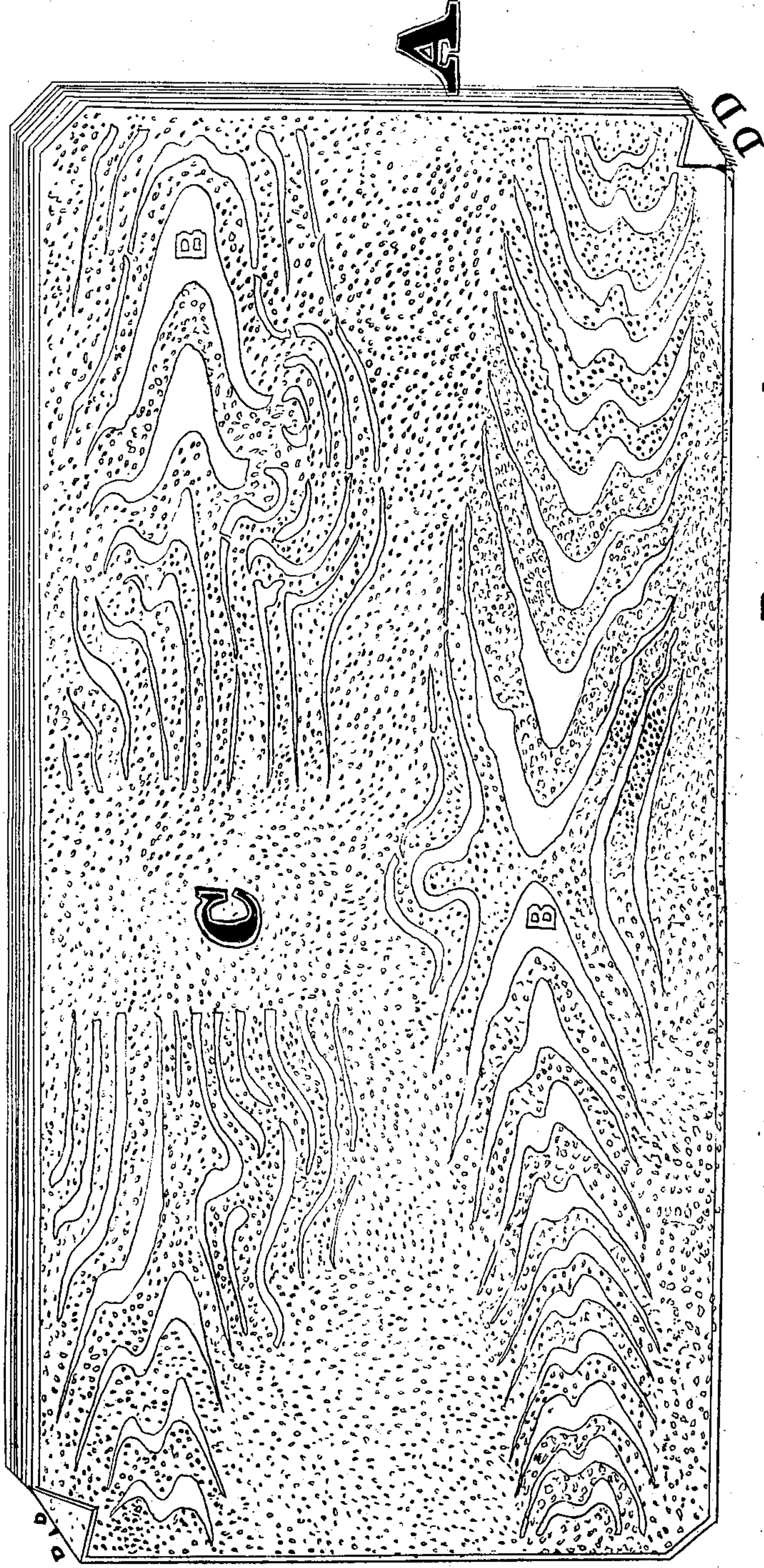


JOHN J. CALLOW'S
 PATENT JUL 5 1870
 IMPROVED
 GRAINING TOOLS.

104929



Witnesses—

John Miller
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United States Patent Office.

JOHN J. CALLOW, OF CLEVELAND, OHIO.

Letters Patent No. 104,929, dated July 5, 1870.

IMPROVED METHOD OF GRAINING.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

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

This invention relates to and consists in a new and improved method of graining the imitations of woods and marbles by the use of stencil plates made to the desired pattern of the grain of the wood or marble to be imitated.

I will now describe the means which I preferably employ to carry out this method. A primary object consists in making the surface or surfaces of the stencil plates sufficiently rough and irregular by puncturing or indenting, or any other way to have the effect of protecting the surface of the plates from marring or soiling the surfaces of the work intended to be grained, as will be hereinafter more fully described.

The drawings represent a surface view of the stencil-graining tool, constructed according to my invention.

A is the stencil graining-tool or plate, and

B, the pattern to be grained therewith.

C is the punctured or indented surface applied thereto, and

D D, the small steel pins, to keep the plate in position while in operation.

The tool A is made of thin stencil brass, steel, or any other suitable metal, cut, pressed, or cast in any desired shape or pattern of graining, as shown at B, with the before-mentioned punctured or indented surface, either cut in or pressed out, as shown at C, and the corner pins D D are kept in their places by turning or bending over a small portion of the plate on the top or heads of the steel pins, as at D D.

These small punctures or dented points on the surface of the tools or plates are to protect a portion of the surface intended to be left untouched from being marred or soiled, while rubbing the surface of the plate and pattern with a rubber or cloth to clean out the pattern, which would be otherwise marred and soiled without the irregular or punctured surface.

It is designed to make various patterns and sizes to fit any place, and to match or correspond with each other to show a variety of design, there being at least ten plates to form a full set of graining tools, more or less, to suit the patterns and grain of the wood or marbles required.

The successive steps to be taken in carrying out my method are as follows:

I rub in or coat with an ordinary painters' brush, the doors or work intended to be grained with any desired graining color. Then I apply the tools or plates, A, flat on the surface, and firmly, by means of the pins D D. I then rub over the entire pattern or tool with a rubber cloth, or any suitable pad. I then take off the plate, and with the ordinary tools, combs, &c., heretofore used by grainers, I complete it to my satisfaction.

In the meantime, while operating with the plate, the indentions or erasures on the surface of the tool or plate protected the entire underneath surface of the work, which is wet-coated, from being injured or soiled while the pattern or design is rubbed clean out to the painted grounds with the cloth or pad.

By my method, all kinds of difficult graining may be executed by unskilled persons with all the facility of practical grainers, and can be used on any size or shape of door or wainscot, which no other machine has been known to do before.

By the methods heretofore in public use, graining is laborious, tedious, and limited to a few individuals, thus making it costly and troublesome and not within the reach of all classes.

Having thus described my invention;

I claim as new and desire to secure by Letters Patent—

The method above described of graining wood, namely, by first painting the color of the wood to be imitated on the door, panel, or other article to be grained; second, immediately thereafter covering the same with a pattern-plate perforated all over at short intervals; third, rubbing the said plate with a rubber cloth; these several steps being taken in the order specified, and the grained surface then being finished off in the usual manner.

Witnesses:

JOHN MILLER,
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