Patented Feb. 28, 1928. 1,660,495

UNITED STATES PATENT OFFICE.

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TRANSFER.

No Drawing. Application filed February 3, 1927. Serial No. 165,754.

My invention relates to a new and improved method of applying transfers to fabrics or the like and to a new and improved fabric marking formed by means of such transfers.

One of the objects of my invention is to provide a new and improved method for applying transfers having fusible markings formed thereon, to fabrics or the like.

Another object of my invention is to provide a new and improved marking formed on fabrics or the like by means of transfers having fusible markings thereon.

Another object of my invention is to provide a method whereby colored transfers can be caused to contrast very sharply with respect to the fabrics to which they are applied.

Other objects of my invention will be set forth in the following description which illustrates a preferred embodiment thereof, it being understood that the above general statement of the objects of my invention is intened to generally illustrate the same and not to limit it in any manner.

Multi-colored transfers of various kinds employing fusible inks or having markings including a fusible ingredient have been well known for many years.

Experience has shown that if such transfers are utilized to form markings upon dark colored fabrics in the ordinary manner, by heat and pressure, that the markings so formed sink so deeply into the fabric that they do not contrast sufficiently with the dark colored fabric. Various compositions and methods of forming the transfer have been proposed, but they have all been subject to defects. For example, it has been proposed to provide a layer of light colored material upon the transfer markings but this requires additional expense and manipulation and in addition the light colored particles become intermixed to a certain extent with the colored ingredients and the compositions used for making the transfers so that these colors were diluted more or less and variations were thus produced in the desired color tones. The color of the final marking upon the fabric often differed materially from the shade of the coloring ingredient or ingredients forming part of the transfer marking composition.

According to my invention a transfer having a colored ingredient metallic or non-metallic is made in any suitable manner. Such a transfer may have a single color or it may be multi-colored.

Before applying the transfer to the fabric, the fabric is dusted with a powder consisting of chalk, starch or the like so that the fine, light, colored particles cling to the surface of the fabric.

When the transfer is applied to the fabric by heat and pressure in the ordinary manner, these fine particles of chalk, starch or the like form a surface layer upon the fabric which prevents the color transfer composition from sinking in.

It is not necessary to unite the particles of chalk, starch or the like by any binding composition or by a treatment for this purpose because the loose particles themselves are fully effective for the purposes above mentioned.

The markings are thus formed upon the fabric in their original color tone and brightness and sharply contrast with the fabric so that transfers produced according to this method produce clear and distinct markings especially adapted for embroidery designs and the like.

Since the loose particles of chalk, starch or the like are separated from each other by minute spaces, the transfer marking is free to firmly attach itself to the fabric at these intermediate spaces. The particles of chalk, starch or the like are, therefore, enclosed between the face of the fabric and the marking formed thereon. The use of loose, separated, protective particles of powder is superior to the use of a sizing which fills up the pores of the face of the fabric because filling up the pores of the face of the fabric would prevent the marking from being firmly connected to the face of the fabric.

I have described a preferred embodiment of my invention, but it is clear that numerous changes and omissions could be made without departing from the spirit thereof.

I claim:—

A method of applying a fusible transfer marking to a fabric or the like which consists in first forming a surface layer of loose particles upon the fabric, and then applying the transfer marking thereto by heat and pressure.

In testimony whereof, I have hereunto signed my name, at Washington, in the District of Columbia, this third day of February, 1927.

HELENA S. SADTLER.