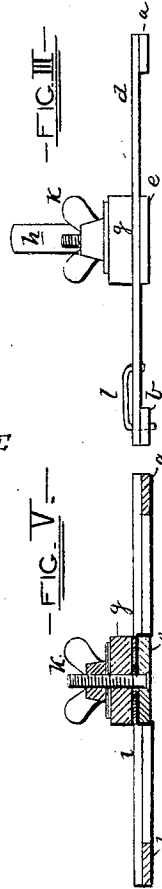
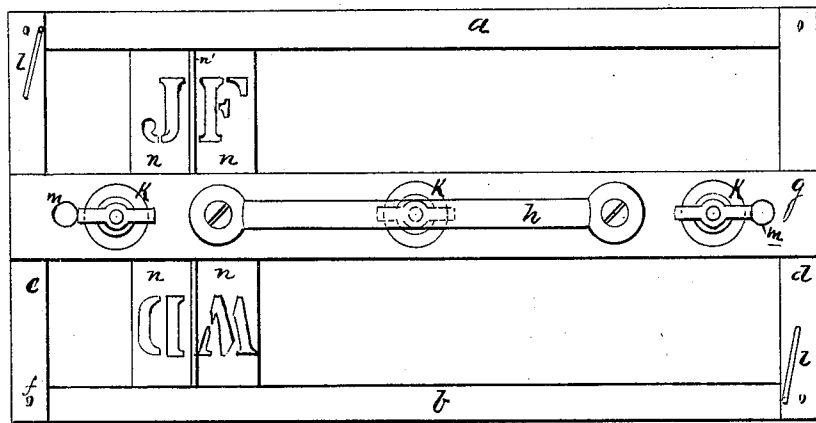


J. F. W. DORMAN.
Improvement in Stencil-Plates.

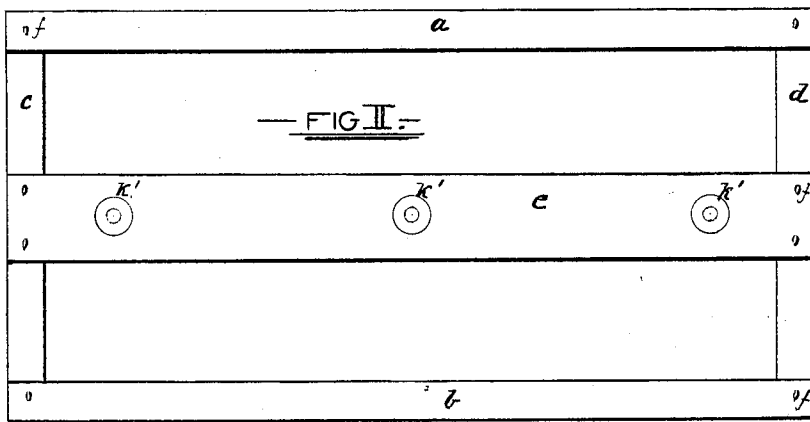
No. 129,271.

Patented July 16, 1872.

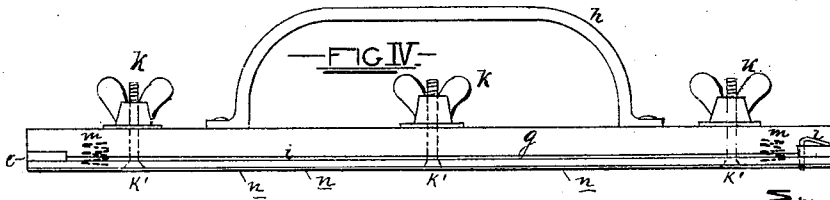
—FIG. I.—



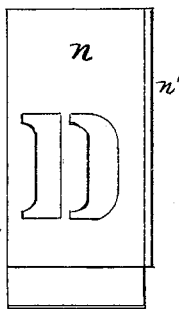
—FIG. II.—



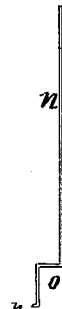
—FIG. IV.—



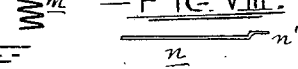
—FIG. VI.—



—FIG. VII.—



—FIG. VIII.—



WITNESSES:—

Chas. E. Schmitt

H. A. Daniels

INVEN FOR:—

John F. W. Dorman

Geo. H. Howard, Atty.

UNITED STATES PATENT OFFICE.

JOHN F. W. DORMAN, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN STENCIL-PLATES.

Specification forming part of Letters Patent No. 129,271, dated July 16, 1872.

To all whom it may concern:

Be it known that I, JOHN F. W. DORMAN, of the city and county of Baltimore and State of Maryland, have invented certain Improvements in Stencils, and in the manner of holding the same, of which the following is a specification; and I do hereby declare that the same is a full, clear, and exact description of my said invention.

The nature of my invention consists in a projecting edge to the stencil-plate to assist in the securing of it to the frame and in certain springs and devices designed for the same purpose.

Figure 1 is a plan or top view of my invention. Fig. 2 is a reversed plan or bottom view of the same. Fig. 3 is an end view of the same. Fig. 4 is a side view of the same. Fig. 5 is a cross-section of the same. Fig. 6 is a top view of a stencil-plate. Fig. 7 is a side view of the same. Fig. 8 is an end view of the same.

Similar letters of reference indicate similar parts of the invention.

The stencil-frame is composed of the five strips *a*, *b*, *c*, *d*, and *e*, riveted together, as shown at *f*. The clamping-strip is represented by *g*, and its handle by *h*. The rubber-lining is shown by *i*. The thumb-screw bolts and nuts are indicated by *k*. The heads of the bolts are inserted in their countersunk holes in the center strip *e*, as shown at *k'*. At opposite corners of the frame I place small springs *l* projecting therefrom, their object being to serve as stops to the stencil-plates. By their elasticity they will always project sufficiently below the surface of the frame to meet their object, and still can never interfere with the bringing of the stencil-plates to a firm and full plane. The manner of bending the ends of the stencil-plates *n* is shown at *o*. The projection *p* presses into the rubber *i*, as shown in Fig. 5, and assists materially in the prevention of the lateral movement of the

plates when subjected to the action of the stencil-brush. Springs are shown at *m*, attached to the strips *g* and *e*, by which they are separated when the compression occasioned by the bolts *k* is removed. The part *n'* of the stencil-plate laps over the next plate to it, and so on, thus giving a smooth bottom surface, and preventing blotting of ink between the letters.

If an address is to be marked the plates in the positions of those indicating the letters J F are first used, when the frame is reversed and the edge E brought to the bottom of the letters just marked, and those W D then operated upon by the stencil-brush.

I am aware that a patent was granted September 20, 1859, to J. Bigelow, in whose specification are set forth parts answering to those which I designate by *e* and *g*; and also that he uses rubber or leather to clamp the stencil-plates; neither do I propose claiming such parts as constituting any portion of my invention. I am further aware that in the same patent is set forth a bent end to the stencil-plate, which, however, has not the projecting piece *p*, as herein shown.

Having thus described my invention, what I claim as new, and wish to secure by Letters Patent, is—

1. In a stencil-plate, *n*, the projecting edge *p*, substantially as set forth, for the purpose specified.
2. The springs *l* and *m*, arranged and fitted substantially as described, for the purposes set forth.
3. A stencil formed by a combination of the separate plates *n* with a frame composed of the strips *a*, *b*, *c*, *d*, *e*, and *g*, bolt *k*, rubber *i*, and springs *l* and *m*, when arranged substantially in the manner set forth.

J. F. W. DORMAN.

Witnesses:

WM. LOUGHRIDGE,
W. H. WALSH.