

UNITED STATES PATENT OFFICE.

JESSE W. HYMAN, OF ENGLEWOOD, NEW JERSEY.

METHOD OF COLORING PHOTOGRAPHS.

SPECIFICATION forming part of Letters Patent No. 273,995, dated March 13, 1883.

Application filed July 20, 1882. (No specimens.)

To all whom it may concern:

Be it known I, JESSE W. HYMAN, of Englewood, in the county of Bergen and State of New Jersey, have invented a new and Improved Method of Coloring Photographs, of which the following is a full, clear, and exact description.

The object of this invention is to provide a new and improved method of coloring and mounting photographs in such a manner that they will have the appearance of and produce the same effect as oil-paintings.

In carrying out my invention a photograph is taken, in the usual manner, on albumenized paper, or on other suitably-prepared paper generally used in photography. This photograph is then made transparent by being immersed and soaked in a new mixture or compound of my invention, which mixture consists of naphtha, one (1) ounce; paraffine, one (1) ounce; mastic drops, one (1) ounce; ether, two (2) ounces; vinegar, one-half ($\frac{1}{2}$) ounce. This mixture must be applied warm, or must be warm when the photograph is soaked in the same. The photograph is then taken out of this mixture and thoroughly dried, and is painted in oil-colors on the back of the picture. The picture is shaded and toned in the same manner as if it were being painted on the front side. When the picture is dry, after having been painted, it is pressed on a canvas, and to cause it to adhere to the canvas its back is coated with pure white glue mixed with glycerine, the object of the glycerine being to make the glue, when dried, more flexible, so that the entire picture will be flexible and

will not be stiffened by the glue. After pressing the photograph on the canvas, and using the glue to fasten it on the same, the photograph will have the appearance of having been produced or painted directly on the canvas, and as the photograph is transparent and has been painted on the back the picture will have the appearance of an oil-painting on canvas. The picture is then retouched and finished on the face, the background surroundings, &c., completed, and then it is varnished. Portraits, landscapes, interior scenes, &c., can all be produced in the same manner and combine the truthfulness of a photograph with the beauty of an oil-painting.

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

1. The process of treating photographs, which consists in first immersing them in a solution formed of naphtha, paraffine, mastic-drops, ether, and vinegar; secondly, applying to the back, in oil-paint, the desired shade and tone; thirdly, applying a mixture of glue and glycerine to the back; and, finally, pressing the back to canvas until cohesion takes place, whereby the whole picture will be flexible and have the appearance of having been painted on the canvas, as described.

2. The herein-described mixture for making photographs transparent, consisting of naphtha, paraffine, ether, mastic-drops, and vinegar combined, in about the proportions stated.

JESSE W. HYMAN.

Witnesses:

OSCAR F. GUNZ,
C. SEDGWICK.