

# UNITED STATES PATENT OFFICE.

CASPAR J. BREIDBACH AND CARL BREIDBACH, OF NEW YORK, N. Y.

## IMPROVEMENT IN VARNISHES.

Specification forming part of Letters Patent No. **206,079**, dated July 16, 1878; application filed October 12, 1877.

*To all whom it may concern:*

Be it known that we, CASPAR J. BREIDBACH and CARL BREIDBACH, of the city and State of New York, have invented an Improvement in Varnishes, of which the following is a specification:

In the manufacture of varnishes it is usual to employ linseed-oil to dissolve the resinous material, and also to form a body to the varnish; but, in consequence of this linseed-oil becoming dissolved by age and moisture, the varnishes containing such oil are not permanent, but become dark and often of a greenish milky hue.

Our invention relates to a new compound for a varnish consisting of nut or walnut oil, combined with copal gum, gutta-percha, and turpentine. These substances mix in the most intimate and uniform manner, and form a varnish that is more durable than varnishes made with the linseed or similar oil, and it is impervious to the action of the atmosphere or moisture, and hence it is adapted to both inside and outside work.

The proportion in which we use this oil varies according to the rapidity with which the varnish is to dry. A medium varnish is made of about one part of gum-copal, one part of nut or walnut oil, one part spirits of tur-

pentine, and one-eighth part of gutta-percha. For quick-drying varnish the proportion of nut-oil will be less, and for slow-drying varnish the proportion of nut-oil will be greater. The ingredients are to be combined and mixed in any usual manner.

We do not claim nut or walnut oil as an ingredient in paints or varnishes, as this has before been made use of.

We are also aware that varnishes have been made in which gutta-percha or india-rubber has formed the principal portion of the body, in combination with resins, turpentine, and linseed-oil. In our varnish the proportion of gutta-percha, or its equivalent, is very small, and our varnish is transparent, and adapted to the finest work.

We claim as our invention—

The varnish composed of copal, turpentine, gutta-percha, and nut-oil, in substantially the proportions set forth.

Signed by us this 10th day of October, A. D. 1877.

CASPAR J. BREIDBACH.  
CARL BREIDBACH.

Witnesses:

GEO. T. PINCKNEY,  
CHAS. H. SMITH.