

(No Model)

J. SCHINDLER.
INSECT EXTERMINATOR.

No. 584,484.

Patented June 15, 1897.

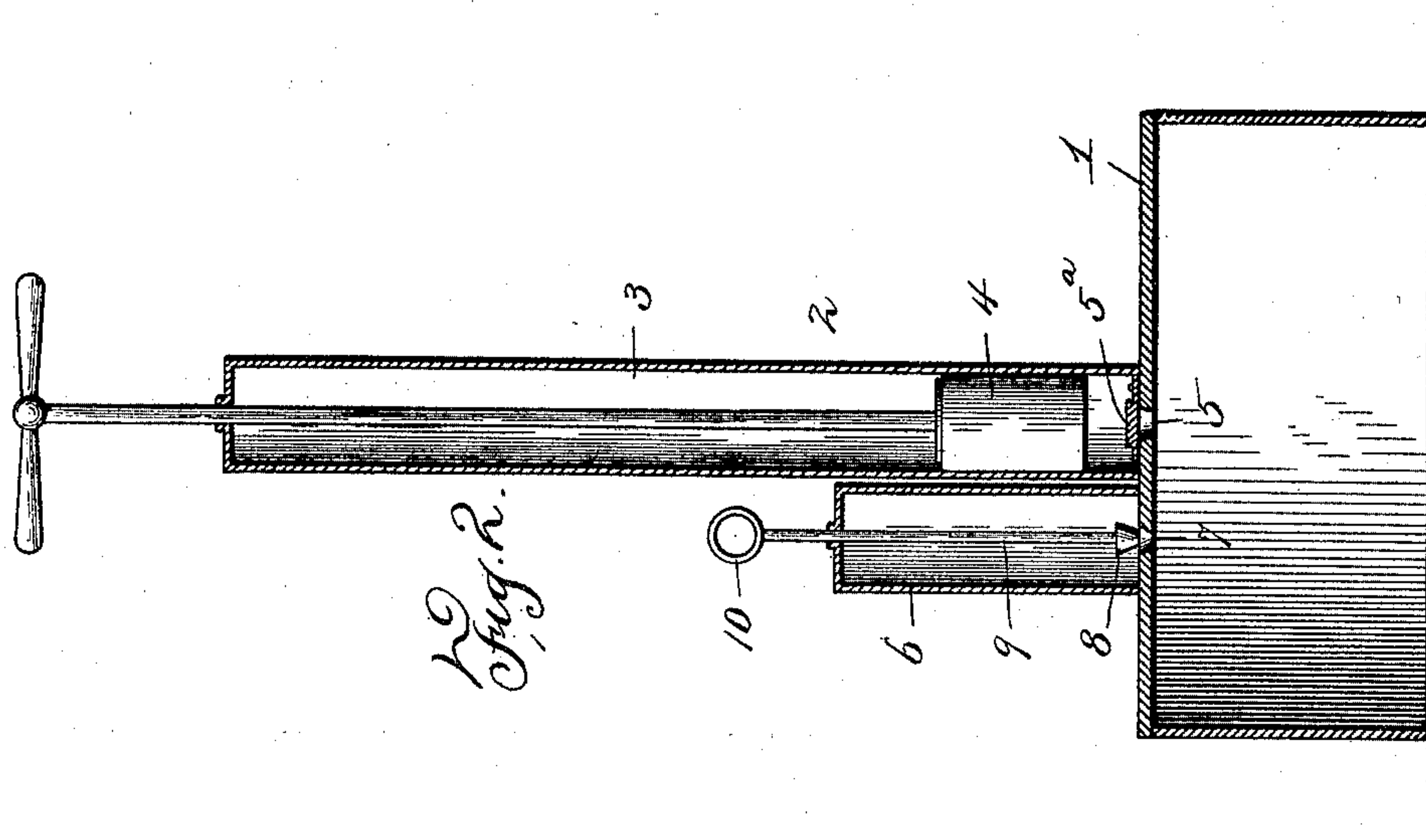


Fig. 2.

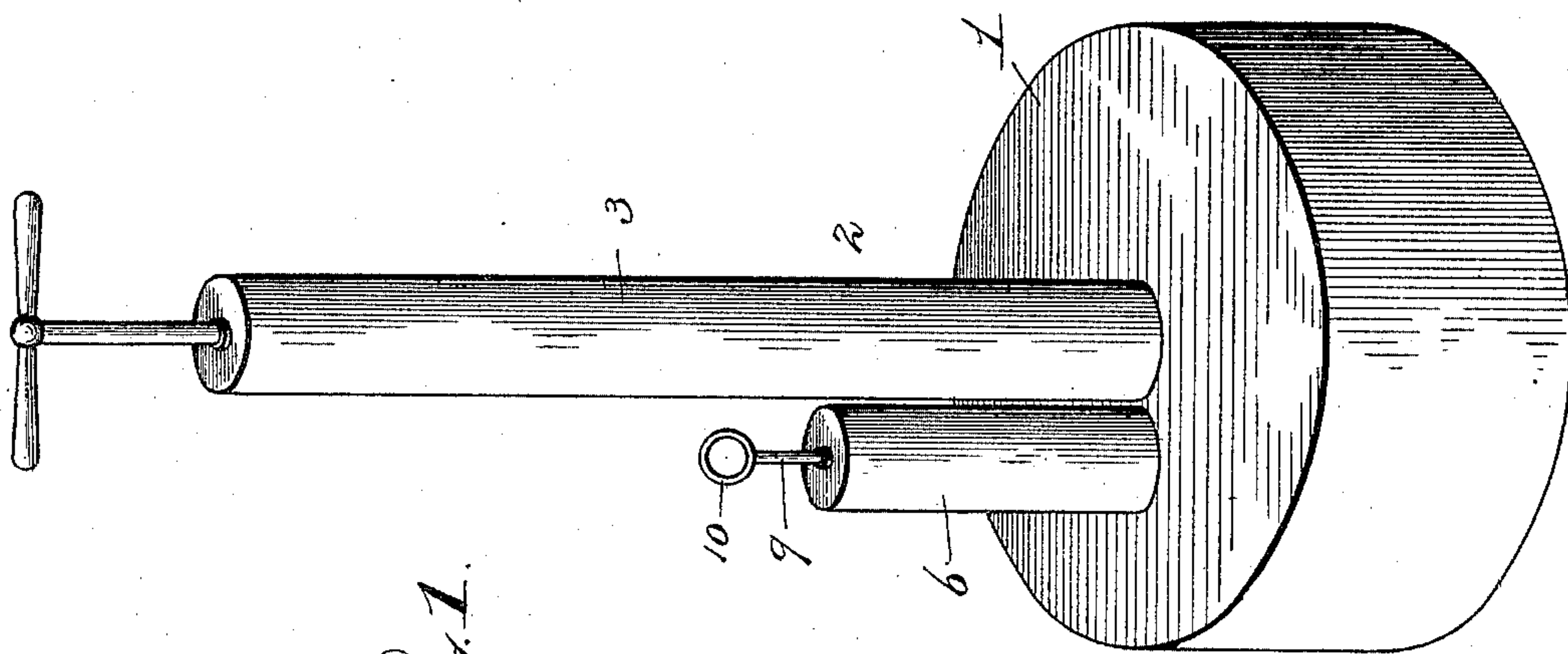


Fig. 1.

WITNESSES

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INSECT-EXTERMINATOR.

SPECIFICATION forming part of Letters Patent No. 584,484, dated June 15, 1897.

Application filed December 8, 1896. Serial No. 614,920. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH SCHINDLER, a citizen of the United States, residing at Engle, in the county of Fayette and State of Texas, have invented certain new and useful Improvements in Insect-Exterminators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to insect-exterminators.

The object of the invention is to provide a device of the character mentioned which is simple in its construction and designed to effectually destroy the red ant; and, further, the invention aims to provide in the construction of an exterminator efficient means for withdrawing the air from an ant-nest and substituting therefor a fluid or gas which may be ignited and thereby destroy the lives of the insects.

With this object in view the invention consists in the novel features of construction, combinations, and arrangements of parts, all of which will hereinafter be fully illustrated, described, and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of an exterminator constructed in accordance with the present invention. Fig. 2 is a vertical transverse sectional view thereof.

Similar numerals designate corresponding parts in both figures of the drawings.

Referring to the drawings, 1 designates a drum or shell, which may be formed of any suitable material, and said shell is of such diameter as to allow the same being placed over an ant-nest or other abiding-place of the insects to be exterminated, the material, however, being preferably of sufficient strength to allow the operator standing on the drum.

The lower end of the drum 1 is open, so as to permit the nest entering said drum, and projecting upwardly from the roof of the drum 1 is a suction-pump 2, the same consisting of a cylinder 3, in which is adapted to reciprocate a plunger 4, of any approved construction, and formed in the roof of the drum 1 is an opening 5, over which a valve 5^a is adapted to operate.

At a point adjacent to the pump 2 is a receptacle 6, also extending upwardly from the drum 1, and formed in the roof of the drum within said receptacle is a downwardly-tapering opening 7, in which is designed to be seated a stopper 8, an operating-rod 9 extending upwardly therefrom and terminating in a ring 10 by which said rod may be reciprocated vertically in order to displace the stopper 8 from the opening 7. The receptacle 6 is designed to receive carbon bisulfid, gasolene, or other equivalent material, and it is obvious that when the stopper 8 is removed from the opening 7 the fluid contained within the receptacle 6 will pass through said opening and into the ant-nest or other abiding-place of the insects to be exterminated.

The operation of the herein-described exterminator will be readily seen by those skilled in the art. When it is desired for use, the device is transported to the ant-nest and the drum 1 placed thereover, the ant-nest entering within said drum, so as to form a sufficiently air-tight space. Upon operation of the piston 4 of the pump 2 the air within the nest will be extracted therefrom and pass into said pump, when, by removing the stopper 8 from the opening 7 in the receptacle 6, the fluid contained in said receptacle will descend and enter the ant-nest, completely filling the same, and upon ignition the ants or other insects within the nest will be immediately destroyed.

From the foregoing description it will be observed that the herein-described improvements provide an exterminator which is very effective in operation and through the medium of which the red ant in particular, which heretofore has proved so troublesome and difficult to exterminate, will be easily destroyed. It is also apparent that the device may be transported from place to place with little difficulty. Although I have described carbon bisulfid and gasolene as the fluids employed in connection with the device, I wish it to be understood that I do not limit myself to said fluids, as any well-known substitute therefor may be used.

It is also evident that the invention is susceptible of changes in the form, proportion, and minor details of construction, which may be accordingly resorted to without departing

from the spirit or sacrificing any of the advantages of the invention, and while the latter has been described as employed for the extermination of red ants it will be understood that I do not restrict myself to such use, as the invention may be used for the extermination of any insects.

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

1. In an insect-exterminator, the combination with a drum adapted to be placed over the nest of the insects, and means carried by said drum for extracting the air from said nest, of a receptacle carried by said drum and adapted to receive a suitable igniting fluid for filling the nest of the insects when the air therein has been extracted therefrom, substantially as described.

2. In an insect-exterminator, the combination with a drum adapted to be placed over the nest of the insects, of a suction-pump carried by said drum and adapted to extract the air from the nest of the insects, and a receptacle also carried by the drum and adapted to receive an inflammable material adapted to be inserted into the nest when the air therein has been extracted, substantially as described.

3. In an insect-exterminator, the combination with a drum adapted to be placed over the nest of the insects, of a suction-pump carried by said drum and adapted to extract the

air from the nest of the insects, a receptacle also carried by the drum and adapted to receive an inflammable material for insertion into the nest of the insects when the air therein has been extracted, and a suitable stopper arranged within said receptacle and adapted to regulate the flow of the fluid therefrom, substantially as described.

4. In an insect-exterminator, the combination with a drum having one of its sides open so as to permit said drum being placed over the nest of the insects, of a suction-pump mounted on said drum and adapted to extract the air from the nest of the insects, a receptacle also mounted on said drum and adapted to receive an inflammable material, the roof of the drum below said receptacle being provided with a downwardly-tapering opening, and a stopper for said opening provided with means for effecting the removal of the same therefrom, whereby the flow of the material from said receptacle into the nest of the insects may be regulated, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOSEPH SCHINDLER.

Witnesses:

FRANK VRAZEL,
JAMES MARESH.