

E. B. Foster,

Stencil Plates.

N^o 4,045.

Patented May 13, 1845.

A I C E < R = S ;

1 2 3 4 5 6 7 8 9

**ABCDEF GHIJ KLM
NOPQRS TU VWXY**

Z 3

Witnesses

Philip D. Larr
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EZEKIEL B. FOSTER, OF NORTHERN LIBERTIES, PENNSYLVANIA.

STENCILING.

Specification of Letters Patent No. 4,045, dated May 13, 1845.

To all whom it may concern:

Be it known that I, EZEKIEL B. FOSTER, of Northern Liberties, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Mode of Stencil Painting and Printing; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in forming all the letters of the alphabet in stencil painting and printing by means of nine characters by changnig, reversing and combining the said characters. Thus making nine characters to answer the place of twenty seven letters, in the operation of which the letters are made more perfect—leaving no spaces or interstices to be filled up after the brush has passed over the stencil as in the present mode, or mode now in use.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

The accompanying draft or plan represents the nine characters, numbered from 1 to 9. These characters are cut in very thin sheet brass, copper, tin or other material in the manner and way stencil letters are now cut. The letters are then formed and painted by means of the characters so cut and a brush dipped in paint or ink and rubbed over the stencil in the usual mode.

The letters are formed by the characters as follows: A is formed by No. 1 and No. 2 by first making the impression with No. 1, and then making the cross tie with No. 2. B is formed by No. 2 and adding or connecting No. 4, thereto on the right. C is formed entire by No. 3. D is formed by No. 2, and reversing and adding thereto No. 3. E is formed by No. 2 by an impression thereof as represented and then fractional parts at right angles. F is formed in like manner as E. G is formed by No. 3, and then crossing the lower termination of the character by a fraction of No. 2. H is formed by No. 2 making parallel lines and crossing them or making the tie with a fractional part thereof. I is made by a single impression of No. 2. J is formed by No. 9 and adding

to the right arm a fractional part of No. 2. K is formed by No. 2, and No. 5 combined. L is formed by No. 2 as in the case of E and F. M is formed by No. 2, making parallel lines at the proper distance from each other as in H and inserting between them No. 1 reversed. N is formed by No. 2 making parallel lines as in H and diagonally crossed from the bottom of the right hand line to the top of the left hand line. O is formed by No. 3 as in C and then reversed. P is formed by No. 2 and adding to the right hand side No. 7. Q is formed by No. 3 as in the case of O, and adding to the bottom a fractional part of No. 9, or No. 7, so as to make the tail of the letter. R is formed by No. 2, and combining No. 6. S is formed by No. 8 entire or may be formed by reversal impressions of No. 9 or 7. T is formed by No. 2, first made perpendicular and then made horizontally across the top of the perpendicular line. U is formed by No. 9 and adding to the right and left arms a fraction of No. 2. V is formed by reversing No. 1. W is formed by two connected impressions of No. 1, reversed. X is formed by No. 5 as represented and a reversed impression annexed. Y is formed by reversed impressions of the top half of No. 5, and adding to the bottom a part of No. 2. Z is formed by No. 2 by two horizontal parallel lines and a diagonal line as in N in a reversed position. & is formed by reversed impressions of No. 4, leaving the top open.

This system will apply as well to the Roman and octagon letters as to the block letters exhibited in the plan.

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

The mode of forming and printing the letters in stencil printing or painting by means of the combination of the characters represented in the draft and numbered 1, 2, 3, 4, 5, 6, 7, 8, 9, essentially in the manner described, and the nine characters so represented.

E. B. FOSTER.

Witnesses:

ELIHU D. LAW,
GEORGE ERETY.