

L. JAROSSON.
PRINTING BLOCK FOR PRINTING FABRICS.

No. 11,954.

Patented Nov. 14, 1854.

Fig. 7.

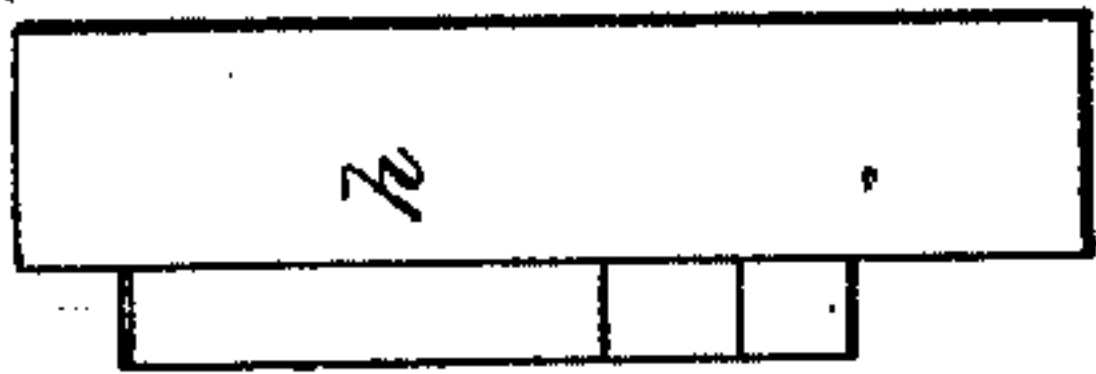


Fig. 4.



Fig. 6.

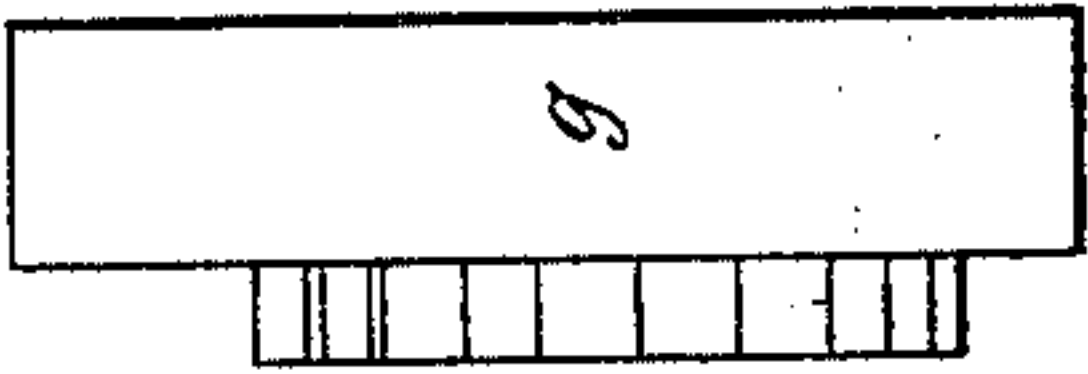


Fig. 3.



Fig. 2.

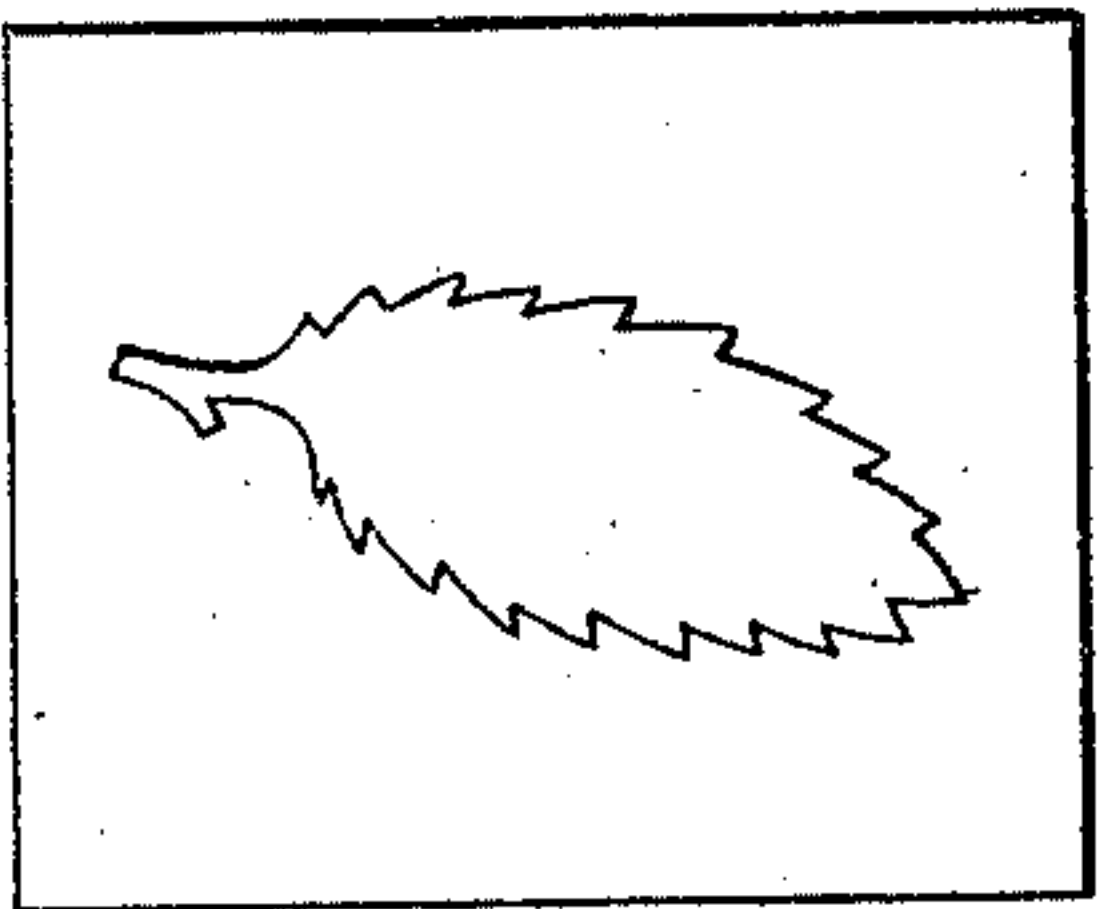


Fig. 5.

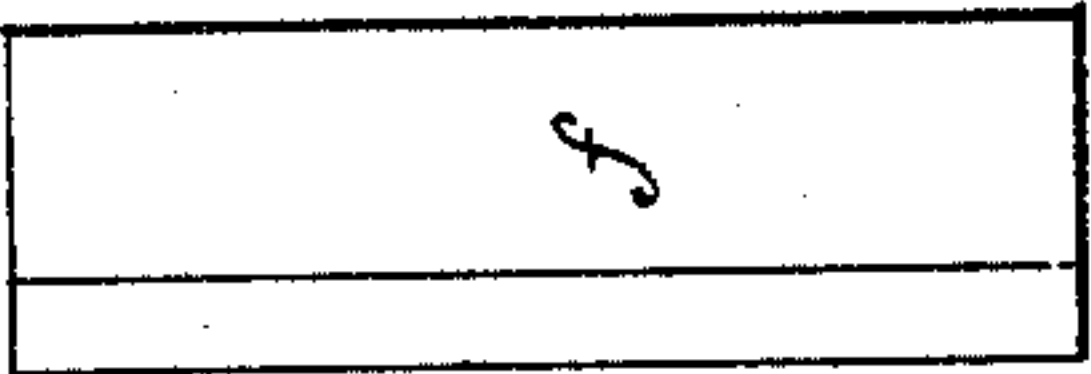


Fig. 1.

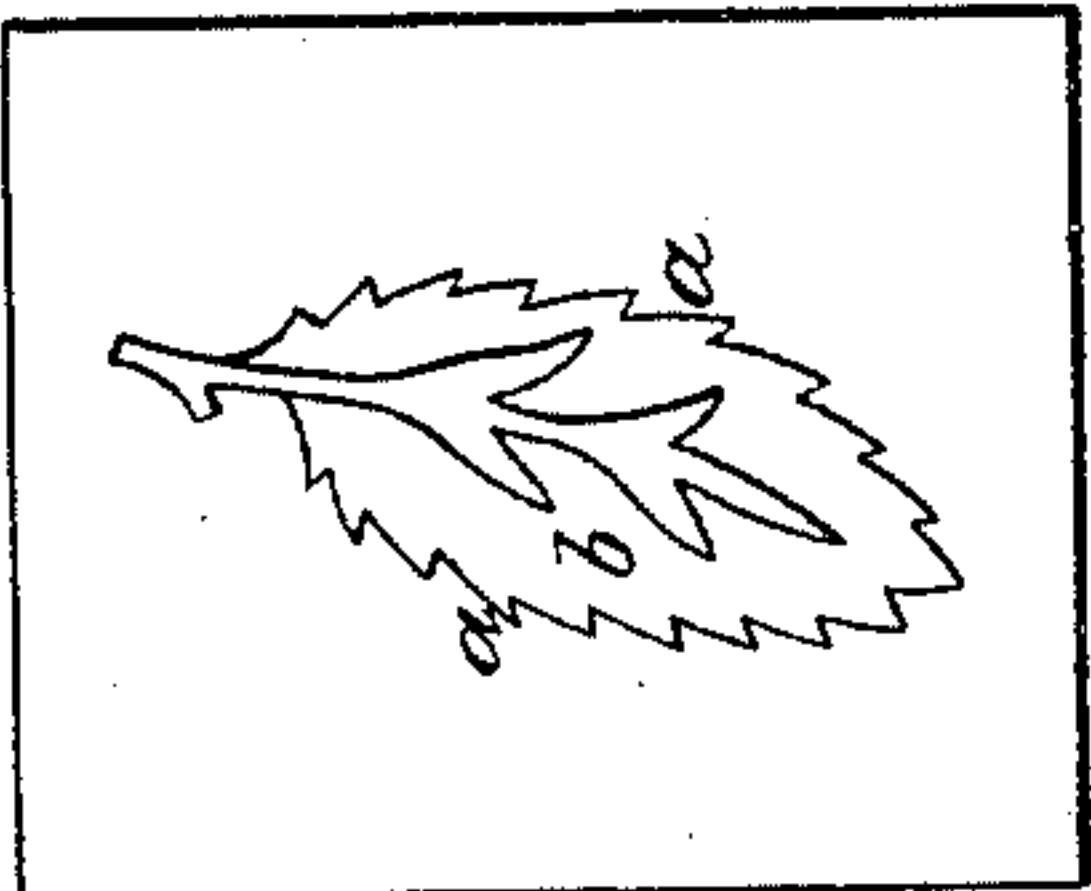


Fig. 9.

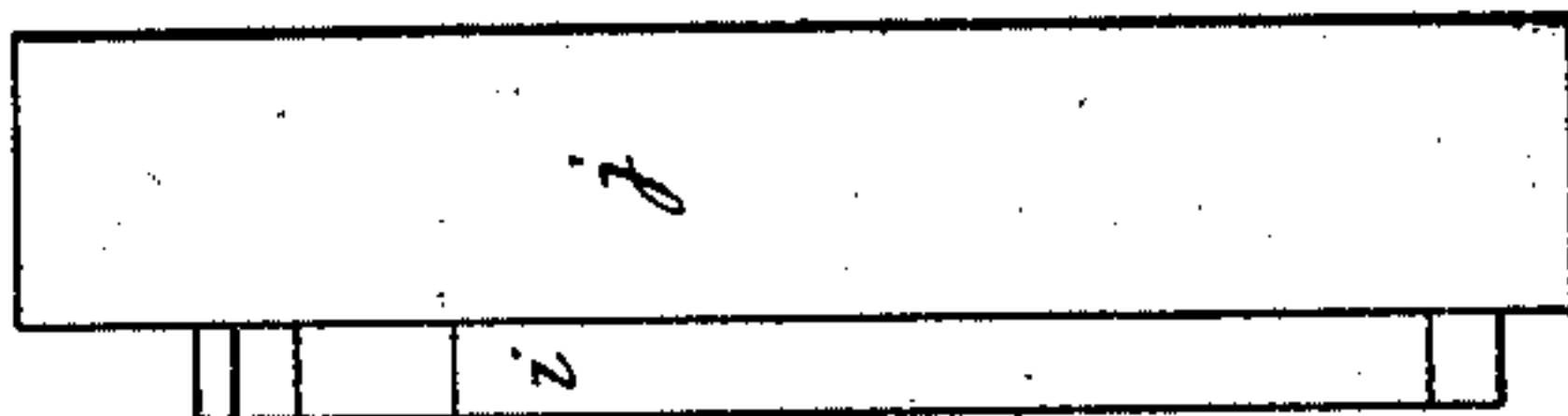
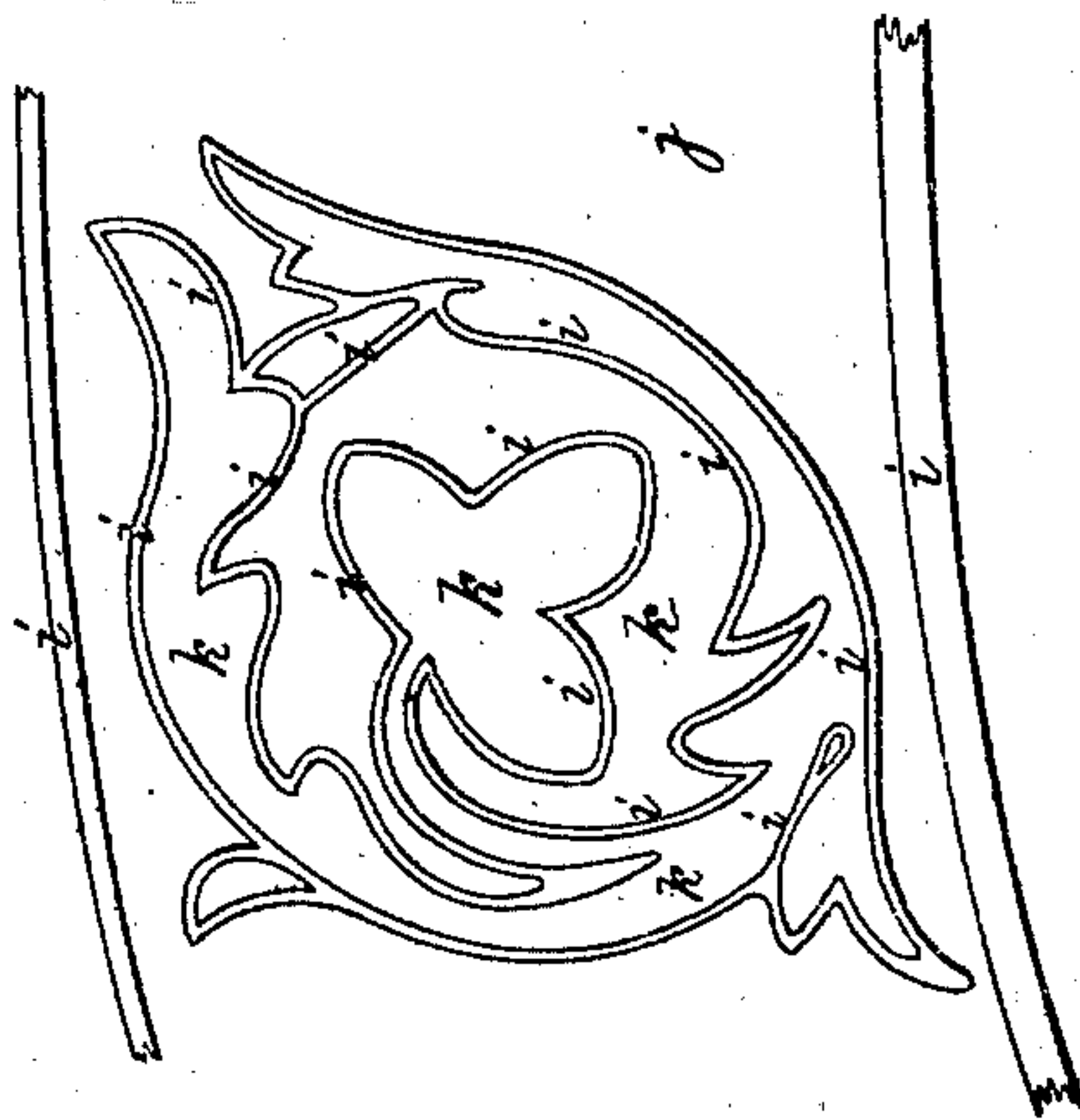


Fig. 8.



UNITED STATES PATENT OFFICE.

LEON JAROSSON, OF JERSEY CITY, NEW JERSEY.

METHOD OF CONSTRUCTING PRINTING-BLOCKS.

Specification of Letters Patent No. 11,954, dated November 14, 1854.

To all whom it may concern:

Be it known that I, LEON JAROSSON, formerly of Lisle, France, but now of Jersey City, New Jersey, have invented an Improvement in the Method of Making Printing-Blocks for Printing Fabrics, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1, represents the figure or design delineated; Fig. 2, the printing face for printing the ground and with the figure cut out; Fig. 3, represents the block cut out of Fig. 2, to print one part of the figure; Fig. 4, another figure cut out of Fig. 3; Figs. 5, 6 and 7, represent Figs. 2, 3 and 4 as secured to suitable blocks; Fig. 8, represents a face view; and Fig. 9, an edge view of a block with a different figure to be produced at one impression.

In making printing blocks for what is known as block printing, the mode heretofore and now practiced is to produce the figure required in relief by cutting the substance of a solid block all around the figure thus left in relief, the operation being the reverse of engraving, in which the figure to be printed is in intaglio, that is cut in below the surface. This method of producing printing blocks is attended with great labor, requires great attention, and, as a consequence, is expensive.

The object of my invention is to reduce the cost of producing printing blocks, and consists in cutting out the figures required in whole or in sections, by means of a saw or other instrument, from thin plates of felt (prepared according to a process for which I have made separate application for Letters Patent) or wood or other suitable substance of the thickness of the intended or required relief, and then securing them by glue, cement or other suitable means to the face of a block of the required size for printing.

I take a plate of prepared felt, or wood, or other suitable substance of a thickness equal to the required relief of the figures and of uniform thickness. On one surface of this I draw the design or figure required as at Fig. 1, and by means of a fine and very narrow saw, or other suitable instrument, I cut along the lines of the figure as at *a*, Fig. 1, until I have cut out the part *b*. This forms the surface for printing the ground as represented by Fig. 2, and also the surface Fig.

3 for printing the figure *c* of a different color. I then cut along the line *d* and thus separate the surface Fig. 4 for printing, with a third color, the figure *e* within the figure *c*. These several pieces being cut the one out of the other in succession, must necessarily correspond in configuration minus the thickness cut away by the saw or other instrument. They are then properly arranged in place on the surfaces of blocks *f*, *g*, *h*, of suitable size and thickness for block printing and there secured with glue, cement or other suitable means for working in the process of printing the successive colors. It is only necessary to secure these several figures in proper positions on their several blocks to insure the printing of the successive colors in their proper places, for Fig. 3 being cut out of Fig. 2 will print on that part of the cloth which will not be touched by Fig. 2; and Fig. 4 being cut out of Fig. 3 will print where Figs. 2 and 3 will not touch, the thickness removed by the saw or other instrument being about equal to the spread of the colors at each impression.

Fig. 8 represents an entirely different design delineated on the surface of a plate of prepared felt, wood or other suitable substance of the required thickness. With a fine saw or other instrument I cut all along the lines of the design, and if the figure is to be printed on a fabric of the color of the intended ground, I take the pieces marked *i* and secure them to the face of a suitable block *j*, Fig. 9, and print therewith, and if the ground is also to be printed, I secure the piece *k* to another block in like manner, and first print the design with Fig. 8 and then print the ground all around the design as in the first example. In this way blocks for printing the most intricate and delicate designs can be produced at much less cost than by any other mode heretofore known.

I am aware that letters and other characters have been cut out of sheets of felt or other substance and then secured to the surface of a block—and I, do not therefore claim broadly the cutting a character out of a sheet or plate of the thickness of the intended relief; but

What I do claim as my invention in the improvement of block printing, is—

Cutting the several parts of the design, or the design and ground, the one out of the other, from a plate or sheet of prepared felt, wood or other suitable substance of the

thickness of the required relief, and then
securing the parts to the surface of blocks
by means of cement, glue or other suitable
means substantially as specified, by means
5 of which I am enabled greatly to reduce the
cost of producing the printing blocks, for
by the one act of cutting I produce two
printing surfaces, to print with different
colors, and in that proportion whatever may

be the number of colors of the intended de- 10
sign, and by which also I insure the exact
fit of the several blocks for printing the
several colors as specified.

LEON JAROSSON.

Witnesses:

C. KEENAN,

WM. H. BISHOP,

HENRY C. BANKS.