(Model.)

J. J. CALLOW.

STENCIL PLATE FOR GRAINING.

No. 280,446. Patented July 3, 1883.

Fig. 1.

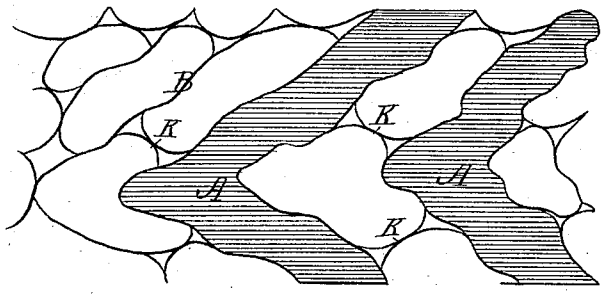


Fig. 2.

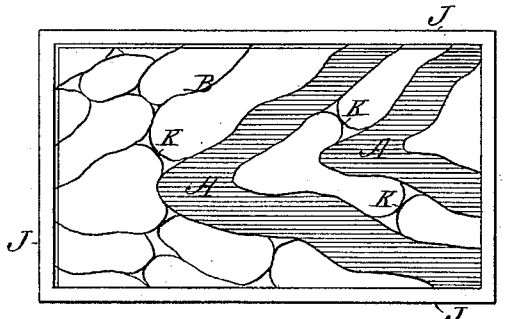
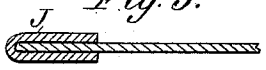


Fig. 3.



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UNITED STATES PATENT OFFICE.

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STENCIL-PLATE FOR GRAINING.

SPECIFICATION forming part of Letters Patent No. 280,446, dated July 3, 1883.

Application filed September 24, 1881. (Model.)

To all whom it may concern:

Be it known that I, JOHN J. CALLOW, of Cleveland, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Stencil Graining-Plates; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

The object of my invention is to produce a stencil-plate for graining which shall be light and strong, yet inexpensive and easily changed in any slight detail of its pattern; and it consists in the construction and combination of parts forming a grainer's stencil-plate, hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figures 1, 2, and 3 illustrate my invention as herein described, the letters of reference designating the respective parts thereof, as hereinafter set forth.

A represents parts of the figure or pattern portion of the plate, made of some thin sheet material, such as sheet brass or tin. These parts are made in separate pieces, cut out with shears; and what is taken from one pattern may serve as a pattern in another plate. Thus every part of the material may be worked up with the greatest economy.

B represents wires or narrow strips of metal, bent to form the pattern. K represents braces, uniting the parts A A and B B together. These braces are curved wires, touching and joining each other near the middle of their convex sides, and joined at their ends to the parts A B of the plate. These braces are shaped and attached, as described, for the purpose of bracing the plate laterally, and for serving as parts of the pattern to give variety to the design in graining. The plate may be wholly composed of the wires or narrow strips B, joined by the braces K; or it may be wholly composed of the pieces of sheet material A, joined by said braces; or it may be composed partly of sheet pieces A and partly of wires or narrow strips B, joined by the braces K; or the plate may be left in one continuous sheet after cutting out parts to leave the form described, the weak lines of the plate being strengthened by leaving the X-shaped connections and only cutting out the parts between them and the rest of the plate. Straight-line connections would not serve the purpose, as they would not assimilate with any pattern of wood-grain. Therefore I make the connections or braces K to join the pattern on easy symmetrical curves, instead of leaving abrupt corners.

In very large plates I provide an outside stiffener, in the form of a frame, J. This frame consists of sheet-metal strips, folded to inclose the ends of the pattern-pieces, to which they may be secured by any usual method, as by soldering. The frame J may be joined together at its four corners, thus keeping the pattern in shape.

The wire parts B may be slightly bent at any time to vary their form to suit individual taste.

As it is my intention to apply for patents for the other inventions shown in this application as originally filed, I hereby reserve the right to do so.

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

1. In stencil-plate made up of several pattern-pieces joined together, the combination, with the pattern-pieces, of curved wire braces joining the same, substantially as specified.

2. The combination, with the pattern-pieces joined together by curved wires braces, of the sheet-metal frame folded over and secured to the ends of the said pattern-pieces, as shown and described.

3. A stencil-plate to imitate the grain of wood, having braces K, integral therewith, shaped with concave curved edges, forming continuous symmetrical lines with the pattern parts thereby joined, as and for the purpose specified.

JOHN J. CALLOW.

Witnesses:
HILLS ADNETT,
JNO. T. SULLIVAN.