UNITED STATES PATENT OFFICE.

CHARLES COLLINS, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN PLATE-OILS OR VARNISHES FOR PRINTING-INKS.

Specification forming part of Letters Patent No. **192,739**, dated July 3, 1877; application filed June 1, 1876.

To all whom it may concern:

Be it known that I, CHARLES COLLINS, a resident of the city of New Orleans and State of Louisiana, have invented a certain new and useful Improvement in Plate-Oil or Varnish; and I do hereby declare the following to be a full, clear, and correct description of the same.

This invention relates to compositions used by lithographers or plate-printers for preparing the plates or lithographic stones, and for thinning the inks to bring them to the proper consistency for working, such compositions being technically known as "plate-oils" or "varnishes."

My composition is intended to obviate the present tedious and expensive method of preparing the "oils" which form the body of the material to be used in combination with inks for plate-printing and lithography; and it consists in a composition formed by mixing crude turpentine with rosin and linseed-oil, in the proportions, approximately, of three parts of rosin to one part each of linseed-oil and turpentine.

These ingredients I combine as follows: The crude turpentine is first warmed, and the linseed-oil is then added and thoroughly mixed with the turpentine. The rosin, being finely powdered and sifted, is then added, and the mixture is stirred to effect the solution of the rosin and thorough incorporation of the ingredients. The mixture is then allowed to cool, when it is ready for mixing with the ink or coloring matter, in the usual manner.

The composition thus prepared will keep for any length of time, is easily worked, and imparts to the lines of the print or impression a clear and beautiful appearance. It also dries rapidly, and therefore dispenses with the customary additional driers.

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

As a body for plate-printing and lithographic ink, the composition herein described, consisting of crude turpentine, linseed-oil, and rosin, in the proportions named, substantially as described, and for the purpose set forth.

This specification signed this 21st day of April, 1876.

CHARLES COLLINS.

Witnesses:
H. N. JENKINS,
T. J. ROACH.