

UNITED STATES PATENT OFFICE.

CHARLES COALE, OF NEW BRIGHTON, PENNSYLVANIA.

IMPROVED JAPAN VARNISH.

Specification forming part of Letters Patent No. **34,817**, dated April 1, 1862.

To all whom it may concern:

Be it known that I, CHARLES COALE, of New Brighton, in the county of Beaver and State of Pennsylvania, have invented a new and Improved Composition for Japan Varnish; and I do hereby declare that the following is a full, clear, and exact description of the same.

My composition consists of linseed-oil, gum-shellac, red lead, sugar of lead, litharge, and benzole, to which, for dark colors, a certain quantity of Turkish umber is added. The proportion in which I mix these ingredients together is about as follows: linseed-oil, one and one-half gallon; gum-shellac, one pound; red lead, one pound; sugar of lead, one pound; litharge, one pound; Turkey umber, one pound; benzole, four gallons. The linseed-oil, gum-shellac, red lead, sugar of lead, litharge, and Turkey umber, when such is to be used, are placed into a common varnish-kettle and boiled over a slow fire for about two hours. By this time the above-named ingredients are intimately mixed and the composition is now left to cool, and when nearly cold it is strained through a fine hair sieve, so as to perfectly separate lumps or other impurities from the liquid mixture. After the straining is completed, add four gallons of benzole, when the composition is ready for use.

If it is desired to use this composition for painting one pint of japan is added for each gallon of paint, and it will be found that the paint will dry and have as fine a polish as the best varnish.

The paint may be thinned with benzole; but no turpentine must be put in.

For light-colored paint the umber is left off, and the proportion of the other ingredients may be slightly varied, according to the color to be produced.

The cost of my paint is considerably less than that of ordinary varnish, and it will keep, when well corked up, for a long time. It produces a beautiful finish, and it dries in a very short time.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The within-described composition for Japan varnish, made of the ingredients above specified, and mixed together in about the proportions as set forth.

CHAS. COALE.

Witnesses:

JOHN F. PRICE,
I. ADAMS VERA.