

J. Albro.

Printing Floor Cloths.

N^o 26075.

Patented Nov. 15. 1859.

Fig: 1

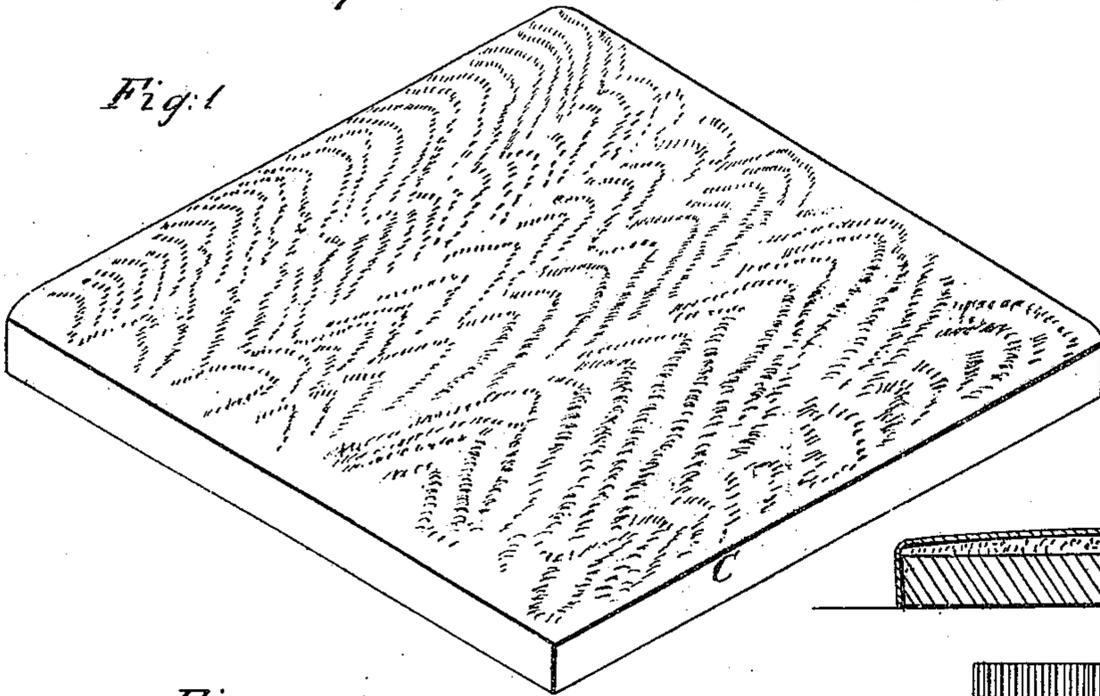


Fig: 2.

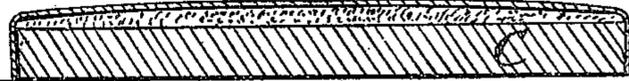


Fig: 4

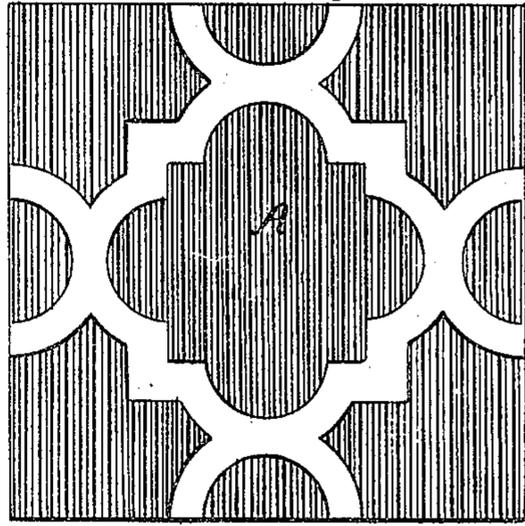


Fig: 3

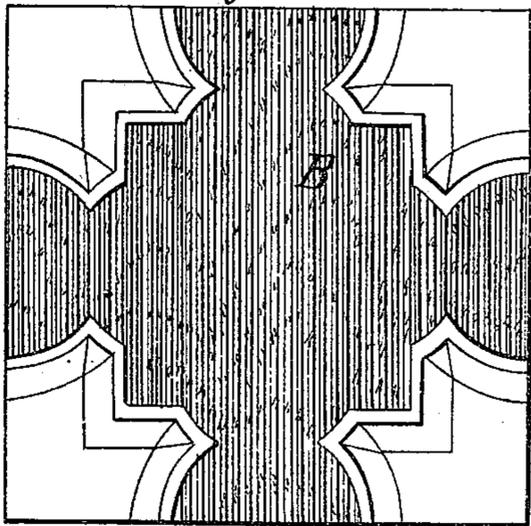


Fig: 8

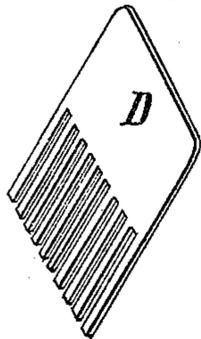


Fig: 6

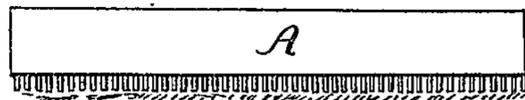


Fig: 5

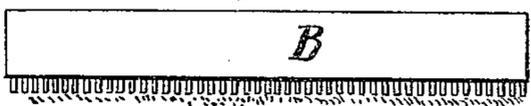
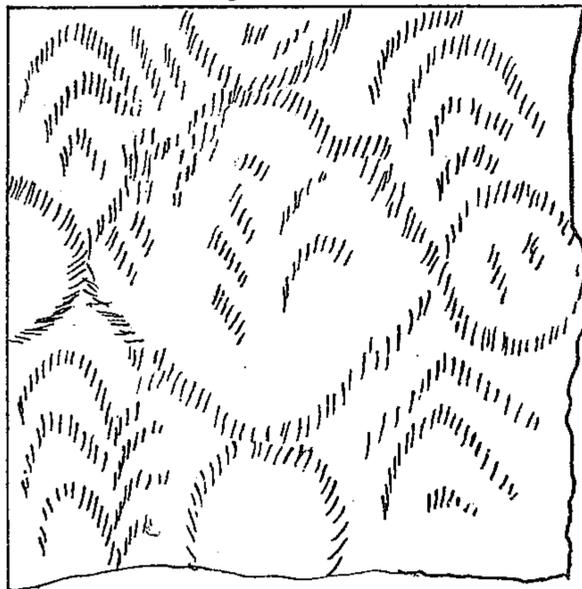


Fig: 7



Witnesses.
M. Tusch
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UNITED STATES PATENT OFFICE.

JAMES ALBRO, OF ELIZABETH, NEW JERSEY.

METHOD OF PRINTING FLOOR-CLOTHS.

Specification of Letters Patent No. 26,075, dated November 15, 1859.

To all whom it may concern:

Be it known that I, JAMES ALBRO, of Elizabeth, in the county of Essex and State of New Jersey, have invented a new and
5 useful Improvement in Printing Floor-Cloths; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this
10 specification, in which—

Figure 1, is a perspective view of a pad or cushion on which the color is distributed and from which the block is charged. Fig. 2, is a vertical section of the same. Figs. 3
15 and 4, are face views of blocks. Figs. 5 and 6, are vertical sections of the same. Fig. 7, is a view of a piece of floor cloth printed according to my invention. Fig. 8, is a perspective view of a comb used in the
20 process.

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

The object of this invention is to print
25 floor cloths of various designs in imitation of wood, technically termed "graining", and also in imitation of marble or any substance or material which has a veined, variegated or clouded surface similar to many species of woods and marbles.

30 The invention consists in a novel way of charging the blocks with color, so that the latter will be distributed or so disposed on the face of the block that it will be transferred, under suitable pressure of the block,
35 direct to the cloth so as to produce the desired effect. This result is obtained by covering the pad or cushion with a suitable quantity of color and by means of a "comb" or other convenient tool or imple-
40 ment scratching or "graining" the surface of the pad or cushion in a manner similar to that done by painters in imitating different woods, marbles, etc. The pad or cushion thus treated having an ornamented sur-
45 face of color which is transferred to the block as the latter is pressed on it and said color under the pressure of the block transferred to the cloth.

To enable those skilled in the art to fully
50 understand and construct my invention I will proceed to describe it.

In carrying out this invention I prefer to use the blocks which have parallel bars or ledges to form the ground work of the fig-
55 ure. The cloth to be ornamented or printed

according to my invention may be prepared in the usual way, and the block A, first used is charged with color the same as usual and pressed on the cloth leaving an impression
60 or figure formed of parallel lines, as shown in Fig. 4. In Fig. 3, the second block is shown. This block B, is charged with a color darker than that used on block A, and it is pressed on the cloth so that its bars or
65 ledges will fit between the lines formed by the preceding block thereby covering the surface of the cloth.

The pad or cushion C, from which the block B, is charged with color is shown in
70 Figs. 1 and 2. This pad or cushion is constructed in the usual way and covered with a suitable quantity of the color. The face of the pad or cushion is then "combed" or scratched by means of a painter's "comb"
75 D, shown in Fig. 8, so that the color on C, will be removed from some spots and raised in ridges on others, the surface of the pad resembling the grain of wood or the clouded or mottled appearance of marble according
80 to the style or character of the "combing." In Fig. 1, the "combing" is intended to represent the "graining" of wood.

After the pad or cushion C, is "combed" or "grained" as described, the operator
85 presses the block B, on it and said block will be charged with color, said color being disposed on the face of the block in a manner corresponding precisely with the
90 "combed" or "grained" surface of pad or cushion C, see Figs. 3 and 5, and when block B, is pressed on the cloth, the color will be transferred to it in precisely the same state, (see Fig. 7,) in other words, the
95 "combing" or "graining" of the pad or cushion C, will be transferred by the block B, to the cloth, with this difference, however, that the pressure of the block on the pad or cushion and also on the cloth, serves
100 in a measure to soften or blend the "combing" or "graining" which effect is still further increased by the parallel bars or ledges of the block. The whole when finished being a very excellent imitation of either wood or marble according to the style of "combing" made by the operator on the pad or
105 cushion C.

It will be seen from the above description that the invention is not restricted to the employment or use of two blocks, the
110 invention being applicable to complicated

and chased designs representing intricate inlaid work of various woods or marbles, various colors being used according to the nature of the work.

5 I am aware that in printing upon paper it is common to mix different colors upon a tablet, and then by a roller or ball to apply the mixture to the types after which an impression is taken by a press in the usual
10 manner. I therefore disclaim the above method; but

Having thus described my invention, I

claim as new in the printing of oil cloths and desire to secure by Letters Patent,

The production of grained or variegated 15 designs upon oil cloth by applying the printing blocks to cushions or pads upon which the colors have been previously "grained" or "combed" as herein set forth.

JAMES ALBRO.

Witnesses:

R. S. SPENCER,
W. TUSCH.