

UNITED STATES PATENT OFFICE.

JOSEPH W. HARMON, OF ELIZABETHTOWN, NEW JERSEY.

IMPROVEMENT IN FACTITIOUS OILS.

Specification forming part of Letters Patent No. **18,279**, dated September 29, 1857.

To all whom it may concern:

Be it known that I, JOSEPH W. HARMON, of Elizabethtown, in the county of Essex and State of New Jersey, have invented a certain new and useful Compound to be employed as a Substitute for Linseed-Oil; and I do hereby declare and ascertain the said compound and the manner of making the same.

My new compound oil has been developed from the experiments in compounding certain materials for the foundation-coating for oil-cloth, for which composition I have already received Letters Patent dated the 31st day of March, 1857, on which this may be deemed an improvement.

My new compound oil is composed of the following ingredients, and in proportions varying more or less, according to the special purpose to which they are to be applied, as follows:

I take the residuum of the stills of candle-factories as the important basis of my compound, consisting of certain products from palm-oil, lard, tallow, and other greasy matters remaining after these materials have been acidified, washed, and the stearic acid has been taken off, the remainder being a thick and heavy residuum, above named, which I employ and make valuable by the following combination: To one gallon of this residuum (more or less) I add one gallon (more or less) of rosin-oil. These I heat together, melting and mix-

ing the whole mass into a homogeneous compound, to which I add, either before or after melting, three-fourths of a pound of litharge and one pound and a half of umber, together with three pounds of fresh-slaked lime and three pounds of oil-cake. This whole mass, when perfectly mixed and boiled properly, I allow to stand and cool and settle, after which I bring it to a proper consistency by thinning it with spirits of turpentine, to be used as a substitute for linseed-oil.

I do not wish to be understood as confining myself to the exact proportions above described, as the quality of the materials will require judgment in the compounding; but those above named I have used with the most perfect success.

Having thus fully described my compound oil, what I claim therein, and for which I desire to secure Letters Patent, is—

The employment of the residuum of candle-manufactories, as above named, compounded with the ingredients herein set forth, in the manufacture of a compound oil, as within specified.

In testimony whereof I have hereto set my hand this 12th day of June, 1857.

J. W. HARMON.

In presence of—

SAML. V. SCUDDER,
W. D. STANSBURY.