

United States Patent Office.

FLEURY HUOT, OF NEW YORK, N. Y.

*Letters Patent No. 68,367, dated September 3, 1867; antedated August 18, 1867.*

IMPROVEMENT IN THE MANUFACTURE OF DRYING-OILS FOR PAINTS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, FLEURY HUOT, of the city and State of New York, have invented, made, and applied to use a certain new and useful Improvement in the Manufacture of Drying-Oils for Paints, &c.; and I do hereby declare the following to be a correct and full description of my said invention, and of the features that distinguish the same from previous modes of manufacture.

Linseed oil has heretofore been boiled, and has also been subjected to agitation by jets of air forced into the same, to promote its drying qualities, and various substances, such as litharge, have been mixed with the same for this object. Rosin oil has a body which renders it adapted to use with paint, but it does not dry well. My invention is especially adapted to the preparation of rosin oil, but it may be employed with linseed oil, or other oils having a sufficient body to render them adapted to use with paints.

I take about one pound of nitric acid and two pounds of water, and mix the same with about six pounds of oil. I subject the same to a moderate degree of heat in a suitable cauldron or vessel, until the reaction between the acid and oil ceases. I then allow the liquids to subside, the oil and acid water separating, after which they are drawn off separately. The oil may be washed, to remove more completely any traces of acid.

In place of nitric acid, arsenic acid may be employed. I find that the acid action on the oil is of such a character as to cause the oil to dry rapidly and hard when exposed to the action of the air, as in painting, printers' ink, in oil-cloths, and wherever drying-oil is employed.

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

The manufacture of drying-oils having a body adapted to paint, &c., by the acid reaction, in the manner specified.

In witness whereof I have hereunto set my signature this 26th day of January, A. D. 1867.

FLEURY HUOT.

Witnesses:

CHAS. H. SMITH,

GEO. T. PINCKNEY.