No. 841,297. PATENTED JAN. 15, 1907.

W. P. WYARD.

VERMIN EXTERMINATOR.

APPLICATION FILED JAN. 19, 1906.

Fig. 1.

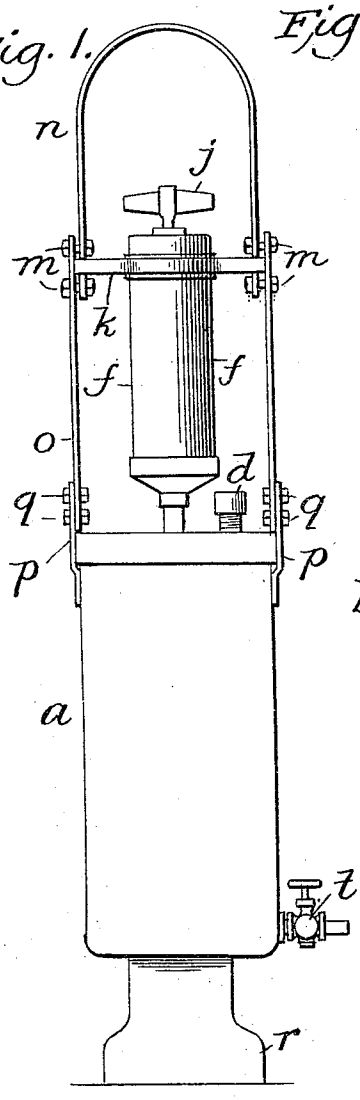
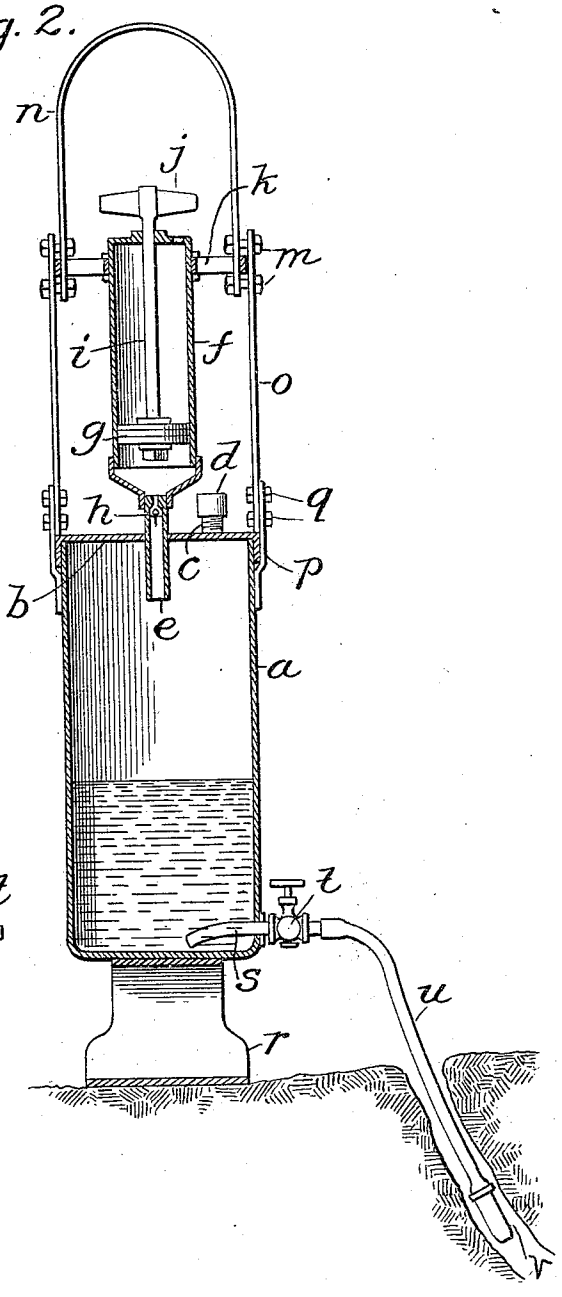


Fig. 2.



Witnesses
James P. Dubamel.
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UNITED STATES PATENT OFFICE.

WALTER P. WYARD, OF CATHAY, NORTH DAKOTA.

VERMIN-EXTERMINATOR.

No. 841,297. Specification of Letters Patent. Patented Jan. 15, 1907.

Application filed January 19, 1906. Serial No. 296,747.

To all whom it may concern:

Be it known that I, WALTER P. WYARD, a citizen of the United States, residing at Cathay, in the county of Wells and State of North Dakota, have invented certain new and useful Improvements in Vermin-Exterminators, of which the following is a description, reference being had to the accompanying drawings.

My invention relates to improvements in devices for destroying gophers and like pests which burrow; and the object of my invention is to provide a vermin-destroyer which will be simple in construction, efficient in operation, cheap in manufacture, not liable to get out of order, readily carried about, and not requiring any heating device in its operation.

In the drawings illustrating the principle of my invention and the best mode now known to me of applying that principle, Figure 1 is an elevation, and Fig. 2 a vertical central sectional view, of my new vermin-exterminator.

The reservoir *a* is provided with a top *b*, into which is screwed a tubular plug *c*, provided with a screw-cap *d*. The reservoir is filled partially with the destroying solution, which is poured in through the tubular plug *c*. Through the top *b* of the reservoir projects the nozzle *e* of an air-pump *f*, provided with a piston *g* and an air-valve *h*. The piston-rod *i* is provided with the handle *j*, by which the air-pump is operated to force air under pressure into the reservoir *a* past the valve *h*. The air-pump is mounted in a collar *k*, held between the screw-bolts *m*, by which the handle or bail *n* is secured to the side straps *o*, attached to the reservoir *a* by lugs *p* and screw-bolts *q*.

The bottom of the reservoir is provided with a stirrup *r*, through which the operator passes his foot while operating the air-pump. From the bottom of the reservoir leads a pipe *s*, provided with a globe-valve *t*, to the outlet from which is secured a hose-pipe *u*, provided with a spraying-nozzle *v*, which may be taken apart for cleaning.

The operation is as follows: The solution is poured into the reservoir *a* through the tubular plug *c* until the desired quantity is held by the reservoir. The screw-cap *d* is then replaced, and the air-pump is operated until the requisite air-pressure exists in the reservoir, the device being held meanwhile in position by the foot resting in the stirrup *r*. The spraying-nozzle *v* and the hose-pipe *u* are then inserted into the gopher's burrow, and the globe-valve *t* is adjusted to permit a quantity of the fluid or solution to flow from the reservoir *a* sufficient to take up the oxygen of the air. The solution issues from the nozzle *v* in the form of a spray, and the gases formed by its combination with the oxygen of the air are much heavier than the air itself. These gases quickly settle down into the burrow and suffocate the animal.

In my device no heat or fire of any kind is necessary; but, on the contrary, all flame must be kept away therefrom.

As will now be obvious, the construction of my new destroyer is simple and inexpensive. There are no parts which are liable to get out of order, and the device is durable. The cost of running the device is very little. The device is extremely handy, and it may be hung up on a nail in a granary or outhouse or carried on a plow or seeder and used on the instant.

What I claim is—

A vermin-exterminator comprising a reservoir provided at its lower end with a stirrup through which the operator passes his foot and with an outlet-aperture in which is fitted a pipe provided with a valve adjustable to regulate the flow of the solution from the reservoir according to the size of the burrow; a hose attached to the said pipe and provided with a spraying-nozzle; an air-pump the outlet end of which projects through an opening in the top of said reservoir and the other end of which is securely held by a collar; a pair of side straps the lower end of each of which is secured to said reservoir near its upper end and the upper end of each of which is secured to a bail; said bail secured to said side straps and to said collar; said collar; and a screw-cap which normally closes the opening through which the solution is poured into said reservoir.

WALTER P. WYARD.

Witnesses:
A. P. LIES,
B. W. WALTOW.