

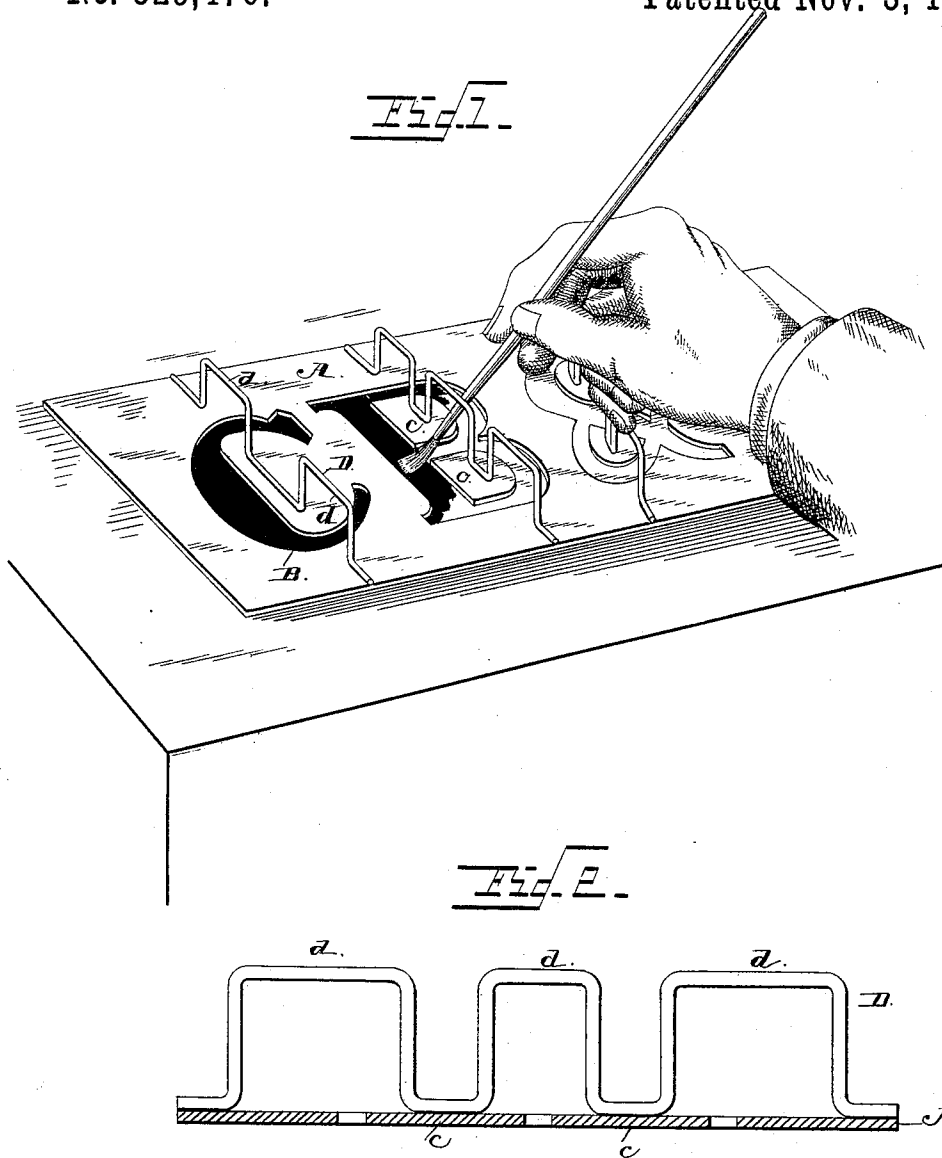
(Model.)

W. J. MILLER.

STENCIL PLATE.

No. 329,476.

Patented Nov. 3, 1885.



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM JOHN MILLER, OF AURORA, ILLINOIS.

STENCIL-PLATE.

SPECIFICATION forming part of Letters Patent No. 329,476, dated November 3, 1885.

Application filed August 17, 1885. Serial No. 174,594. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM JOHN MILLER, a citizen of the United States, residing at Aurora, in the county of Kane and State of Illinois, have invented a new and useful Improvement in Stencil-Plates, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in stencil-plates; and it consists in a stencil-plate having complete letters or figures cut therein, the interior isolated parts of the letters or figures being connected and supported by bent wires secured to the plate and the said isolated parts of the figures, the said securing-wires being bent outwardly between the portions thereof secured to the plate, so as to allow the instrument used in applying the color to pass freely under them, as will be more fully set forth hereinafter.

The object of my invention is to provide a stencil-plate by means of which entire letters or figures can be marked with ease and rapidity, thus avoiding the necessity of connecting the disconnected parts of the letters or figures by hand after the plate is removed.

In the drawings, Figure 1 is a perspective view of a stencil-plate embodying my invention. Fig. 2 is a transverse sectional view of the same.

A represents the stencil-plate, which is made of sheet metal or other suitable material, and in which are cut letters or figures B.

I cut the letters or figures in my stencil-plates entire, and connect the isolated parts (which are indicated by the letter *c* in the drawings) to the main portion of the stencil-plate by means of wires D, which are formed with loops or arches *d*, that span the portions of the characters, letters, or figures between the isolated portions of the plate and the main body thereof. These loops or arches permit the brush or marking-instrument to be in-

serted freely under them and readily manipulated to form the characters, as shown in Fig. 1.

A stencil-plate thus constructed is strong and durable, and forms complete letters or figures, and avoids the necessity of retouching them with a brush after the plate is removed.

I am aware that it has been heretofore proposed to provide a stencil-plate with binding-wires passing across the apertures forming the design, and this I disclaim. I am also aware that it has been heretofore proposed to provide a stencil-plate with a wire-cloth foundation passing across the apertures in the design, and this also I disclaim. Both these forms are objectionable, for the reason that the apertures forming the design are only substantially and not entirely unobstructed, as in mine, forming characters not entirely solid, but streaked where the wires or wire threads pass. My invention differs from these, in that my wires D are bent outwardly from the upper side of the plate and form arches or loops spanning the apertures in the design, and permitting a brush to be freely inserted under them and readily manipulated, as before described.

Having thus described my invention, I claim—

A stencil-plate having wires D spanning the apertures in the design, said wires being bent outwardly from the plate to form loops or arches under which the brush or other marking-instrument may be readily inserted and manipulated to form letters or characters entirely solid, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM JOHN MILLER.

Witnesses:

OSCAR S. HAMILTON,

WILLIAM HENRY CASSIDY.