Jan. 15 , 1924.

J. LIPOTI

1,481,017

EMBELLISHMENT OF TEXTILE FABRICS, ETC

Filed June 1, 1923

Fig. 1.

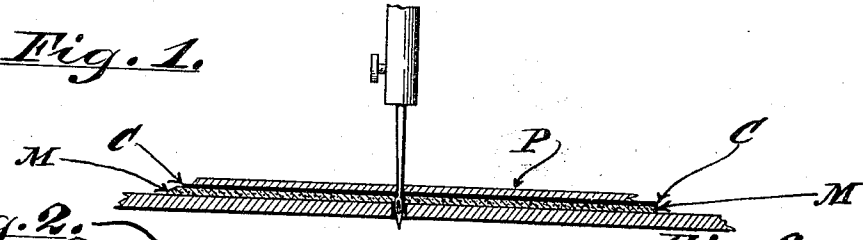


Fig. 2.

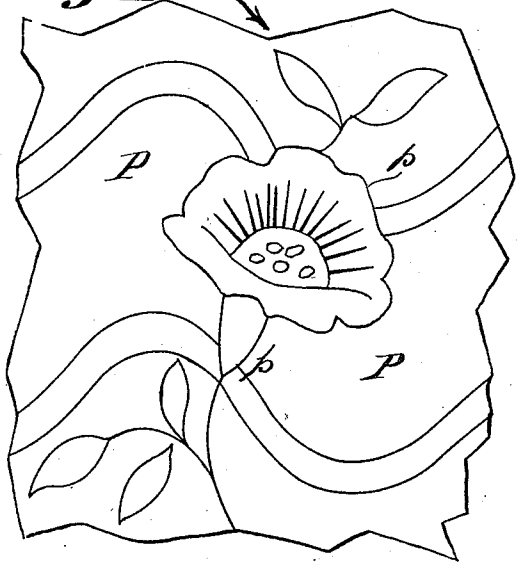


Fig. 3.

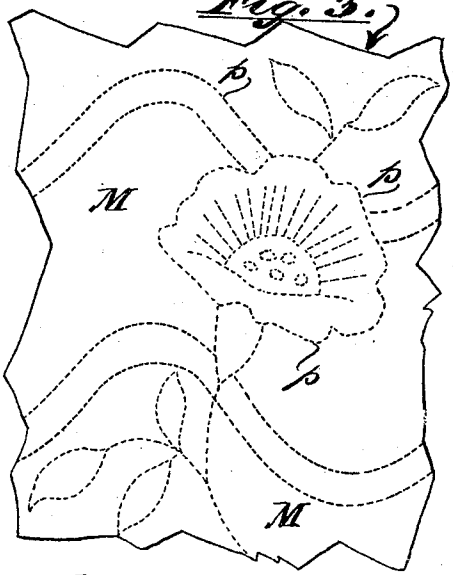


Fig. 4.

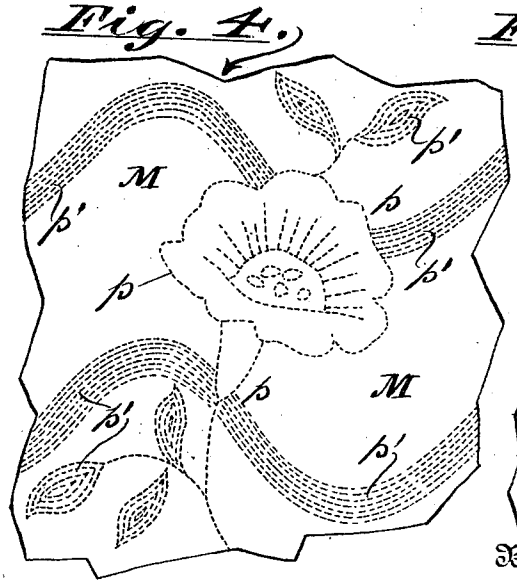
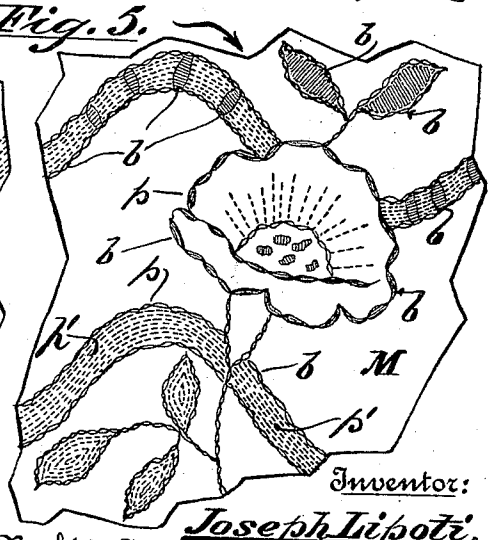


Fig. 5.



Inventor:
Joseph Lipoti,
By his Attorney,
Leo. F. Miath

Patented Jan. 15, 1924.

1,481,017

UNITED STATES PATENT OFFICE.

JOSEPH LIPOTI, OF JERSEY CITY, NEW JERSEY.

EMBELLISHMENT OF TEXTILE FABRICS, ETC.

Application filed June 1, 1923. Serial No. 642,826.

To all whom it may concern:

Be it known that I, JOSEPH LIPOTI, a citizen of the United States, and a resident of Jersey City, county of Hudson, and State of New Jersey, have invented certain new and useful Improvements in the Embellishment of Textile Fabrics, Etc., of which the following is a specification sufficient to enable those skilled in the art to which the invention appertains to utilize the same.

While intended more particularly for use in conjunction with the art of embroidery, my improvements relate essentially to a new method and means whereby color designs may be transferred to cloth of any kind, as felt, textile fabrics, etc., for purposes of embellishment by embroidery or analogous ornature.

To this end the invention consists primarily in transferring the design on a pattern sheet to the cloth in color derived from a pigment sheet interposed between said pattern sheet and the cloth to be decorated—the transfer of color-pigment being effected by a sewing machine needle, or equivalent piercing device, which penetrates all three of the superposed sheets; and secondarily, in supplementing the colored design thus attained on the cloth by means of embroidery or equivalent superficial adjunctive stitch embellishment, all as hereinafter fully set forth.

In the accompanying drawings,

Fig. 1, represents diagrammatically my method of transferring a pattern in color to a layer of cloth by means of a pigment sheet interposed between said cloth and the pattern sheet.

Fig. 2, is a face or top view of a portion of a pattern sheet;

Fig. 3, is a face view of a piece of cloth to which the design shown in Fig. 2, has been transferred in outline;

Fig. 4, is a similar view illustrating the color filling of certain portions of the design;

Fig. 5 is a similar view showing the color design supplemented by embroidery.

In the practical utilization of my invention I take a layer M, of silk or other desired fabric or material, of suitable size, and impose thereon a sheet C, of paper or other relatively thin flexible material on or in which is incorporated a color pigment, such for instance, as so called "carbon paper", which may be obtained commercially in different colors and shades thereof.

The material M, to be decorated, and the sheet of the color-medium C, are stretched taut upon and as related to each other, and so secured by suitable means, as well as the pattern sheet P, which is placed on top of the sheet of color medium C, and the three layers M, C and P, thus superimposed are placed on the work table of a sewing machine, such for instance as that of an embroidery machine, an automatic pantograph machine, or the like, of sufficient size and capacity.

The pattern p, on the sheet P, is then transferred in color to the layer M, of material to be embellished by piercing all three of the superposed layers M, C, and P, by means of the machine needle or needles, which transfer the color-pigment on the sheet C, in part, to the upper surface and body of the material M, in sufficient quantity to be perceptible thereon, and to clearly define the design as followed on the pattern sheet P. Thus the outline of the pattern may be first transferred, the needle punctures being, of course, in close proximity to each other; and if certain parts of the pattern are to be filled in with body color, p', these portions are punctured to the desired degree to attain the effect sought.

By the substitution and use of pigment sheets C, of different colors, one after another, in connection with the same pattern sheet P, and material M, various combinations of color effects may be attained, and the possibilities in this respect are unlimited.

After the material M, has thus had the design transferred to it in one or more colors, as may be desired or found most expedient, it may be further embellished by stitching, as by embroidery, bead work, or the like, following the requirements of the color design, so that the latter will show through and form a base or back ground for such supplementary means of ornature.

It is to be understood that the punctures approximate each other more or less closely according to the effect desired. Where a solid, practically continuous color surface is required the punctures are correspondingly close, the distance in other cases being varied to attain blending or shading effects.

The color pigment is taken up and held

by the cloth with sufficient tenacity to adhere thereto firmly under ordinary conditions of the use of the cloth so decorated; and the supplemental ornate stitching, as embroidery, by its protuberance beyond the color surface tends to protect the same from direct frictional contact with extraneous objects.

In Fig. 5, the use of embroidery *b*, is indicated to supplement the color design, and the embroidery stitching utilized for this purpose may obviously be of any well known or desired character.

While the production of the cloth goods thus embellished, must, in a commercial sense, be produced on a relatively large scale, as by the needles of an embroidery machine of a well known type known in the art relating thereto, it is obvious that the essential features of my invention might be accomplished by hand work, so that I do not limit myself in this respect.

Furthermore my method of embellishment admits of variation and individualizing of certain parts of the general design by embroidery or other form of ornate stitching.

It is to be understood that where machinery is used in which the pattern is transmitted to the goods automatically, as in well known types of automatic shifting or shutter mechanism, the pattern P, is not imposed on the pigment sheet C, but is attached to the pattern board in the usual way.

What I claim as my invention and desire to secure by Letters Patent is,

1. The method herein described of transferring patterns in color to cloth, consisting in superposing thereon a color-pigment sheet with a pattern sheet thereon, and then puncturing all three sheets, in accordance with the pattern, substantially in the manner and for the purpose set forth.

2. The method herein described of embellishing cloth, consisting in transferring thereto a pattern in color by superposing on the cloth a color pigment sheet interposed between it and the pattern sheet, then puncturing all three sheets simultaneously to effect a color scheme, and then supplementing the latter by stitch ornature, substantially in the manner and for the purpose set forth.

3. As an article of manufacture, a cloth having a pattern in color imposed thereon by means of a color pigment sheet interposed between it and a pattern sheet, the color pattern being transferred to the cloth by the simultaneous puncture of all three sheets, substantially in the manner and for the purpose set forth.

4. As an article of manufacture, an embellished cloth of the character designated having a pattern in color imposed thereon by means of a color pigment sheet interposed between it and the pattern sheet, the color pattern being transferred to the cloth by the simultaneous puncture of all three sheets, and the color scheme thus attained being supplemented by stitch ornature, substantially in the manner and for the purpose described.

5. The method herein described of transferring patterns in color to cloth, consisting in superposing thereon a color pigment sheet, and then simultaneously puncturing said pigment sheet and the cloth in accordance with the pattern, substantially in the manner and for the purpose described.

6. As an article of manufacture, a cloth having a pattern in color imposed upon it by means of a color-pigment sheet imposed thereon, both the cloth and the color pigment sheet being simultaneously punctured in accordance with the pattern, substantially in the manner and for the purpose described.

JOSEPH LIPOTI.

Witnesses:
MARGARET K. HANSTEIN,
GEO. WM. MIATT.