

United States Patent Office.

JOSEPH TREAT, NEW YORK, N. Y.

Letters Patent No. 100,953, dated March 15, 1870.

IMPROVEMENT IN THE MANUFACTURE OF ROSIN-OIL.

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, JOSEPH TREAT, of the city, county, and State of New York, have invented certain new and useful Improvements in the Process of Manufacturing Rosin-Oil; and I do hereby declare that the following is a full description of the same.

My invention consists in the following method or process of treating rosin-oil, of the first, second, third, or other degree of distillation of commerce, for the purpose of refining the same.

I first take any suitable quantity of the rosin-oil adapted to the size of the still, and charge the still with it. I next take some two to four ounces, or more or less, according to the impurities of the crude oil, of granulated or powdered caustic soda for each gallon of the oil in the still, and mix it into a paste with some of the rosin-oil. When thus mixed, the caustic soda is introduced into the still to be mixed with the oil therein. This is done by adding a little heat to the still and by agitation, so as to have the soda thoroughly incorporated with the oil. In addition to the

caustic soda, a small quantity of gum-benzoine is also added to the oil.

When the still is thus charged, the heat is then raised sufficiently to carry on a low degree of distillation, which is carried on till the charge in the still has been entirely evaporated.

To promote the bleaching operation further, steam is introduced into the worm of the still, at a point near its connection with the body of the still, so as to commingle with the vapor of the distillation before condensation, and thus wash or bleach, as it were, the vapor of the oil to purify it.

Having now described my invention, I will proceed to set forth what I claim and desire to secure by Letters Patent of the United States.

I claim the method or process, substantially as hereinbefore described, for refining and bleaching rosin-oils.

Witnesses:

CHARLES L. BARRITT,
FRANKLIN BARRITT.

JOSEPH TREAT.