

UNITED STATES PATENT OFFICE.

GEORGE W. BROWN, OF CAMBRIDGE, OHIO.

PROCESS OF PROTECTING DRY-COLOR PICTURES.

SPECIFICATION forming part of Letters Patent No. 741,763, dated October 20, 1903.

Application filed April 4, 1903. Serial No. 151,162. (No specimens.)

To all whom it may concern:

Be it known that I, GEORGE W. BROWN, a citizen of the United States, residing at Cambridge, in the county of Guernsey and State of Ohio, have invented certain new and useful Improvements in Processes of Protecting Dry-Color Pictures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved process for finishing and coating pictures done in dry colors, crayon, chalk, pastel, and the like, and has for its object to produce an improved method of varnishing and preserving such pictures, whereby they may be framed without glass and wiped or cleaned. A picture of the kind stated treated according to my invention produces a good imitation of an oil-painting. In the present state of the art of finishing these pictures, particularly crayon enlargements, it is customary to leave the picture uncoated or to blow on a coat of varnish, formed of shellac dissolved in alcohol, by means of an air-brush or other pneumatic device. The first result is unsatisfactory because the picture is not protected, and the second is unsatisfactory because the alcohol of the varnish impairs or kills many of the colors used in such pictures. My invention avoids these defects and produces a permanent glossy finish which does not impair the original colors and is also cheaper in execution.

After the picture is drawn in crayons or

other dry colors I coat the same with a glue sizing, using the best grade of clear transparent glue. This size is preferably applied hot by means of a roller working in the glue-tank, over which roller the picture is drawn. It is then allowed to dry, when it is ready to receive the coat of varnish. This may be any ordinary transparent varnish of good quality and is preferably applied in the same manner as the size by drawing the picture over the roller rotating in a varnish-tank. The sizing protects the colors from the solvent in the varnish and has no bad effect on the colors. The picture produced has the gloss of the varnish in colorable imitation of an oil-painting. The colors are protected from the air and dirt, and a surface is produced which may be wiped with a damp cloth or otherwise cleaned without danger of injury or smudge of the colors.

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

1. The process of painting consisting in applying the picture to the ground in dry colors, and coating the same first with a glue sizing and then with a varnish.

2. A picture made in dry colors and having a coating of size and an outer coating of varnish.

In testimony whereof I affix my signature in presence of two witnesses.

GEO. W. BROWN.

Witnesses:

G. D. DUGAN,
J. S. LE PAGE.