

UNITED STATES PATENT OFFICE.

JAMES ARTHUR PALETHORPE, OF LIVERPOOL, ENGLAND, ASSIGNOR TO
THE TOBACCO WAREHOUSING AND TRADING COMPANY, OF DAN-
VILLE, VIRGINIA.

INSECTICIDE.

SPECIFICATION forming part of Letters Patent No. 596,761, dated January 4, 1898.

Application filed April 8, 1897. Serial No. 631,257. (No specimens.)

To all whom it may concern:

Be it known that I, JAMES ARTHUR PALETHORPE, a subject of the Queen of Great Britain, and a resident of Liverpool, England, have
5 invented a certain new and useful Insecticide, of which the following is a specification.

My invention relates to an insect-powder containing a volatile poison which may be driven off by means of a small lamp or other
10 convenient source of heat or which may be used in other ways.

The poisonous ingredient of my improved article of manufacture is nicotine. This is obtained by making a decoction of the tobacco-
15 plant and may be obtained from the stems or other discarded portions of the leaf or from the leaf, as may be desired. The principal bulk of the insecticide or the vehicle is "kieselguhr," which is an infusorial silicious earth, and
20 this is impregnated with the solution, or the liquid nicotine may be absorbed by an equivalent inert absorbent and refractory powder. The article thus prepared may be used by evaporating or driving off the nicotine by the

application of heat from any convenient 25 source.

The convenience of using nicotine in such a concentrated form is very great, inasmuch as a very few ounces of the powder prepared as above are quite as efficacious as several 30 hundred pounds of tobacco itself, for when tobacco is burned for fumigating only a very small portion of the nicotine present in the tobacco is volatilized, nearly the whole of it being decomposed by the high temperature 35 necessary to fire the tobacco.

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

As a new article of manufacture, an insecticide 40 consisting of powdered kieselguhr impregnated with a decoction of nicotine, in substantially the manner explained.

J. ARTHUR PALETHORPE.

Witnesses:

J. A. PADLEY,
R. THOMPSON, Jr.