

W. H. BOONE.  
ORNAMENTATION OF OPEN MESH FABRICS.  
APPLICATION FILED JUNE 17, 1910.

998,952.

Patented July 25, 1911.

FIG. 1.

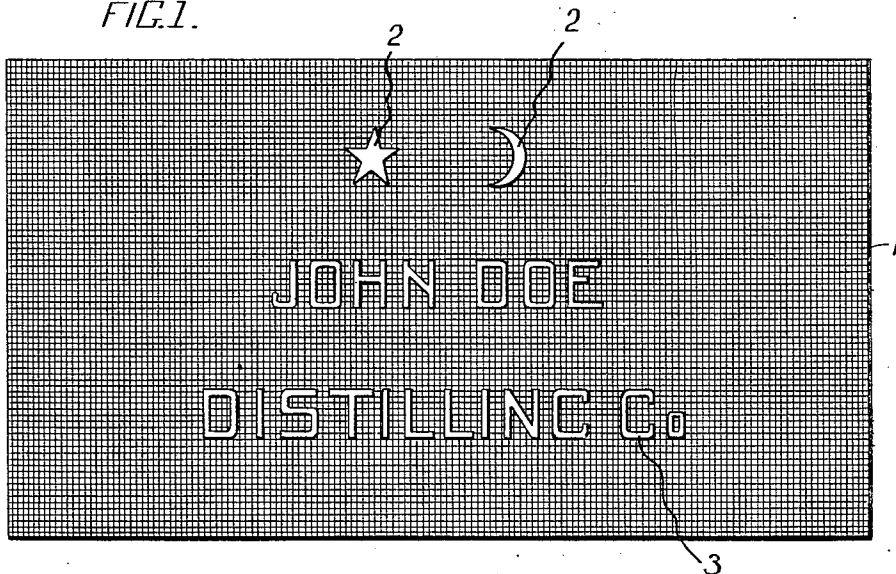


FIG. 2.

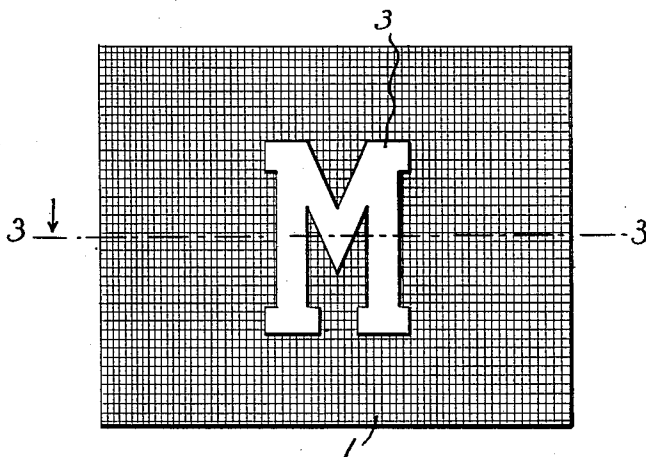


FIG. 3.



WITNESSES:

*H. F. Roy*  
*J. K. Moore*

INVENTOR

*William H. Boone*

BY

*Whitaker Pevost*

Attorney

# UNITED STATES PATENT OFFICE.

WILLIAM H. BOONE, OF CINCINNATI, OHIO.

## ORNAMENTATION OF OPEN-MESH FABRICS.

998,952.

Specification of Letters Patent. Patented July 25, 1911.

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*To all whom it may concern:*

Be it known that I, WILLIAM H. BOONE, citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in the Ornamentation of Open-Mesh Fabrics; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists in the novel features hereinafter described reference being had to the accompanying drawing, which illustrates the same and said invention is fully disclosed in the following description and claims.

The object of my invention is to provide a process for forming raised felt letters upon fabrics, particularly upon gauze, netting or other open fabrics which have no appreciable body and the article produced by said process.

In the drawing accompanying and forming part of this specification, Figure 1 represents a piece of gauze or netting ornamented with raised felt letters and characters. Fig. 2 represents an enlarged detail of a piece of such gauze or netting showing a single letter formed thereon, and Fig. 3 is a section, also enlarged, on line 3—3 of Fig. 2.

In carrying out my invention I take a piece of fabric to be ornamented, preferably a piece of gauze or netting, for example such netting as is used to cover pictures, mirrors and the like during the summer months to protect them from flies and other insects, and I first apply an adhesive compound, to such parts as are to be covered by the letters, characters, or designs to be formed thereon. The adhesive material may be glue or paste but I prefer to use paint, as the latter not only possesses sufficient adhesive quality but also has a certain amount of body or substance. The fabric is preferably laid upon a piece of paper or other suitable material and the adhesive material is applied in such manner as to form the letters, design or characters, as by squeezing it through a stencil made in any desired manner, or by painting it on or otherwise applying it. The adhesive material will pass through the meshes of the fabric where a gauze or netting is employed, and adhere to the supporting sur-

face below the same, but will also adhere to the threads or mesh of the fabric. The fabric is then removed from the supporting surface and the adhesive material adhering to such surface, and placed upon a clean supporting surface. I then dust upon the gauze fabric what is termed "wool flock" which is a powder obtained by grinding wool, or woollen fabric, and can be obtained in almost any color or shade. This "flock" adheres to the threads or mesh of the fabric only where the same is coated with adhesive material and after coating the entire surface of the fabric, or such parts as will include all portions treated with the adhesive, with a thick layer of the flock, I press on roll the flock upon the fabric and into the meshes of the same, preferably by passing over the flock a suitable roller of wood or iron, which may be operated by hand or by machinery as preferred. I then turn the fabric over, and apply a thick coating of the flock to the back of the gauze or netting, and roll the same as before described. The fabric is then allowed to remain until the adhesive material is sufficiently dry when the parts of the flock not incorporated and attached to the netting by the adhesive may be entirely removed by shaking the fabric or brushing the surface. The letters, figures, designs or characters will be found to appear upon the fabric in the solid form resembling felt, filling all the interstices of the gauze or netting and projecting above the face of the netting on both sides thereof.

In Fig. 1, 1 represents the gauze or netting ornamented by characters or symbols 2, 2 and letters 3, 3. In Fig. 2 a piece of the gauze or netting is shown enlarged with a single letter 3 thereon and in Fig. 3 I have shown in a somewhat exaggerated manner, a section of the gauze 1, and of the letter 3 shown in Fig. 2.

In applying my process to a solid fabric, it will be understood that the steps are identical with those previously described except that only one face of the fabric is treated and the letters which will be preferably of a contrasting color will stand out as raised letters or characters therefrom. I also prefer to color the adhesive material which I employ to substantially the color or shade of the flock employed in making the letters, design or characters, so that in case any of it appears upon the surface of the raised letters or characters it will not show.

This process enables me to prepare fabrics with raised solid letters, characters and ornamental designs in solid felt or wool material, very quickly and cheaply, for ornament, or for advertising and other purposes.

The ornamented fabric herein shown and described as an article of manufacture is not specifically claimed herein the same being reserved to form the subject matter of a separate application.

What I claim and desire to secure by Letters Patent is:—

1. The herein described process of ornamenting gauze and other transparent open work fabrics, which consists in applying to portions of the mesh thereof an adhesive material, disposed in accordance with the design to be produced, applying to the fabric a layer of wool flock and compressing it upon and through the meshes of the fabric, to incorporate it and form a solid raised design

projecting from the surface of the transparent fabric.

2. The herein described process of ornamenting gauze and other transparent open work fabrics, which consists in applying to portions of the mesh thereof an adhesive material, disposed in accordance with the design to be produced, applying to the fabric a layer of wool flock and compressing it upon and through the meshes of the fabric, then treating the opposite side of the gauze with the wool flock and compressing it upon the same to form a solid design projecting from both faces of the transparent fabric.

In testimony whereof I affix my signature, in the presence of two witnesses.

WILLIAM H. BOONE.

Witnesses:

FRED DREIHS,  
E. J. DREIHS.