

UNITED STATES PATENT OFFICE.

JAMES B. TASCOTT, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN GLOSS COMPOUNDS FOR PAINTS.

Specification forming part of Letters Patent No. 160,038, dated February 23, 1875; application filed December 30, 1874.

To all whom it may concern:

Be it known that I, JAMES B. TASCOTT, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Compound for Paint-Gloss Enamel, and the mode of preparing the same; and I do hereby declare the following to be a full and complete description of the same.

In a former case, filed February 14, 1873, I set forth this feature of my improvement with that granted to me November 10, 1874. The first and second claims were held to be two distinct inventions, and, in accordance with the official letter of October 24, 1874, one of the two claims (the second) was erased for the purpose of embracing it in this separate application.

This invention consists in a compound for producing an enameled paint-gloss, and in the method or process of producing the same, as hereinafter described.

The following is the formula of the first compound: Glue, fifteen pounds; borax, five pounds; sal-soda, ten pounds; ground sulphate of lime, washed, twenty pounds; to which is added water sufficient to bring the mixture to a gravity of 950. The whole mass is then heated in a retort under a steam-pressure of forty pounds to the square inch. Enough linseed-oil is then added to give a specific gravity of 0.940 for all (light) colors. For delicate tints, add prepared aniline or other pigments to this mixture.

The second compound consists, of rosin, ten parts; sugar of lead, one part; linseed or other drying oil, twenty-four parts. These ingre-

dients are agitated together until they are intimately combined. This produces a fine enamel or gloss over the paint, which presents a bright, smooth, and delicate surface, as if finished in varnish. The oil which constitutes the life of a paint cannot escape and leave the pigments dry and friable.

Compounds No. 1 and No. 2 are combined by heating No. 2 to about 85° or 90° Fahrenheit, and then mixing in the proportion of, No. 1 twenty parts and No. 2 one part. The resultant is then ground with lead, zinc, or other pigments.

When the paint is used it should be treated like others, stirred before using, and applied in the usual way, the first coat being suffered to dry before the second is put on.

Usually the paint when thus prepared requires no thinning, although it can be done in the ordinary way and by the usual means, but it may impair its durability, and rich, glossy enameled surface, which is unaffected by change of temperature, and will not crack, blister, or peel off, and is well adapted to all kinds of work, dry or damp, and the inside or outside of structures.

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

A gloss or enamel for paint, composed of rosin, sugar of lead, and drying-oil, combined substantially in the manner as described.

JAMES B. TASCOTT.

Witnesses:

J. H. BURRIDGE,
S. M. COOK.