

UNITED STATES PATENT OFFICE.

JAMES B. TASCOTT, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PAINT COMPOUNDS.

Specification forming part of Letters Patent No. **156,717**, dated November 10, 1874; application filed February 14, 1873.

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 Paint or Vehicle for Paints, and mode of preparing the same; and I do hereby declare the following to be a full and complete description of the same.

This invention consists in a compound for producing an enameled paint gloss, as hereinafter described. It also relates to a vehicle for lead, zinc, and other pigments, consisting of two compounds united, and applicable as hereinafter specified; and the invention further embraces the method of preparing the paints or vehicle for paints.

The formula of the first compound is as follows, viz: Glue, fifteen pounds; borax, five pounds; sal-soda, ten pounds; ground sulphate of lime, washed, twenty pounds; to which is added sufficient water to bring the mixture to a gravity of .950. The whole mass is then heated in a retort under a steam pressure of about forty pounds to the square inch. Enough linseed or other drying oil is then added to give a specific gravity of about .940. For all light colors and delicate tints, add dissolved aniline in this mixture, or other pigments, to give it color.

The second compound consists of, rosin, ten parts; sugar of lead, one part; linseed or other drying oil, twenty-four parts. These ingredients are agitated together until they are intimately combined.

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

When this paint is used, it should be treated like others, stirred thoroughly before using, and applied in the usual way, the first coat being allowed to dry before the second is put on. Usually the paint when thus prepared requires no thinning, although it can be done in ordinary way with turpentine or benzine, but it may impair its durability and rich glossy surface.

The advantages of said paint and vehicle for paints are, that it will cover more surface with the same body than an equal quantity of others, while it is unaffected by change of temperature, and will not crack, peel, blister, or run off from seams or nail-heads. Hence, it is well adapted to all kinds of work, dry or damp, inside or outside of structures, and forms a firm, elastic, and water-proof coating.

It is designed to claim the compound No. 2, as referred to, in a separate application for a patent.

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

1. A vehicle for paints, composed of glue, borax, sal-soda, ground sulphate of lime, oil, and water, with or without aniline, combined substantially as specified.

2. The process herein described for making a paint or vehicle, consisting in treating oil, glue, and alkaline salts under steam pressure, so as to unite them, substantially as specified.

3. The combination of the compounds Nos. 1 and 2, consisting of glue, borax, sal-soda, sulphate of lime, water, and rosin, sugar of lead, linseed or other drying oil, prepared substantially as and for the purpose set forth.

J. B. TASCOTT.

Witnesses:

THOS. D. D. OURAND,
JAMES H. GRIDLEY.