UNITED STATES PATENT OFFICE.

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DECORATIVE PAINTING ON GLASS.

SPECIFICATION forming part of Letters Patent No. 308,164, dated November 18, 1884.

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To all whom it may concern:

Be it known that I, EMILE JOSEPH IRLANDE, of the city of New York, in the county and State of New York, have invented a new and useful Improvement in Decorative Painting on Glass, of which the following is a specification.

My improvement consists in the novel method or process herein described and claimed of decorative painting on glass or other transparent or translucent equivalent, and in the glass or equivalent decorated by said process.

The following is a description of my new method and the product of said method: I cover the surface of glass with a thin coating of mineral paint, usually a white paint, made, preferably, of white lead or zinc, turpentine, and varnish, in about the following proportions: white lead or zinc, one pound; turpentine, six ounces; varnish, eight ounces, thus forming an opaque backing. Then, after this film of paint has stiffened sufficiently not to run, but while it is yet capable of readily mingling with or being permeated by analogous paints of other colors, I apply to its surface, with a brush or by any suitable means, a paint or paints of such colors as may be adapted to produce the effect which may be desired, as seen through the glass from the opposite side. The peculiarity of this process is that colors applied as described to the surface of the film of moist paint penetrate and blend with it, so that when they reach the glass they are softened and shaded by diffusion and combination with the said backing, producing a peculiarly beautiful effect as seen through the glass on a front view. All the mineral paints mixed with oil or turpentine or an equivalent are suitable both for the purpose of the backing-film and for the colors to be applied as described to the said film. In the practicing of this process the artist may employ his skill in the selection and combination of colors to produce such effects as he may desire or fancy.

The process is specially applicable to the embellishment of photographs on glass. In this department the best effects are produced with this process in connection with what are known as "carbon prints." After the print has been transferred to the glass I cover the entire surface of the glass on the side to which the print is attached with the film of white mineral paint, and then apply as described the embellishing color or colors as before set forth. If it is not desired to tint the photograph itself, I limit the decoration to the background of the picture, or the space surrounding the picture as seen from the front. This I do by applying the color or colors only to those portions of the white film that form the background of the picture.

In order that the effect of such coloring of the background may not be impaired or interfered with by any photographic discoloration while under the negative, I recommend overlaying the negative during exposure with translucent tracing-paper and covering with some opaque pigment or other suitable substance all parts of the paper except that overlaying the figure in the negative. No discoloration of the negative will then take place beyond the outlines of the picture, and therefore no discoloration will be transferred with the figure to the glass outside of the figure, thus leaving the glass outside of the figure clear to show alone the effect of the embellishing colors when applied as described.

After the embellishing colors are applied as set forth, I prefer to cover all with another coating of the same kind of paint first applied to form the described film. This protects the underlying paint, and in a measure enhances the effect of the embellishing colors.

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

1. The described method of decorating glass, consisting in covering the glass with a film of paint of one color, and then, while the same is still soft and permeable by other analogous paint, applying in spots to the exposed surface of said film a paint or paints of another color or colors, as and for the purpose described.

2. Glass decorated as described—namely, by being first coated with a film of paint of one color, to which, when suitably dried as described, is applied in spots a paint of another color, by reason whereof said glass presents on its reverse side variegated and blended colors, as described.

EMILE J. IRLANDE.

Witnesses:
ROBERT JACKSON,
J. P. FITCH.