

(No Model.)

V. A. FERNHOUGH.
GLASS SIGN.

No. 577,017.

Patented Feb. 16, 1897.

Fig. 1.

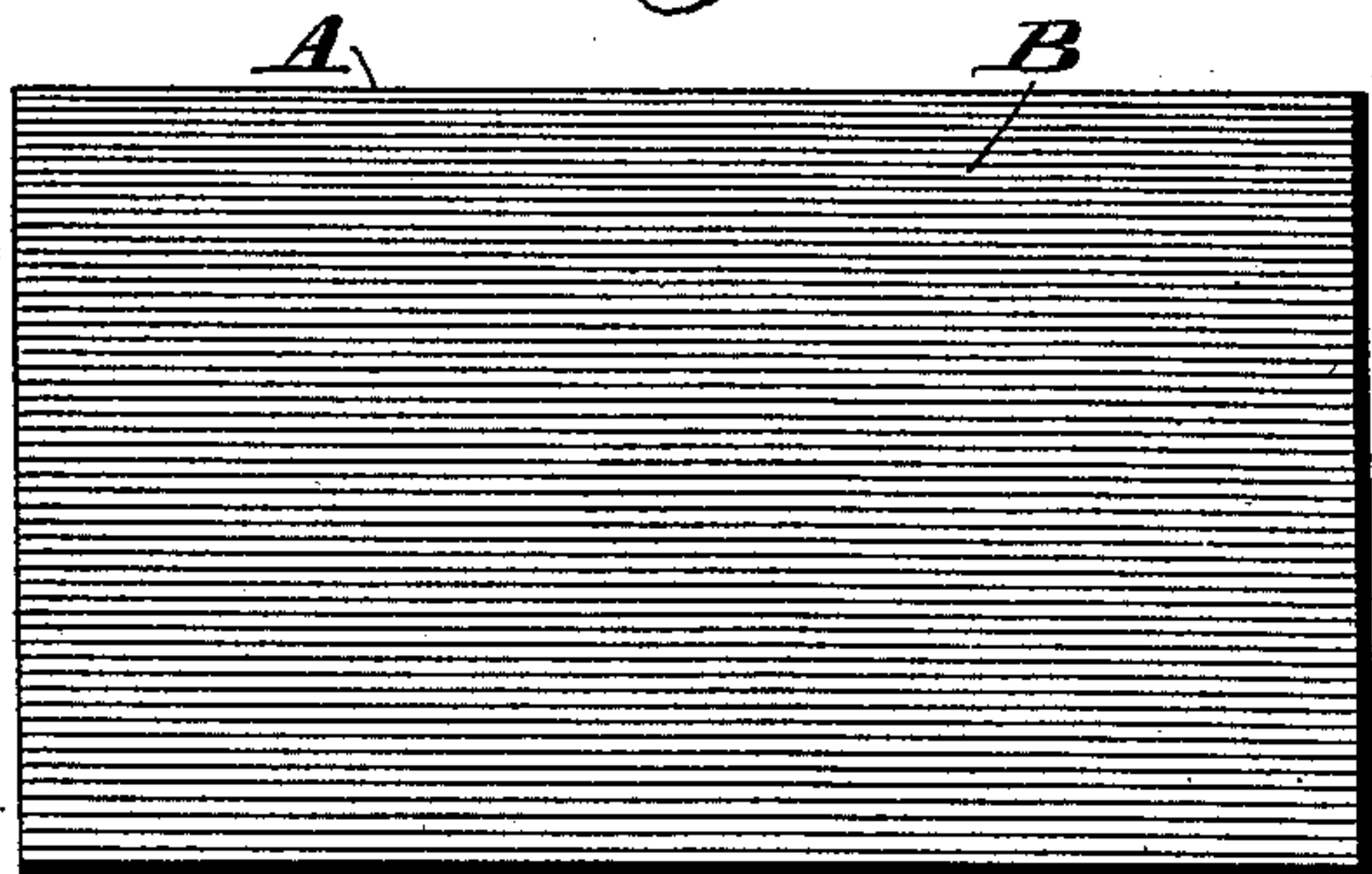


Fig. 2.

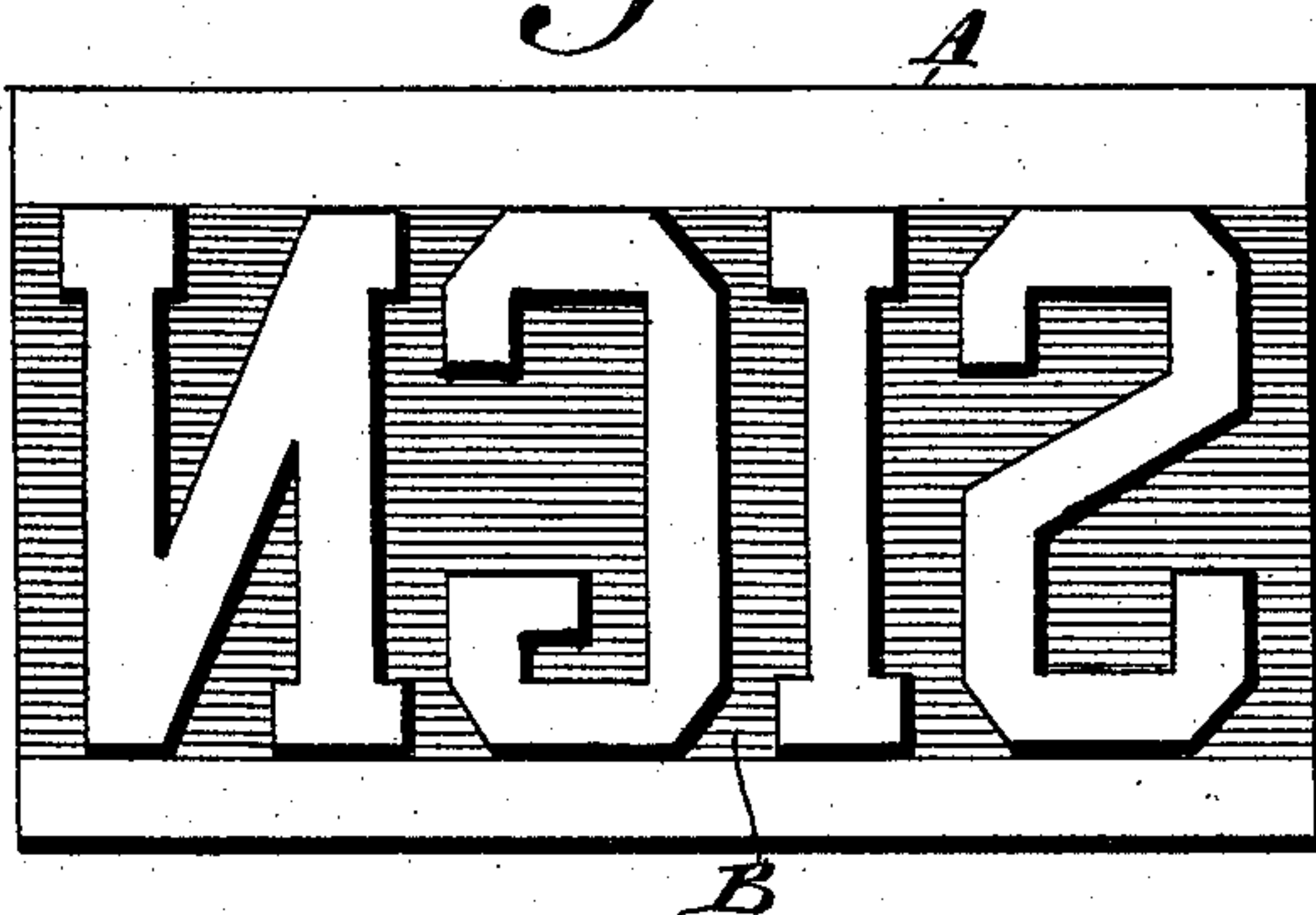


Fig. 3.

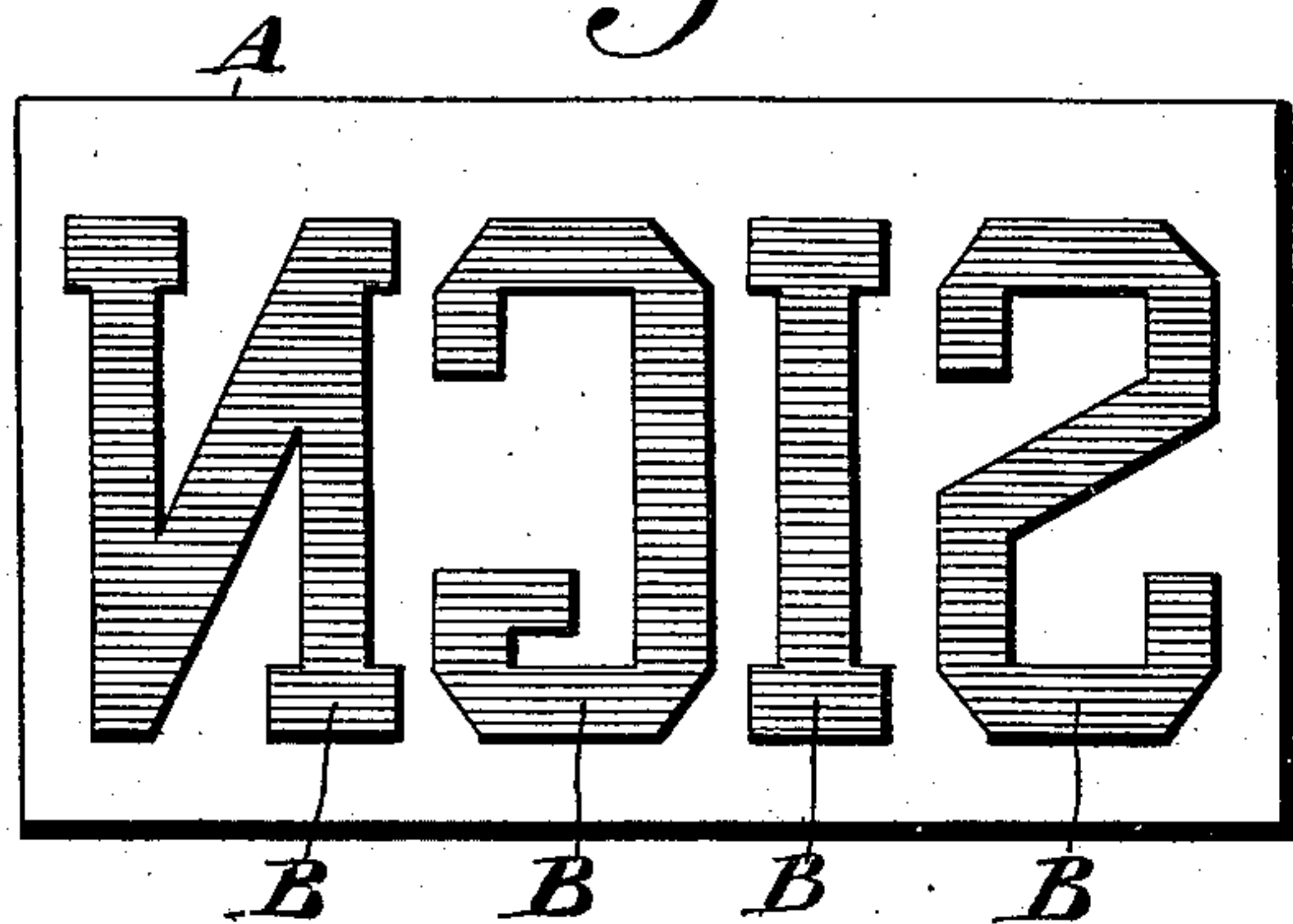


Fig. 4.

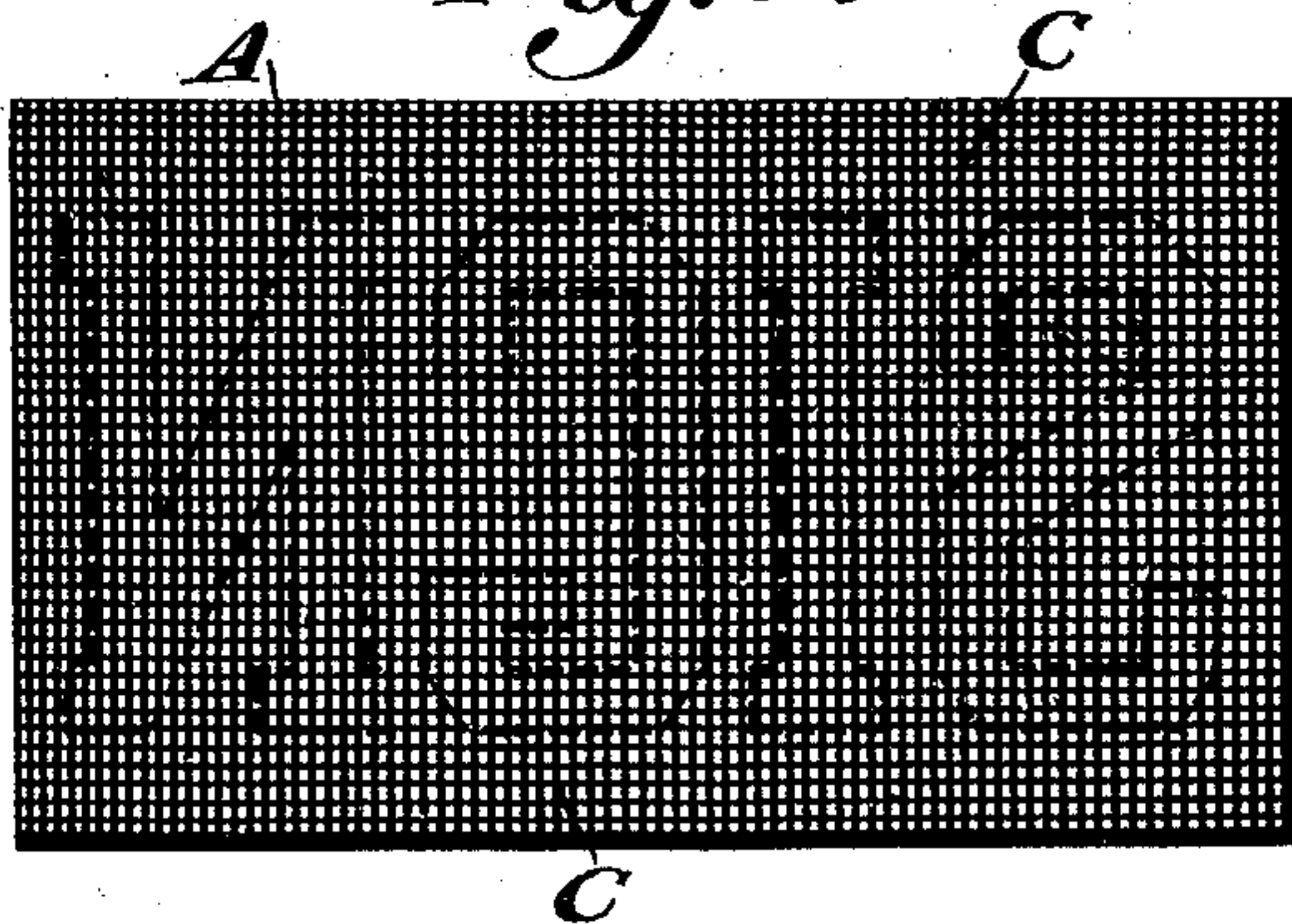
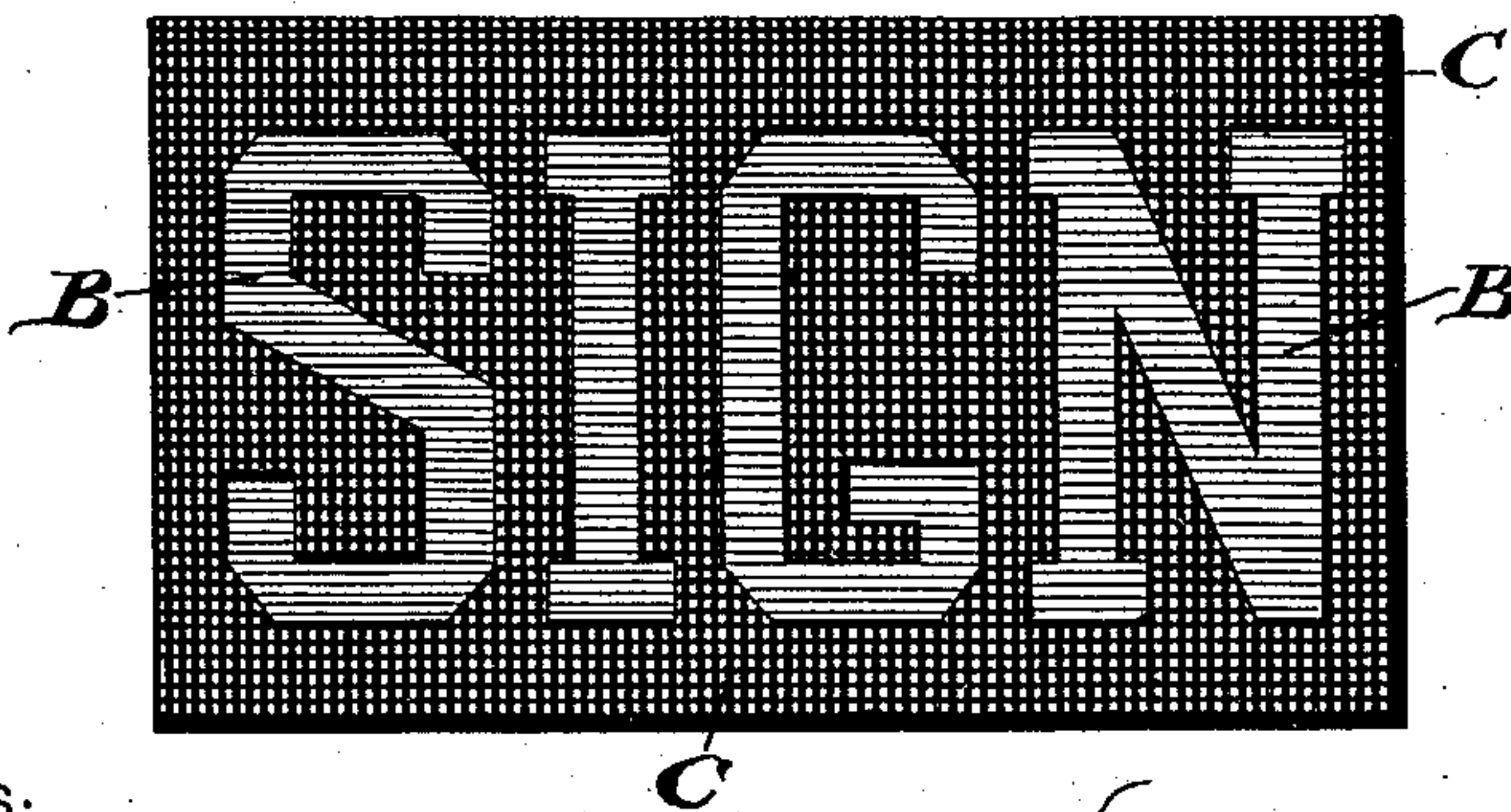


Fig. 5.



WITNESSES:

P. H. Taggart.
L. Douville.

INVENTOR

Vincent Adams Fernhough
BY *John A. Diederichsen*
ATTORNEY.

UNITED STATES PATENT OFFICE.

VINCENT A. FERNHOUGH, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR, BY
DIRECT AND MESNE ASSIGNMENTS, TO EDWARD H. PYLE, OF SAME PLACE.

GLASS SIGN.

SPECIFICATION forming part of Letters Patent No. 577,017, dated February 16, 1897.

Application filed December 17, 1895. Serial No. 572,412. (No model.)

To all whom it may concern:

Be it known that I, VINCENT A. FERNHOUGH, a subject of the Queen of Great Britain, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Glass Signs or Tablets, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an improvement in glass signs or tablets embodying the formation of the letters or design, primarily, of water enamel or color and the conversion of the same into oil, paint, or color, thus producing a bright, attractive, sharply-outlined, durable, and comparatively inexpensive article.

Figure 1 represents a view of the back of a sign in primary condition embodying my invention. Figs. 2, 3, and 4 represent successive operations of producing the sign. Fig. 5 represents a face view of the sign produced.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, in carrying out my invention I apply to the back of a piece of glass A, a coating B of water enamel or color. I then place on said coating or coloring the pattern of the design to be formed, the same in the present case being the word "sign" in a stencil, the letters of which are solid, so that the coating B is covered to the extent of said letters, while the spaces between the letters leave the corresponding portion of the coating uncovered. (Illustrated by the horizontal stripes in Fig. 2.) I now remove the said uncovered portion of the coating by means of a sand blast, a machine-brush, or other suitable appliance, which in the present case will leave the shaped letters of the word "sign" composed of the undisturbed enamel or color, the remainder of the coating having been removed, as will be seen in Fig. 3. The pattern is then withdrawn.

A backing C of oil-paint is now applied over the letters and the back of the glass between the letters, as shown in Fig. 4, whereby the enamel or color of the letters, owing to their nature, absorb some of the oil of the paint, and is thus converted into an oil composition which produces all of the advantages of oil-painted designs without the expense thereof, the letters being also protected by the backing, said letters and the backing as the ground being visible in front, as shown in Fig. 5.

It is to be noticed that I can cut or outline water-color letters or designs with sharpness and rapidity, which is not the case with oil-color letters or designs, and that when a letter or design is made it requires no special skill to form a sign or tablet therefrom in accordance with my improvement.

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

1. A sign consisting of a transparent plate having letters or designs on the back thereof, the same being formed of water-color, and backing of oil-paint on the spaces between said letters or designs, and on said letters or designs, the oil of said paint having been absorbed by the water-color, substantially as described.

2. The method of making a sign, consisting in coating a transparent plate with a color material, adapted to absorb oil, placing a pattern over said material, removing the exposed portion of said material from the plate, displacing the pattern, and then coating with oil-paint the shaped material that remains on the plate and the uncovered part of said plate, thus producing the ground, and having some of the oil of the paint absorbed by the shaped color material, as set forth.

VINCENT A. FERNHOUGH.

Witnesses:

JOHN A. WIEDERSHEIM,
WM. C. WIEDERSHEIM.