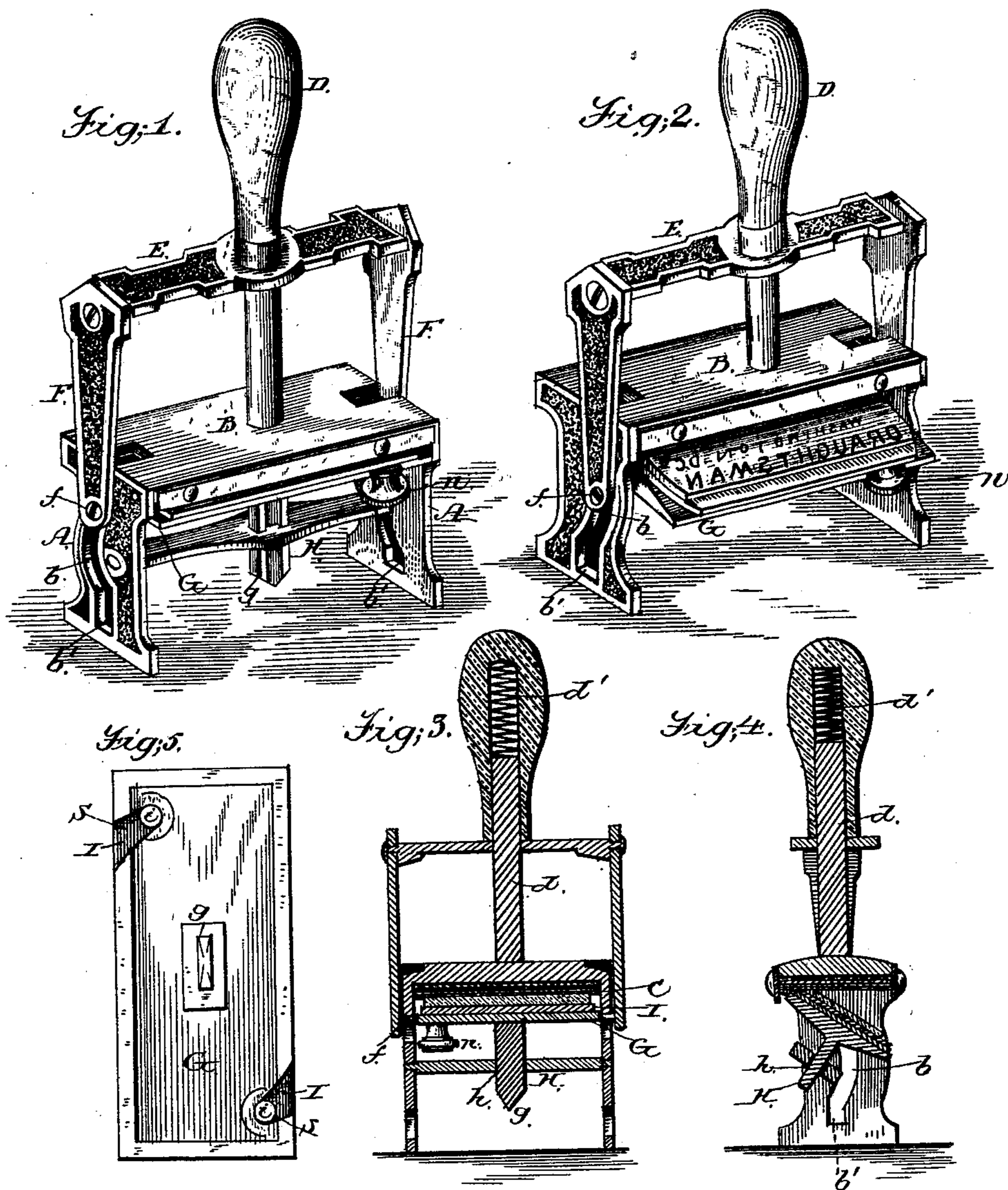


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Hand-Stamp.

No. 220,521.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN HAND-STAMPS.

Specification forming part of Letters Patent No. **220,521**, dated October 14, 1879; application filed  
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*To all whom it may concern:*

Be it known that we, EDMUND D. CHAMBERLAIN, of Westfield, Union county, and STEPHEN J. MARDEN, of Newark, Essex county, State of New Jersey, have invented certain new and useful Improvements in Self-Inking Hand-Stamps; and we do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a reverse perspective view, showing the die-plate in the act of turning. Fig. 3 is a longitudinal vertical section. Fig. 4 is a transverse vertical section, showing the die-plate in the act of turning. Fig. 5 is a plan view of the revolving or partially-revolving plate and die-plate secured thereto.

This invention relates to certain new and useful improvements in the class of self-inking hand-stamps employing a partially-revolving die-plate, having for its object the production of a self-inking hand-stamp, combining simplicity in its construction and operation, and at the same time overcoming defects incident in the operation of such stamps as heretofore constructed; and to this end the invention consists, in a self-inking hand-stamp, of a revolving or partially-revolving plate, provided with a guiding-stud, and a pivoted cross-bar, provided with an opening, through which said stud passes.

It further consists in a novel means for securing the die-plate to the revolving or partially-revolving plate.

It also consists in the combination of a vertically-moving handle with oscillating supports carrying the revolving or partially-revolving plate.

It finally consists in the general construction and combination of parts, as hereinafter fully described and claimed.

To enable others skilled in the art to make and use our invention, we will proceed to describe the exact manner in which we have carried it out.

In the drawings, A A represent the standards or supports of a self-inking hand-stamp, connected at their upper ends by a horizontal plate, B, to the under side of which the ink-

ing-pad C is secured in the usual manner. The standards A A are provided with segmental slots *b b*, continued at their ends in vertical lines *b' b'*, for a purpose to be hereinafter described.

D represents a hollow handle, centrally secured to the upper side of the cross-bar E. This handle is made hollow for the reception of the plunger-rod *d*, centrally secured to the upper side of the cross-plate B, a coiled spring, *d'*, being interposed between the upper end of plunger-rod and the handle, for the purpose of returning said handle to its normal position when the pressure is removed therefrom, as seen in Fig. 3. To the ends of the cross-bar E are pivoted the upper ends of two supports, F F, the lower ends of said supports being provided with revolving screw-studs or journals *f f*, passing through the slots in the standards or supports A A, and to said studs or journals the ends of the die-supporting plate G are secured. This plate G is provided on its outer face with a central guiding-stud, *g*, which passes through a slot or opening, *h*, in a cross-plate, H, pivoted to the standards A A.

Upon the inner face of the plate G is secured the die-plate I, in the following manner: To back of the die-plate I, near diagonal corners, are secured screw-studs *i i*. Near diagonal corners on plate G, corresponding substantially in position with the studs *i i* on die-plate, are cut two curved concentric slots, *s s*. When the die-plate is to be secured to plate G it is passed over said plate with the studs downward, and turned until the studs *i i* rest in the bottom of the slots *s s*, said slots being cut of such depth that when the studs *i i* are in position the die-plate will be properly registered. Nuts *n n* then clamp plate G and die-plate I securely together. By this means any number of die-plates provided with proper studs may be used for the same hand-stamp.

The operation of our improved hand-stamp is as follows: In pressing down upon the handle the studs or journals of the oscillating up-rights pass from the upper vertical portion, *b'*, of the slots in the standards downward into the segmental portions *b* of said slots, and in passing through said segmental portions the supporting-plate G, carrying the die-plate, is partially revolved through the medium of said

segmental slots and the guide-stud *g*, passing through the pivoted cross-plate *H*, so that the die-plate is in position to make the impression, it being held in said position by passing into the lower vertical portions of the slots. When the handle is relieved from pressure, the spring *d'* raises the supporting-plate and die-plate to their original position.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a self-inking hand-stamp, the combination of a revolving or partially-revolving supporting-plate, *G*, provided with a guiding-stud, *g*, and a pivoted cross-bar, *H*, provided with an opening, *h*, through which said guiding-stud passes, substantially as and for the purpose herein shown and described.

2. In a self-inking hand-stamp, the combination of a vertically-moving handle with oscillating uprights *F F*, carrying the revolving or partially-revolving supporting-plate *G*, substantially as and for the purpose herein shown and described.

3. In a self-inking hand-stamp, the combination of a vertically-moving handle with oscillating uprights *F F*, carrying the supporting-plate *G*, and the standards *A A*, provided with segmental slots *b b*, terminating in vertical lines *b' b'*, substantially as and for the purpose herein shown and described.

4. In a self-inking hand-stamp, the combination of a vertically-moving handle with oscillating uprights *F F*, carrying the supporting-plate *G*, provided with a guiding-stud, *g*, pivoted cross-plate *H*, provided with openings *h*, and standards *A A*, provided with segmental slots *b b*, terminating in vertical lines *b' b'*, substantially as and for the purpose herein shown and described.

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