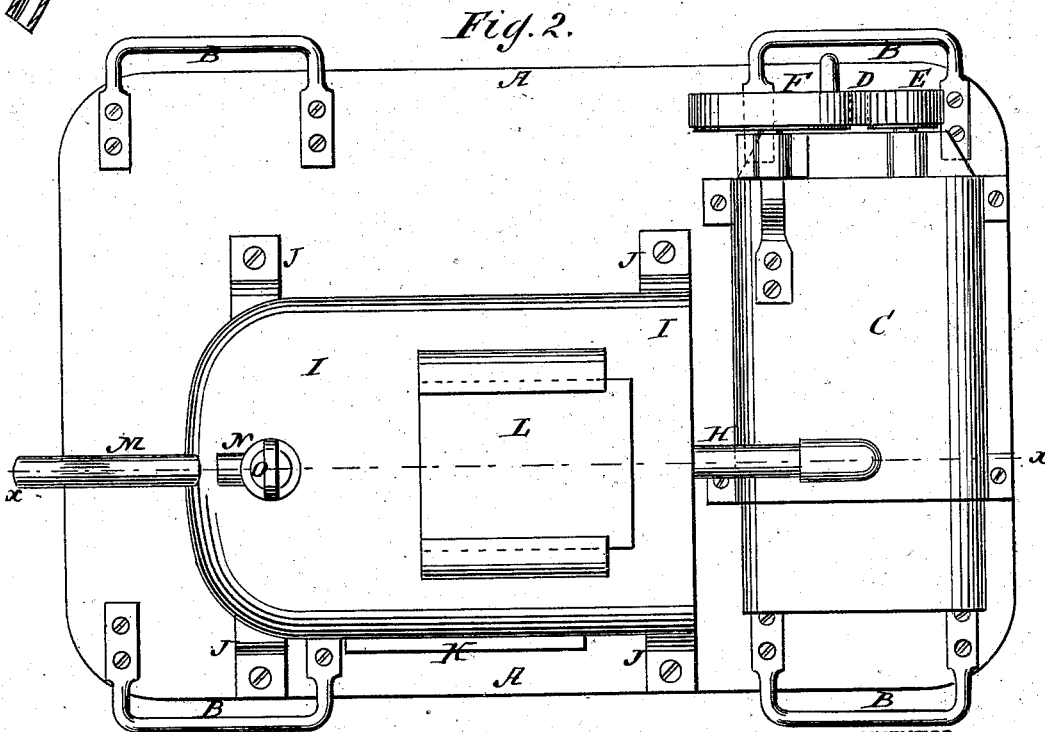
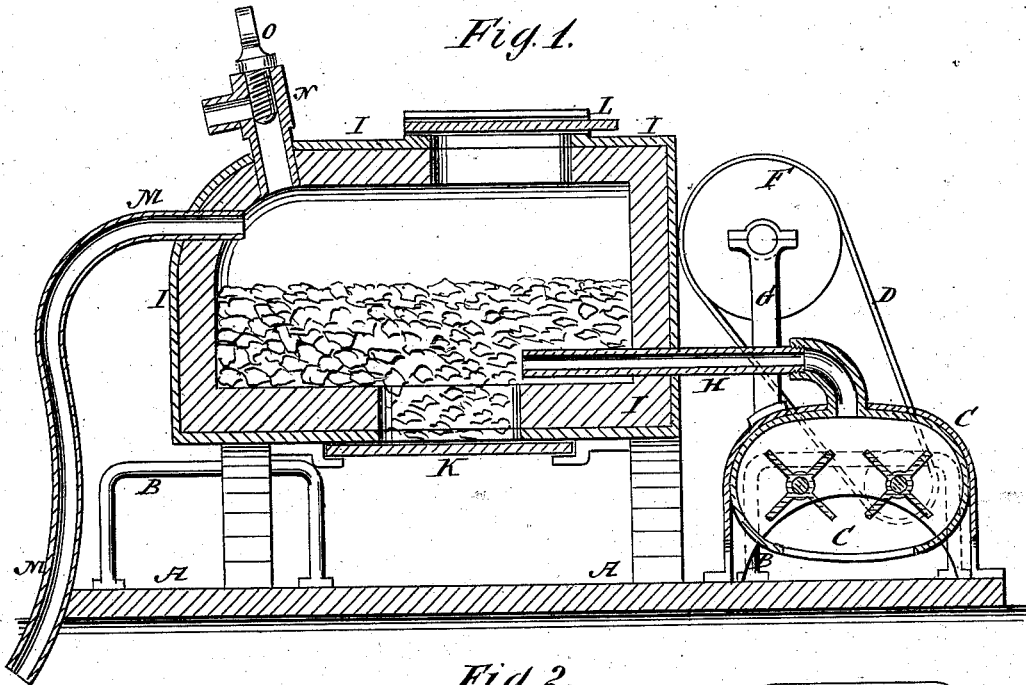


H. DREYER.

GROUND-SQUIRREL EXTERMINATOR.

No. 192,905.

Patented July 10, 1877.



WITNESSES:

*E. Wolff.*  
*J. H. Scarborough.*

INVENTOR:

*H. Dreyer*  
BY *[Signature]*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HENRY DREYER, OF OAKLAND, TEXAS.

## IMPROVEMENT IN GROUND-SQUIRREL EXTERMINATORS.

Specification forming part of Letters Patent No. **192,905**, dated July 10, 1877; application filed February 17, 1877.

*To all whom it may concern:*

Be it known that I, HENRY DREYER, of Oakland, in the county of Colorado and State of Texas, have invented a new and useful Improvement in Ground-Squirrel Exterminator, of which the following is a specification:

Figure 1 is a vertical longitudinal section of my improved apparatus, taken through the line *x x*, Fig. 2. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved apparatus by means of which ground-squirrels and gophers can be destroyed in their holes, conveniently and effectively, and at small expense.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A is a board about two and a half feet long and one and a half feet wide. The board A is designed to receive the apparatus, and to its four corners are attached four handles, B, for convenience in adjusting and carrying it. To the board A, near one end, is attached a Root's blower, C, the fans of which are driven by a band, D, which passes around a pulley, E, attached to the journal of one of the fan-shafts. The band D also passes around a crank-wheel, F, which is pivoted to a bracket, G, attached to the case of the blower, or to some other convenient support. The band and pulleys D E F may be replaced with toothed gear-wheels, if desired.

H is the discharge or blast pipe of the blower C, which enters the lower part of the furnace I. The furnace I is attached to the upper ends of the legs J, which are made of such a length as to raise the furnace I to a convenient height, and the lower ends of which are attached to the board A.

The furnace I is made with an opening in its

bottom, closed with a slide, K, to enable it to be conveniently cleaned, and with an opening in its top, closed with a slide, L, to enable the fuel and chemicals to be conveniently inserted.

With the upper part of the forward end of the furnace I is connected the end of a pipe, M, which is made of such a length that its lower end may project below the board A, to enter the hole leading to the nest of the ground-squirrels or gophers.

To the upper part of the forward end of furnace I is attached a short elbow-pipe, N, provided with a screw-plug, O, or a faucet or valve, so that the products of combustion may be allowed to escape, should the lower end of the pipe M become clogged with soil, to prevent an explosion. The furnace I is about eighteen inches long, fourteen inches wide, and fifteen inches deep, and is capable of holding about half a bushel.

In using the apparatus a small quantity of wood, to start the fire, is put into the furnace, and about fifteen pounds of stove-coal, and the end of the pipe M is inserted in the hole leading to the nest of the gophers or ground-squirrels, and the soil is packed around it. After the coal is fully kindled, about ten pounds of sulphur is put in, and the slide L is closed, so that the action of the fan-blower will force the fumes through all the branch passages of the nest, and the whole colony will be destroyed in a very few minutes.

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

An insect-destroyer furnace, provided with inlet for fuel at top, outlet for refuse at bottom, and gas-tight slides K L for said inlet and outlet, as shown and described.

HENRY DREYER.

Witnesses:

DAVID A. CALHOUN,  
HENRY J. STRANK.