

UNITED STATES PATENT OFFICE.

CHARLES PALM AND JULIUS FECHTELER, OF NEW YORK, N. Y.

IMPROVEMENT IN PROCESSES OF PRODUCING TRANSFER-PICTURES.

Specification forming part of Letters Patent No. **209,952**, dated November 12, 1878; application filed September 28, 1878.

To all whom it may concern:

Be it known that we, CHARLES PALM and JULIUS FECHTELER, both of New York city, county and State of New York, have invented an Improvement in Transfer Ornaments and Pictures, of which the following is a specification:

This invention has for its object to produce and facilitate the perfect and clean transfer of decalcomanie pictures to fabrics, such as linens, silks, and the like.

Heretofore such pictures, which are printed upon glazed transfer-paper, could only be transferred to fabrics by applying adhesive substance with a brush carefully to their exposed surfaces, and thereupon, while such substance is still moist, placing the fabric which is to receive the transfer over the gummed surface. After the gum becomes sufficiently dry, the paper could be washed off; but the transfer was never perfect and clean, as parts of the gum were liable to spread beyond the edge of the fabric, and also because the picture on the fabric was invariably surrounded by some of the glazing from the paper which adhered to the fabric.

The labor of properly applying the gum with a brush to the back of the picture was also difficult to perform, requiring skilled attendants, and was nevertheless hardly ever quite properly performed.

Now, our invention consists in applying at the time of printing the transfer-picture, and by the act of printing, an outer coating or covering of a varnish coinciding in outline

with the picture, which is water-proof, but soluble by heat. This outer covering of varnish is to have the exact outline of the picture itself. The picture thus made is transferred to the fabric by first placing the fabric in contact with and over the picture, and then heating the paper with a heated roller or iron, thereby dissolving the varnish and causing it to adhere to the fabric. The transfer-paper is then immediately moistened and the paper removed, leaving the neat clean picture on the fabric. Being water-proof, the covering permits the operator to wash the glazing off the face of the paper previous to the making of the transfer, and thus to avoid adhesion of any such glazing to the fabric.

We claim—

1. A transfer-picture having an outer covering of varnish, with the same outline as the printed picture, which is insoluble in water, but soluble by heat, substantially as specified.

2. The within-described process of producing transfer-pictures and transferring the same, which consists in first printing the picture on paper, then printing thereon a coating of water-proof varnish, soluble by heat, coinciding in outline with the printed picture, then rendering the varnish adhesive by heat, applying the picture to the fabric, and removing the paper.

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Witnesses:

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