

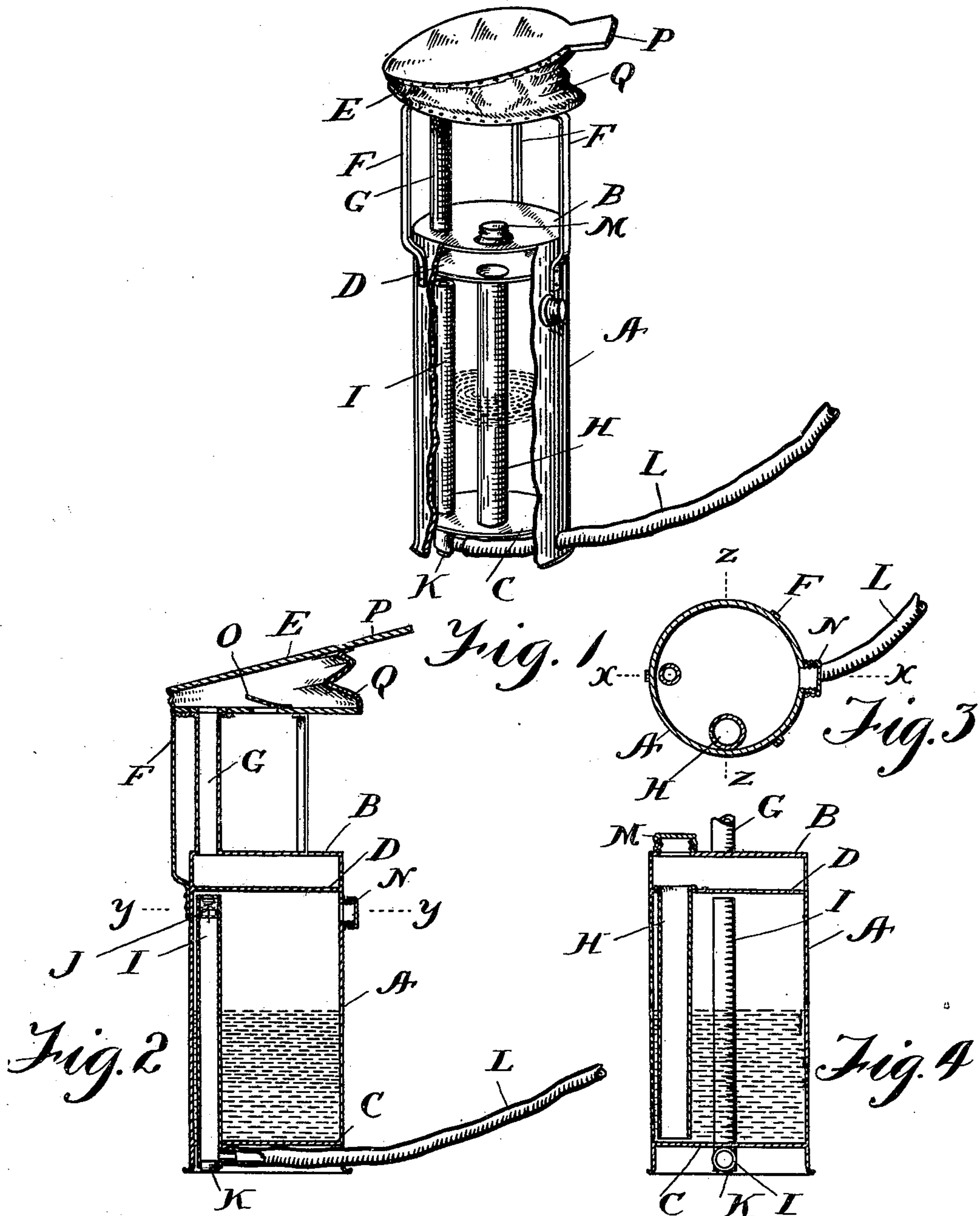
No. 712,667.

Patented Nov. 4, 1902.

J. V. GOULARDT.
ANIMAL EXTERMINATOR.

(Application filed Apr. 16, 1902.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH V. GOULARDT, OF HAYWARDS, CALIFORNIA.

ANIMAL-EXTERMINATOR.

SPECIFICATION forming part of Letters Patent No. 712,667, dated November 4, 1902.

Application filed April 16, 1902. Serial No. 103,209. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH V. GOULARDT, a citizen of the United States, residing at Haywards, in the county of Alameda and State of California, have invented certain new and useful Improvements in Animal-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.

My present invention is an improvement in animal-exterminators; and it has for its objects to produce an exterminator which will possess all the requisites of strength and durability and which will be especially simple in construction, efficient in operation, and capable of being readily cleansed or otherwise manipulated.

A further object of my invention is to make provision whereby the liability of clogging of the parts is reduced to a minimum, while danger from the accidental escape of the confined gases or liquid during the non-use of the device is obviated.

The process of extermination by the use of smoke as a medium is slow and objectionable, owing to its comparative non-poisonous action and the readiness with which it escapes through crevices in the ground. I have therefore constructed my invention with the idea of using carbon disulfid (CS_2) as a medium whose fumes, besides having a specific gravity sufficient to insure their settling in the burrows, have a marked and rapid destructive action on animal life. The parts are so arranged relatively that the accidental overturning of the device will not endanger the escape of the contents or its admission to other parts of the exterminator.

I am enabled to accomplish the above results by the means illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the complete device with a portion of the outer wall broken away to show the relative arrangement of the interior parts. Fig. 2 is a vertical section of the device on the line xx of Fig. 3. Fig. 3 is a transverse section on the line

yy of Fig. 2. Fig. 4 is a vertical section on the line zz of Fig. 3.

In the above views similar letters of reference represent corresponding parts.

The main body or holder of the device consists of a cylindrical reservoir A, made of galvanized iron and provided with a closed top B and a similarly-formed bottom C, the latter being positioned slightly above the bottom rim of the holder, while arranged transversely across the holder and at a short distance below the top B is the partition or deck D.

Above the top B and of a diameter greater than the cross-section of the holder A is the bellows E, which is supported in a rigid position relative to the holder by means of the three braces F.

Extending downward from one end of the bellows E and entering the top B at a point near the outer rim of the holder is the pipe G, while leading from the deck D and at a point ninety degrees around from the pipe G is the pipe H, which reaches to within a short distance from the bottom C.

Protruding through the bottom C and in a line with the pipe G is the pipe I, the upper end of which almost reaches the deck D and is provided with the delicate spring-valve J, while the lower end is closed by means of the cork K and is connected with the flexible hose L, the latter passing through the side wall of the holder.

The removable screw-cap M is positioned in the top B at a point directly above the pipe H, while through the side wall of the holder is the opening N, closed by means of a cap.

Of course it will be understood that a suitable valve O is arranged in the usual manner to admit the supply of air to the bellows, while the handle P and flexible bag Q are identical with those used on the ordinary fire-bellows.

I will now explain the operation of the device, assuming that the carbon disulfid in the form of a liquid is placed in the holder A. As the handle P is grasped and the bellows Q operated air will be forced through the pipe G into the upper part of the holder above the deck D, after which it passes through the large

pipe H and bubbles up through the liquid, forming a vapor, which passes through the pipe I and finally to the tube L and burrow of the animal, thereby accomplishing the speedy
5 destruction of the latter.

By removing the cap M the interior of the pipe H can be readily inspected and cleared of any deposit, while by means of the valve J and relative arrangement of the pipes I and
10 H, tube L, and handle P, should the machine be overturned, the liquid contents would be prevented from leaving the holder and gaining access to the interior of the pipes.

I am aware that changes in the form and
15 proportion of parts of the devices herein shown and described as an embodiment of my invention can be made without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to
20 make such changes and alterations.

What I claim as my invention is—

1. An animal-extermiator consisting of a holder for the reception of the exterminating medium, a partition or deck near the upper
25 portion of said holder, an air-bellows con-

nected to said holder, a pipe leading from said bellows to said holder at a point above said deck, a secondary pipe leading from said deck to a point below the level of said medium, and a third pipe leading from said holder at a point
30 above the level of said medium, substantially as and for the purpose set forth.

2. An animal-extermiator consisting of a holder for the reception of the exterminating medium, a partition or deck near the upper
35 portion of said holder, an air-bellows connected to said holder, a pipe leading from said bellows to said holder above said deck, a secondary pipe leading from said deck to below the level of said medium, and a third pipe
40 leading from said holder at a point above the level of said medium, and a valve positioned in said third pipe, said two latter pipes being arranged relatively as set forth.

In testimony whereof I affix my signature
45 in presence of two witnesses.

JOSEPH V. GOULARDT.

Witnesses:

GEORGE PATTISON,
ELIZ. KINCAID.