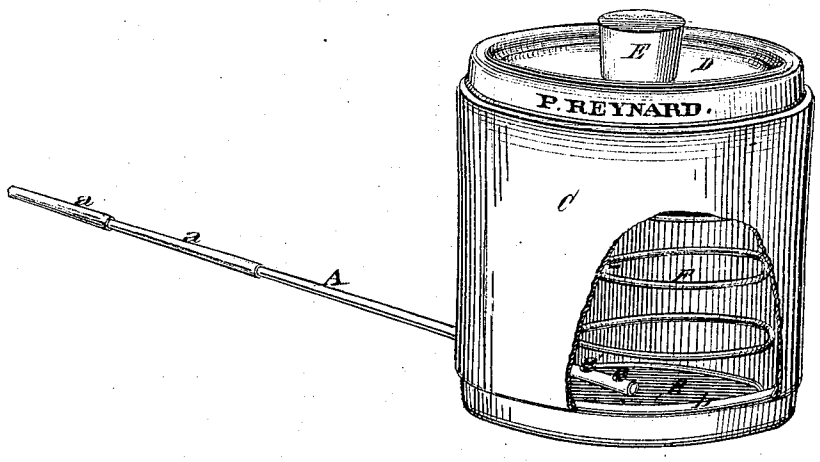
P. REYNARD.

Improvement in Insect-Destroyers.

No. 129,167. Patented July 16, 1872.



ATTEST
Jas. L. Wurn
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INVENTOR.
Peter Reynard
By Knights Bros Attys.

UNITED STATES PATENT OFFICE.

PETER REYNARD, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN INSECT-DESTROYERS.

Specification forming part of Letters Patent No. 129,167, dated July 16, 1872.

To all whom it may concern:

Be it known that I, PETER REYNARD, of the city and county of St. Louis and State of Missouri, have invented an Improved Insect-Powder Ejector, of which the following is a specification:

The improved ejector is composed of a spring-bellows of simple construction, furnished with an extensible nozzle arranged at the bottom, perforated within the bellows, and projecting radially from the side of the same, as hereinafter fully set forth.

Figure 1 is a perspective view of the ejector in the expanded condition, a part being broken away to show the interior; Fig. 2 shows an elevation, the ejector somewhat compressed to cause the expulsion of powder.

A is the nozzle, which is furnished with additional sections *a*. It is open at both ends, and has, besides, perforations, *a'*. The nozzle is attached to the disk B which forms the bottom of the bellows. The bottom has an upturned lip, *b*, to which is secured the lower edge of a rubber tube, C, the upper edge of the tube being secured to the down-turned edge of a parallel disk, D, forming the cap. E is a stopper or cork fitting an orifice in the cap through which the powder is placed in the vessel. F is a spiral spring by which the cap is raised after compression.

To eject the powder the cap is depressed by the thumb, and the escaping air carries the powder through the nozzle A. When the cap is relieved from the pressure of the thumb, the spring F raises the cap, and a fresh supply of air is drawn in through the nozzle. The entering air disturbs the powder and presents an additional supply to be driven out with the air at the next compression. When applying the powder for the extermination of insects at a distance from the operator, as at the ceiling of a room, or on plants at a distance from the operator, one or more additional nozzle-sections *a* are used, as shown in Fig. 1.

The following is claimed as new:

The extensible nozzle A *a* constructed, arranged, and operating as herein shown and described, in combination with the spring-bellows B C D E F, for the purpose specified.

PETER REYNARD.

Witnesses:

SAML. KNIGHT,

EDMOND SURBLED.