

UNITED STATES PATENT OFFICE.

ALEXANDER FORDYCE BUCHANAN, OF MONTROSE, NEW YORK.

ART OF MAKING STAIR AND TABLE OIL-CLOTH.

SPECIFICATION forming part of Letters Patent No. 353,777, dated December 7, 1886.

Application filed November 8, 1886. Serial No. 218,305. (No specimens.)

To all whom it may concern:

Be it known that I, ALEXANDER FORDYCE BUCHANAN, a citizen of the United States, residing at Montrose, in the county of Westchester and State of New York, have invented a new and useful Improvement in the Art of Making Stair and Table Oil-Cloth, (for which I have obtained no foreign Letters Patent whatever,) of which the following is a specification.

My invention relates to an improvement in the art of making, first, an improved article consisting of stair and table oil-cloth having spots of tint colors (one or more) applied thereto and subordinate to the brocatel or mosaic pattern thereof; second, a complete article of manufacture in stair and table oil-cloth in which one or more tint colors are applied in spots, in combination with printed patterns, after the last "daub coat" is finished and before the last varnish coat is applied; third, an incomplete or unfinished brocatel or mosaic stair and table oil-cloth having spots of tint color or colors applied directly to or upon the last daub coat; fourth, an incomplete or unfinished brocatel or mosaic stair and table oil-cloth having spots of tint color or colors applied to or upon the last daub coat, which has already had placed thereupon the regular brocatel or mosaic pattern thereof; and my invention consists in the improvement in the art of manufacturing the article specified, as herein-after described, and stated in the several clauses of claim annexed hereto. It is especially adapted to what are known in the trade as "brocatels" and "mosaics."

In making brocatels and mosaics (oil-cloths) it has been the usual or customary method to apply several coats of the materials used to the cloth—called "daub coats"—upon which the brocatel or mosaic pattern or design is printed directly and dried, to be followed first by a coat of oil and then by one of varnish in that order, (placed directly upon the pattern without any intermediate step or addition,) which are also dried, when the goods are considered finished.

In this invention I interpose—between the drying of the last daub coat and the application of coats of oil and varnish, and in intimate connection and combination with the characteristic printed design or pattern which

is also applied—an additional step or operation, consisting in applying—by machinery or by hand—one or more tint colors—preferably bright and striking—in spots, which are shaded off or "blended," so as to avoid the appearance of a solid mass of color or the appearance of a regular figure or figures. These tint-color spots I preferably apply directly to and upon the last daub coat before the patterns are printed thereon, as the better method; but I am aware that they may be applied simultaneously or after the patterns are printed upon the last daub coat and before the last varnish coat is applied. The effects desired are produced by the combination of the tint-color spots with the printed patterns in the intermediate stage between the finishing of the last daub coat and the application of the varnish coat. The spots of color so applied show in combination with the principal pattern or design, are subordinate thereto as tints, and do not conflict therewith, but, on the contrary, have the effect of ornamenting, brightening, and enlivening the appearance of the finished goods, since they are so applied as not to conflict therewith, but are shaded or blended so as to produce tinting effects upon parts of the regular pattern or design, and are thus subordinated thereto. These spots of color may be applied in water-colors or in oil-colors, and their application is to be followed by drying.

At the stage or step of the process or proceeding wherein the tint-color spots have been applied directly to and upon the last daub coat and dried I contemplate the temporary arrest or stoppage of further immediate steps and making an article of merchandise of the product at and in that stage, upon which other manufacturers may desire to place or print their own particular designs, to be finished thereafter in the usual way, as if there had been no such arrest of proceedings.

I prefer to apply the spots of color by a separate and independent operation directly upon the daub coat, drying the same before proceeding with the next step or operation; but I do not desire to limit my invention to that method and to the product of that method of procedure, as I am aware that the final or principal pattern may be printed upon or over the last daub coat simultaneously, or while the color spots are still wet or undried, and as

I am also aware that the tint-color spots may be applied after the printed pattern has been printed and dried.

I usually "blend" or "shade" the spots of color by rubbing the same while still wet or undried, as this is the simplest and easiest way; but the blending or shading effects may be produced in other well-known ways, some of which are much more expensive, and therefore open to objection.

The complete article is completed by applying a coat of varnish over the combined tint-color spots and printed patterns (brocatels or mosaics) in the usual way, or in any ordinary or known way, with or without an antecedent coat of oil.

I do not claim in this application the improvement in the article of manufacture, as I have made another application, No. 201,504, filed May 7, 1886, therefor.

What I claim as my invention is—

1. The improvement in the art of making brocatel and mosaic stair and table oil-cloth, consisting in applying over the daub coat spots of tint color—one or more colors—subordinate to the brocatel or mosaic pattern thereof.

2. The improved process of making finished or complete brocatel and mosaic stair and table oil-cloth, consisting in, first, applying the usual daub coat in any known or usual way; second, in adding spots of tint color or colors to the last daub coat before, together with, or after the application of the regular brocatel or mosaic pattern, and, third, the application of a coat of oil and a coat of varnish.

3. The improved process of making incomplete or unfinished brocatel and mosaic stair and table oil-cloth, consisting in applying spots of tint color or colors directly to or upon the last daub coat.

4. The improved process of making incomplete or unfinished brocatel and mosaic stair and table oil-cloth, consisting in applying spots of tint color or colors to or upon the last daub coat, which has already had placed thereupon the regular brocatel or mosaic pattern thereof.

ALEXANDER FORDYCE BUCHANAN.

Witnesses:

F. F. MILLS,
EDWARD S. BERRALL.