

UNITED STATES PATENT OFFICE.

F. LANGENHEIM, ASSIGNEE OF JN. B. ISENRING, OF THE CANTON OF ST. GALL, SWITZERLAND.

IMPROVEMENT IN COLORING DAGUERREOTYPE-PLATES.

Specification forming part of Letters Patent No. 4,369, dated January 30, 1846.

To all whom it may concern:

Be it known that I, JOHAN B. ISENRING, of the Canton of St. Gall, Switzerland, have invented a new and useful Improvement in Coloring Daguerreotype-Pictures; and I do hereby declare that the following is a full, clear, and exact description thereof.

The nature of my invention consists in coloring a daguerreotype-picture by agitating a quantity of highly-pulverized mineral or other suitable color in a box and then placing in said box the plate to be colored, leaving only such parts exposed as are to receive the color, the rest being covered by a stencil or other similar device, where it remains until the color settles upon it in sufficient quantities.

In order to use my improvement to the best advantage, the plate on which the daguerreotype is taken is put into a frame, the edge of which projects up all around even with the surface of the plate, which is fastened into it by short pins. Over this is then placed a plate of glass, which is fastened down by pins or wax at the edges. Then by means of a fine camel's-hair pencil and india-ink the outlines of the parts to be colored are drawn on the glass, after which a piece of tracing-paper is laid over the glass and held in its position by means of weights or other suitable device, and the outline that is upon the glass is transferred to the paper by a lead-pencil. The paper and glass are then removed, and the parts indicated by the outline on the paper are cut out with a knife, and those parts of the picture on the

plate that are not to be colored are covered with the stencil-paper thus formed and cut out to correspond exactly with the picture on the plate, which protects the portion not to be colored by the pulverized color, as above named, and prevents its settling on them. The frame and plate thus partially covered are then placed in a box in which the pulverized color is previously stirred up, and just after the coarsest particles have settled there it remains until a sufficient quantity of the fine color is deposited on the plate. After this has been accomplished the picture is taken out of the box, the paper is carefully removed from the plate, and the picture shows beautifully colored on those parts that were exposed.

Having thus fully described my improvement in the mode of coloring daguerreotype-plates, what I claim therein as my invention, and desire to secure by Letters Patent, is—

1. The process of depositing the color thereon, substantially as herein described, by causing the finely-pulverized particles of color to float in the air over where the plate is placed, which, as they settle, are deposited on the uncovered portions of the plate, in the manner and for the purpose herein described.

2. In combination therewith, covering the picture with a stencil, as set forth, constructed in the manner and for the purpose described.

JOHAN BAPTIST ISENRING.

Witnesses:

FRED. AUGT. JAQUET,
JEAN JAQUES HUBER.