

# United States Patent Office.

ROBERT WINTER, OF SAN FRANCISCO, CALIFORNIA.

*Letters Patent No. 104,241, dated June 14, 1870.*

## IMPROVEMENT IN COLORING PHOTOGRAPHS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, ROBERT WINTER, of San Francisco, county of San Francisco, State of California, have invented Improvements in Painting Photographic Pictures in Oil and Water-Colors; and I do hereby declare the following description is sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention or improvements without further invention or experiment.

The purport or essence of my invention is the production of a new and improved style of painting upon photographic pictures, or cards upon which a photograph has been taken; and

It consists in a method or mode by which it is rendered possible to employ upon the same picture both water and oil colors, in order to produce a fine effect and give a rich appearance to the picture.

To accomplish this object I take an ordinary photograph on albumen paper, and first use water-colors for painting and giving tone and expression to the face and any other portion of the picture to which this style of painting is adapted or of advantage. I then flow over the entire surface of the card a thin film or coating of collodion, which is permitted to become dry.

After the collodion has become sufficiently dry, I either float a coat of spirit varnish over the surface, or apply a coating of oil varnish with a brush in the

usual manner, the film of collodion preventing the varnish from being absorbed by the paper. This last coating not only protects the photograph and the water-colors, but prepares it for finishing the remaining portions of the picture in oil colors, with either plain, ornamental, or landscape back-ground, and retouching with oil colors, if desired, the face, drapery, or any other part in which its application can be made with greater effects than with water colors.

The picture, when completed, is susceptible of being varnished, similar to any ordinary oil-painting.

The advantage of thus combining the water-colors in one part and oil-colors in another part of the picture, is to produce a brilliancy, softness, and clearness of outline, which cannot be obtained in photographs as ordinarily painted.

Having thus described my invention,

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

The preparation of photographs on albumen paper to receive oil and water-colors, by a coating of collodion, substantially in the manner specified.

In witness whereof I have hereunto set my hand and seal.

ROBERT WINTER. [L. S.]

Witnesses:

JNO. L. BOONE,

GEO. H. STRONG.