

UNITED STATES PATENT OFFICE.

J. BISHOP HALL, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN PAINTING ON TRANSLUCENT SURFACES.

Specification forming part of Letters Patent No. 5,495, dated March 28, 1848.

To all whom it may concern:

Be it known that I, J. BISHOP HALL, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and Improved Method or Process of Executing Paintings, which method or process I denominate "Tachygraphic Painting;" and I do hereby declare the following to be a full, clear, and exact description of the same.

The nature of my invention consists in preparing plates of glass with a translucent coating, which will receive and retain dry colors, and also admit of the application of colors ground in oil without spreading, while at the same time serving as a dispenser of light, and in placing in the rear of the picture (executed upon the plate of glass thus prepared) a brilliant reflecting-surface, which, acting in connection with the translucent coating upon the glass, will give to the picture a highly-luminous appearance.

To enable others skilled in the art of painting to use my invention, I will proceed to describe my method or process of executing tachygraphic paintings.

I apply to plates of glass a very thin coating of boiled linseed-oil, and dust immediately upon the oiled surface very finely pulverized silex. The object of this translucent coating is, first, to enable me to apply dry colors to the glass; second, to enable me to apply colors ground in oil without their spreading; third, enabling me to make use of the coating of the glass for the high lights of a picture, which may be brought out faintly or very brightly by partially removing the coating with the point of a knife and tempering the same with a small brush; fifth, the translucent coating upon the glass ground also serves as a dispenser of light. The reflecting-surface which

I place in the rear of the picture, acting in connection with the translucent coating, causes the picture to appear highly illuminated, and produces an atmosphere at once to the painting.

I generally make use of pulverized French crayon No. 2 and blue-black paint in executing paintings by my improved process.

The paintings may be highly colored by using transparent paints, either before or after the preparation of the glass, as before described.

Transparent paper may be used as a ground on which to paint, instead of glass.

I do not confine myself to the use of silex in preparing the translucent surface to the glass. Other substances—such as glass, spar, &c.—will answer instead. For the reflecting-surface to be placed in the rear of the painting I generally make use of plates of tin or sheets of silvered copper. In preparing the translucent surface of the glass on which the painting is executed I generally make use of sixty drops of oil to a plate of glass fourteen by twenty inches, and then dust on the silex to such a degree that when the plate is held obliquely to the rays of light from a window the light will be but imperfectly reflected.

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

The improved method or process, denominated by me "Tachygraphic painting," by which I produce brilliant paintings or pictures upon a translucent prepared ground, with a reflecting-surface in the rear of the same, substantially in the manner herein set forth.

J. BISHOP HALL.

Witnesses:

GRA. P. LORD,
S. C. DONN.