

UNITED STATES PATENT OFFICE.

GEORGE W. SLAGLE, OF WASHINGTON, D. C., ASSIGNOR TO HIMSELF AND
O. A. DAILEY, OF SAME PLACE.

COMPOSITION FOR MIXING WITH PAINTS.

Specification forming part of Letters Patent No. **25,935**, dated October 25, 1859.

To all whom it may concern:

Be it known that I, GEORGE W. SLAGLE, of Washington, District of Columbia, have invented a new and useful Process of Making Melaniline Oil; and I do hereby declare that the following is a full, clear, and exact description of the same.

My improved oil is intended as a substitute for linseed-oil; and to make one gallon of it I take of linseed or other vegetable oil possessing similar qualities one part, of water two parts, and of sal-soda or other similar suitable alkali about one-two-hundred-and-fortieth part, and after dissolving the sal-soda in the water mix the whole together in a vessel.

The object in using the water is to increase the quantity; and by using sal-soda or other alkali the water and oil are caused to form a chemical union, at the same time a consistency is given to the whole mass. The alkali also imparts to it the same properties of durability and strength as are possessed by a given quantity of pure linseed-oil. To impart drying properties to this oil the ordinary driers may be used; but the one which I have found best suited to this particular oil is sugar of lead; and to impart a greater consistency to the mass I have found it well to use the mu-

cilage of slippery-elm bark, flax-seed, and of other like substances.

In using my oil in mixing lead and zinc-white I find that I can produce with one pound of white lead or zinc-white four times the quantity of paint, equal in quality to what can be produced from one pound of lead or zinc-white mixed with pure linseed-oil.

It has been found in practice that oil made by my process answers all the purposes of the best linseed-oil for paint, &c., and therefore, as it is made at a cost of about one-third of that at which the pure linseed-oil can be purchased, and increases the bulk of paint made from a given quantity of white lead without detracting from its strength and durability, its utility cannot be doubted.

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

Making melaniline oil or a substitute for linseed-oil by mixing together linseed-oil or other vegetable oil possessing similar qualities, water, and sal-soda or other similar suitable alkali, substantially in the manner set forth.

G. W. SLAGLE.

Witnesses:

GOODWIN Y. ATLEE,
O. A. DAILEY.