

UNITED STATES PATENT OFFICE.

ADAM GIGRICH, OF AMITYVILLE, NEW YORK, ASSIGNOR TO WINTER & BALL, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN JAPANNING WOOD.

Specification forming part of Letters Patent No. **197,029**, dated November 13, 1877; application filed August 20, 1877.

To all whom it may concern:

Be it known that I, ADAM GIGRICH, of Amityville, in the county of Suffolk and State of New York, have invented an Improvement in Japanning in Imitation of Horn or other substances, of which the following is a specification:

I make use of a method of japanning that is adapted to the handles of umbrellas and parasols, but which may be used in finishing the surfaces of other articles in imitation of horn, shell, stone, marbles, rare wood, or precious stones.

Heretofore there has been an effort made to imitate horn and other substances in the process of japanning; but colors being dried in alternate coats or patches produce inequalities in the surface of the japan, whereby its beauty and polish are impaired.

I pursue the following method: The article is to be made, in wood, paper, metal, or other material, of the size and form desired, and the foundation coats of japan or paint are applied as usual, if required, so as to give a hard and smooth surface, upon which the finishing-coat is to be applied. These foundation-coats of varnish, japan, or paint are applied with a brush or by dipping the article into the liquid japan, varnish, or paint. This is the same as usual, and I remark that the japan is to be dried or baked in a heated chamber, as now common.

When the article is ready for the reception of the last coat of varnish or japan, it is dipped into, or rapidly coated with, such varnish, and then a different color or colors are applied to the said wet varnish, by spattering, dropping, or spotting such color from a brush, or in any suitable manner, and the article is held in any desired position or moved so that the colors

will blend together according to the character of the mottled surface to be produced upon such article. In all instances the color added assumes the same level as the surface varnish, because both are in a sufficiently liquid condition to blend together and adhere in a uniform layer with a smooth surface, thus producing an imitation of horn, shell, or stone that does not require grinding down smooth or polishing, but is complete and finished after the ordinary baking operation.

The drying and hardening are effected in an oven heated to about 150° Fahrenheit, or more or less, as usual.

I am aware that marbling, in various colors, has been done upon different articles by spotting the surface; but I am not aware of any instance in which a complete coating of japan has been applied to the surface and the color has been applied to the coating while in a liquid condition.

I claim as my invention—

1. The umbrella or parasol handles japanned in imitation of horn, shell, or other substances, and having the different surface-colors smooth and at the same level, substantially as set forth.

2. The method herein specified of japanning in imitation of horn and other substances by applying spots or portions of one or many colors to last coating while both are in a sufficiently liquid condition to flow together and assume a uniform level, substantially as set forth.

Signed by me this 11th day of August, A. D. 1877.

A. GIGRICH.

Witnesses:

DANIEL J. BURKE,
F. S. BROWN.