

H. SPIEGEL.
METHOD FOR PRODUCING PICTURES UPON FABRICS.
APPLICATION FILED MAR. 10, 1910.

978,500.

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Fig. 1.

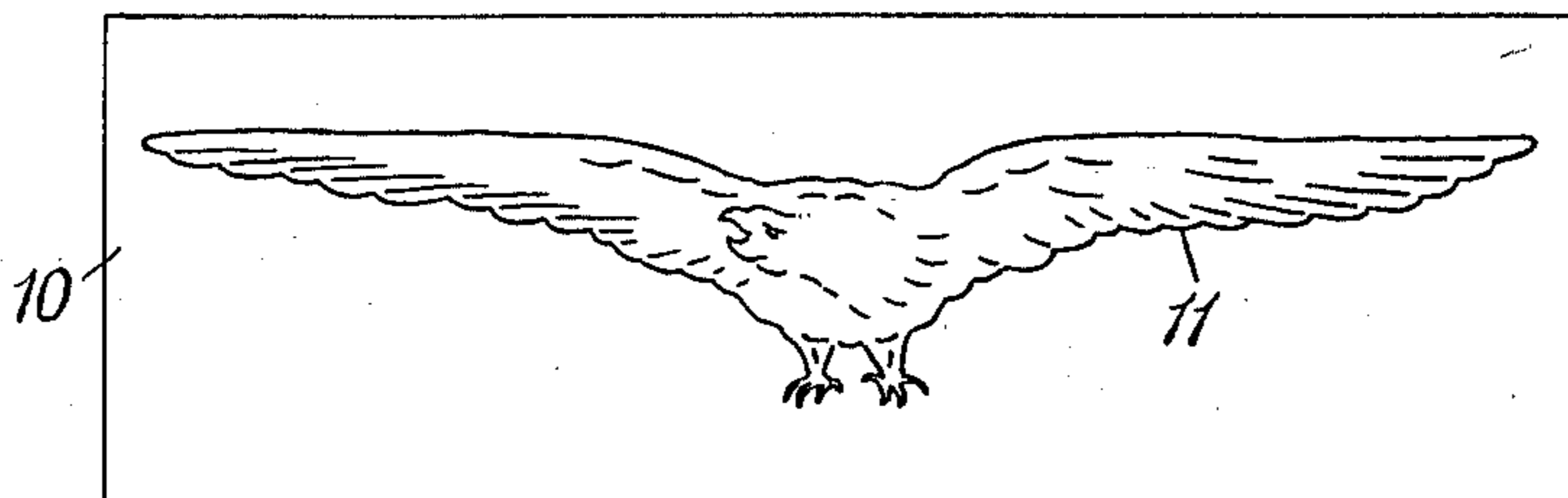


Fig. 2.

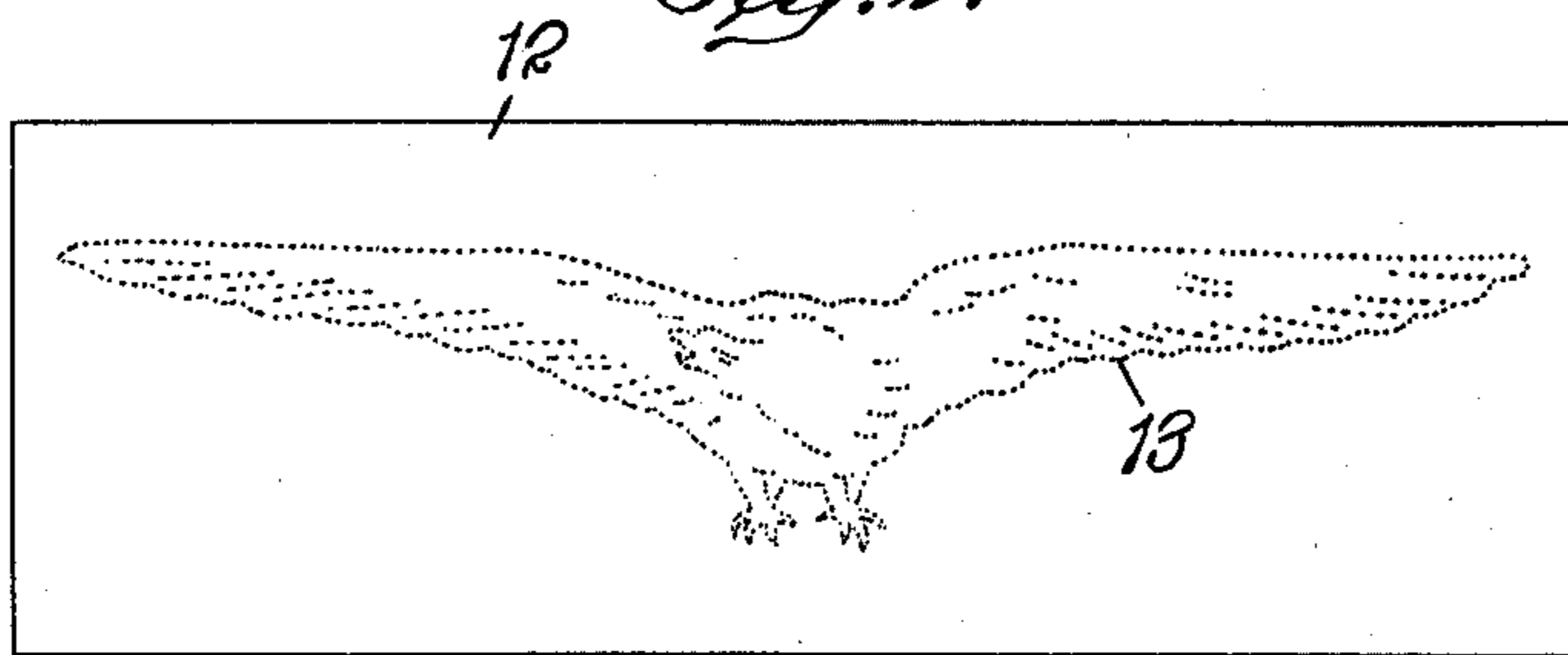


Fig. 3.

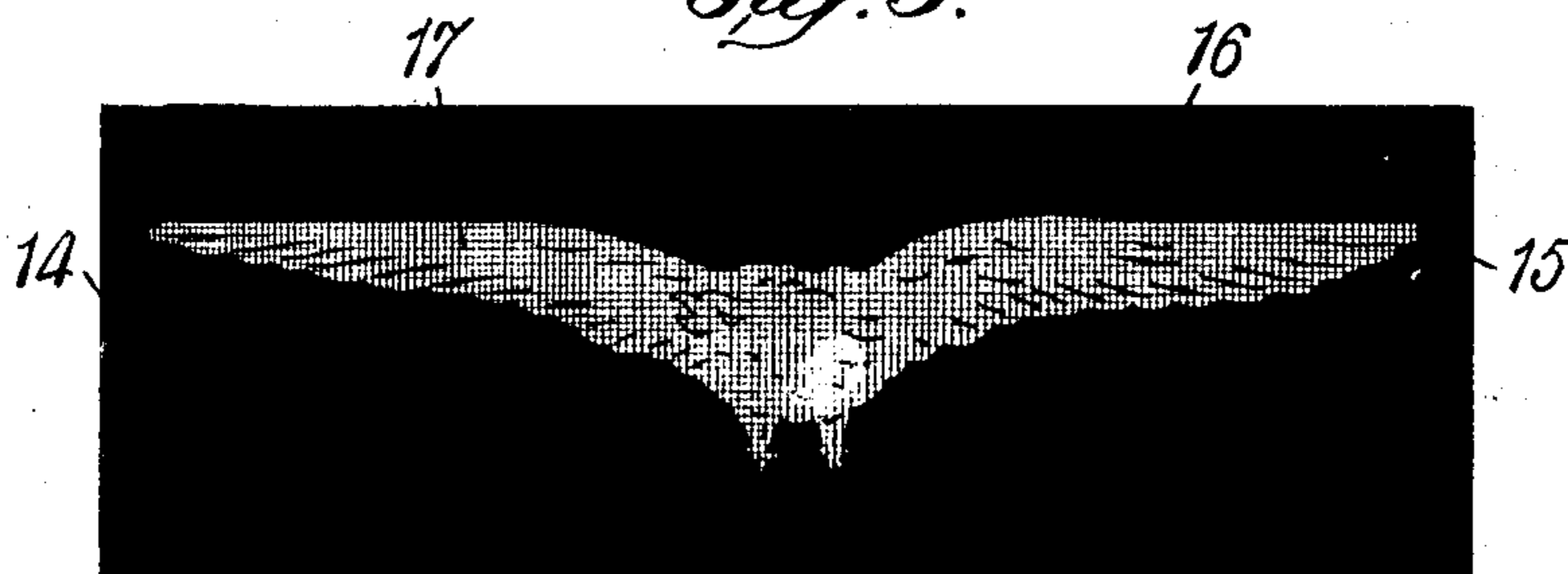
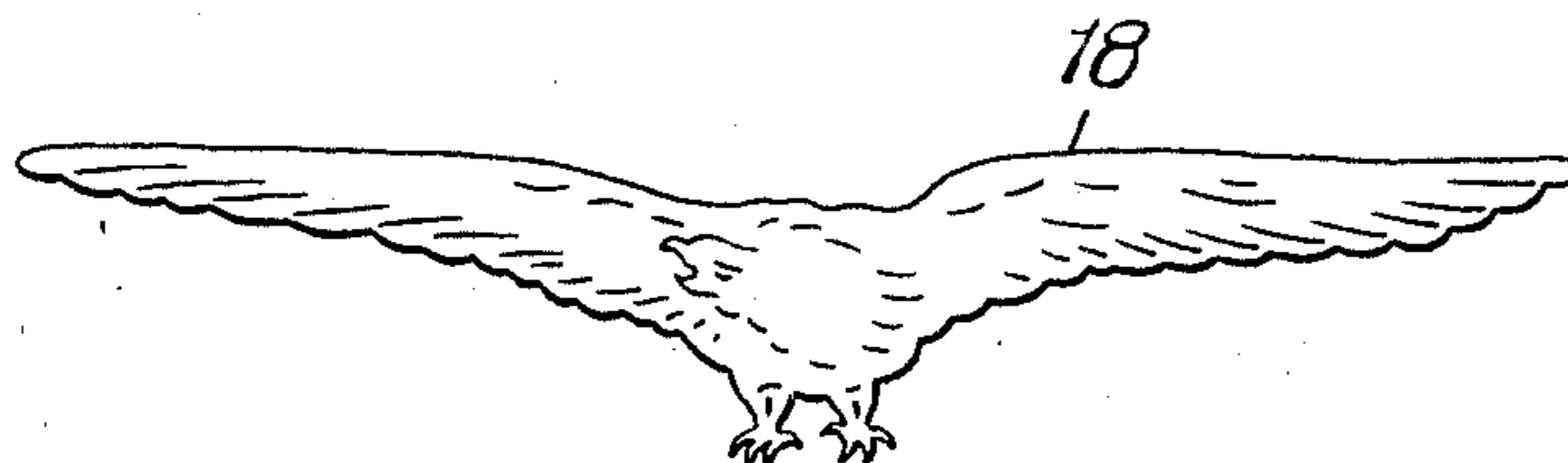


Fig. 4.



WITNESSES:

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METHOD FOR PRODUCING PICTURES UPON FABRICS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HERMAN SPIEGEL, a citizen of the United States, and a resident of New York, borough of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Methods for Producing Pictures Upon Fabrics, of which the following is a full, clear, and exact description.

10 This invention relates to the production in multi-colors of pictures, fanciful designs, insignia and the like upon fabric or similar material.

15 The primary object of my invention is to provide simple and inexpensive means adapted to produce effectively in one or more colors portraits of persons and pictures of various kinds, such as animals, scenery, emblems, coat of arms, flags, etc., upon 20 cloth, felt, other fabrics or any preferred material and which may be used for ornamental, decorative and useful purposes in houses, lodge rooms, stores, public halls or other like places.

25 My invention further provides efficient means adapted to readily and cheaply reproduce upon fabric or any desired material, pictures, portraits, flowers, designs, etc., in true, original colors, form and artistic 30 detail in the same size, or on an enlarged, or reduced scale.

35 The invention furthermore consists of certain other novel features as hereinafter described and more particularly pointed out in the claims at the end of the description and illustrated in the accompanying drawings forming a part of this specification.

40 In the drawing, Figure 1 is an illustration of a pattern-plate or sheet of desired material with the picture drawn thereon and which is to be reproduced upon a piece of fabric. Fig. 2 is a view of the pattern-plate or sheet having the outlines of said picture perforated by a perforating apparatus. Fig. 45 3 shows an impression-plate or metal screen used for stenciling the picture upon the fabric, and Fig. 4 illustrates a cut-out of the finished picture upon the fabric or any suitable material.

50 In the means employed for carrying out my invention I provide a pattern-plate or sheet 10 of paper, cardboard or any suitable material on which is drawn a picture in outline, as at 11, by preferably pen and ink and 55 which is to be produced on felt, cloth or the like. The picture 11 may be an eagle, as

shown, or any original drawing or reproduction, of a fanciful or decorative nature, such as flags, emblems, coat of arms, etc. One or a number of matrices or stenciling sheets or 60 plates 12 are made with the picture 11 reproduced in perforations therein, as at 13, indicated by dotted lines in Fig. 2, by providing one or more sheets of paper or suitable material and formed into layers under 65 the pattern-plate or sheet 10, and then perforating the lines of the picture or design 11 by any convenient perforating means or apparatus. Obviously one or any desired number of the matrices or stenciling sheets 12 70 may be made at once so that a number of operators may be employed at the same time in stenciling the picture 11 for producing one or a number of impression plates, as at 14, Fig. 3. To provide the impression plate 14 75 a sheet of metal cloth, as at 15, or screen-woven material of any suitable kind may be employed, and upon one surface of which the picture 11 is transferred or impressed through the perforations 13 of the matrix 12 80 by the use of stenciling brushes or other suitable appliances. The body of the impression plate 14 surrounding the configuration of the picture 11 is covered with a heavy layer or coating of paint or other impervious material as indicated at 16, to prevent the colors in the operation of stenciling 85 from passing through the body of the impression plate 14, and serving to permit clear and distinct impressions to be made of 90 the configuration of the picture 11. The perforations 13 of the body of the picture 11, which set forth the details of the subject of the picture, for instance, the wings, head, neck and claws of an eagle, are also covered 95 with a coating of paint or impervious material for the purpose of silhouetting said details in producing the picture upon the desired material.

100 In the operation of making a picture by my improved means the impression plate 14 is laid upon the fabric or material on which the picture is to be produced, and a ground of any desired color is stenciled through the interstices 17 of the impression plate by the 105 use of a brush or other appliance, and for producing a combination of effects upon said ground colors of complementary tints may be stenciled in like manner through the interstices 17 of the impression plate. After 110 removal of the impression plate 14, indistinct parts or spots of the picture, are

touched-up by hand, and other color-effects, such as the eyes, mouth and other parts of an animal, which are not specifically shown upon the matrix may then be readily and
5 quickly painted by hand so as to give the subject of the picture a realistic aspect and finish. When animals, birds, or the like are finished upon the fabric the picture may be cut-out as indicated at 18 in Fig. 4, there-
10 by providing very attractive and effective forms for certain uses and purposes.

It is clear, that changes may be made in the form of the design or the various parts comprising the means for producing pic-
15 tures upon fabric, or in the subjects for the picture or colors employed without departing from the scope and purpose of the invention, therefore I do not wish to be limited to the particular form of device
20 herein described and shown.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. Method of producing a matrix for
25 transferring pictures upon fabrics which consists in making a pattern-plate of cardboard, having a picture drawn thereon in outline, perforating the outlines of said picture to form stenciling matrices and stenciling
30 said drawing upon an impression plate by means of said matrices and coating the body of the impression plate surrounding the configuration of the drawing with impervious material.

35 2. Method of producing a matrix for transferring pictures upon fabrics which consists in drawing a picture upon suitable material, perforating the outline of said

picture to form a stenciling matrix, and stenciling the picture upon a metal plate
40 having interstices therein by the use of said stenciling matrix, and coating the body of said metal plate surrounding the configuration of the picture with a layer of paint, so that colors will pass only through said in-
45 terstices in stenciling the picture upon fabric by the use of said metal plate.

3. Method of producing pictures upon fabrics consisting in making a drawing in
50 outline upon a suitable material, perforating said drawing for making a stenciling matrix, stenciling the pictures upon a screen-woven stenciling plate, covering the body of said stenciling plate surrounding the configuration of the drawing with a
55 layer of impervious material and finally stenciling the drawing upon a fabric by suitable means.

4. Method of producing pictures upon fabrics which consists in making a pen and
60 ink drawing upon a pattern-plate perforating the outlines of said drawing to form stenciling sheets, stenciling the drawing upon a metal screening, coating the face of said metal screening beyond the outlines of
65 the picture with paint, and finally impressing the picture through said metal screening upon a piece of fabric in multicolors by means of stenciling brushes.

This specification signed and witnessed
70 this 8th day of March A. D. 1910.

HERMAN SPIEGEL.

Witnesses:

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