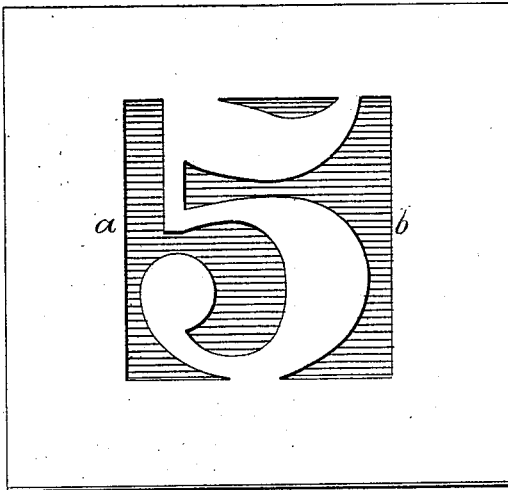


A. C. BARNES, Jr.
Stencil-Plate.

No. 203,992.
FIG. 1.



Patented May 21, 1878.
FIG. 3.

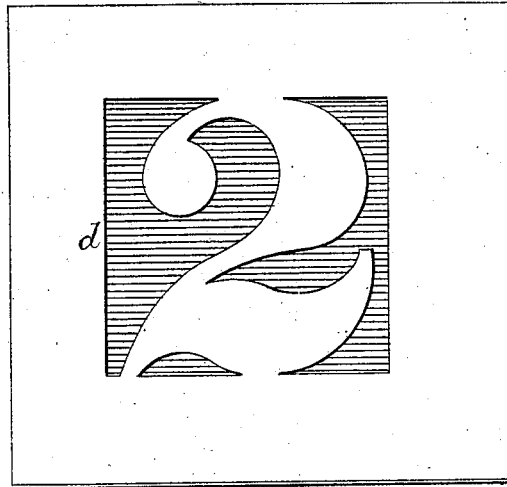


FIG. 2.



FIG. 4.



FIG. 6.

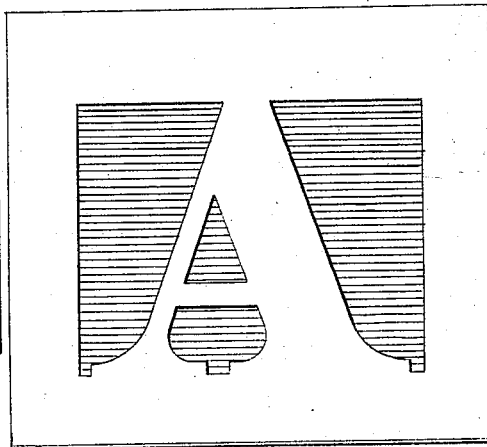
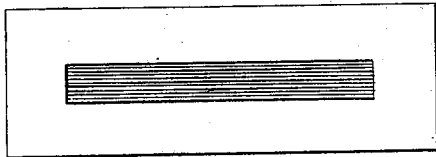


FIG. 5.



Witnesses, Harry Smith
Thomas McIlvain

Alonzo C. Barnes, Jr. Inventor
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

ALONZO C. BARNES, JR., OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF HIS RIGHT TO ALONZO C. BARNES, OF SAME PLACE.

IMPROVEMENT IN STENCIL-PLATES.

Specification forming part of Letters Patent No. 203,992, dated May 21, 1878; application filed
February 7, 1878.

To all whom it may concern:

Be it known that I, ALONZO C. BARNES, JR., of Philadelphia, Pennsylvania, have invented a new and useful Improvement in Stencil-Plates, of which the following is a specification:

My invention relates to that class of stencil-plates in which part of the plate is made to form the letter or figure by cutting away the metal on each side of the same at such other points as the character of the said letter or figure may determine; and the object of my invention is to make a series of plates of this class, one figure or one letter of the alphabet being formed on each plate, which is cut away to such an extent, on each side of the figure or letter, that the limit of the color which has been imparted to a surface through the openings in one plate will serve as a guide for the proper adjustment of another, or the same plate for the production of another figure or letter at a proper distance from the first.

In the accompanying drawing, Figure 1 is a stencil-plate for the figure 5, which is of the same material as the plate, the latter being cut away on each side of the figure to an extent indicated by the lines *a b*.

The making of stencil-plates by cutting away the metal on opposite sides of the figures or letters which constitute part of the plate is old; but my improved stencil-plates are especially constructed with the view to the ready and accurate spacing of the letters or figures produced by the aid of the plates. Thus, Fig. 2 shows the coloring which would be produced by the aid of the plate, Fig. 1; the opposite edges *a b* of the opening in the plate defining the limits *a'* and *b'* of the colors in Fig. 2. Now, if 2 is to be the adjoining figure, the stencil-plate, Fig. 3, is so adjusted that the edge *d* of its opening shall coincide, or nearly so, with the edge *b'* of the color in Fig. 2; and if the color be now applied to the second stencil-plate while it is in this position, we shall

have the figure 2 on a ground color, which adjoins or forms a continuation of the ground color on which the figure 5 appears, and the two figures will be properly spaced.

There should be but one figure or one letter on each plate, for it is the main aim of my invention to furnish retail dealers and others with a set of plates for all the letters of the alphabet and a set of plates for all the figures, so that there can be the same interchanging of the letters and of the figures which ordinary type affords, and so that the tradesman can prepare his own price-cards, &c., with facility, and with the proper exactitude as regards spacing.

It will be understood that after the lettering or figuring with my improved stencil-plates is completed the ground colors must be finished above and below the figures or letters, as shown in Fig. 4; and this may be accomplished by the aid of the stencil-plate, Fig. 5, containing an oblong opening.

Fig. 6 shows a letter-plate made according to my invention.

I claim as my invention—

A series of stencil-plates for producing letters or figures, each plate having a single letter or figure forming part of the said plate, and bounded laterally by openings (one on each side) arranged in respect to the figure or letter, as described, so that the color imparted to a surface through the openings of one plate in producing one letter or figure will serve as a guide for adjusting the same or another plate for the production of the same or another letter or figure at a proper distance from the first, all as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

A. C. BARNES, JR.

Witnesses:

HARRY A. CRAWFORD,
HARRY SMITH.