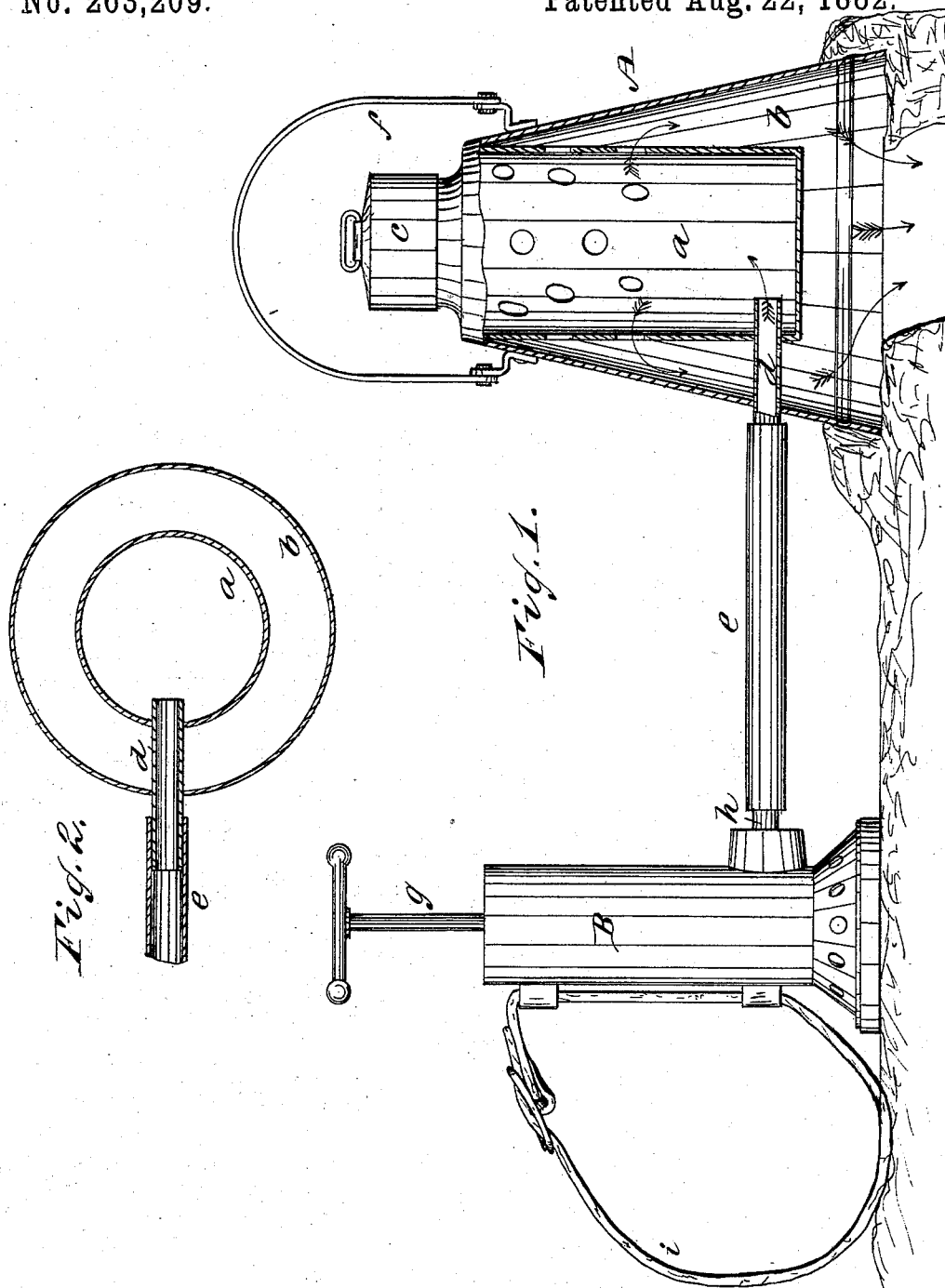


(No Model.)

A. D. PALMER.
APPARATUS FOR KILLING RODENTS.

No. 263,209.

Patented Aug. 22, 1882.



WITNESSES:

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UNITED STATES PATENT OFFICE.

AUSTIN D. PALMER, OF ABILENE, TEXAS.

APPARATUS FOR KILLING RODENTS.

SPECIFICATION forming part of Letters Patent No. 263,209, dated August 22, 1882.

Application filed May 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, AUSTIN D. PALMER, of Abilene, in the county of Taylor and State of Texas, have invented a new and Improved Apparatus for Killing Rodents, of which the following is a full, clear, and exact description.

The object of my invention is to furnish an apparatus that may be used effectively for the destruction of all animals that burrow in the ground; and it consists in a furnace for the generation of sulphurous odors or other suffocating gases and a pump for forcing the gases into the burrows of the animals, as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional elevation of the apparatus as arranged for use. Fig. 2 is a horizontal section of the furnace.

A is the furnace, which consists of an inner cylinder, *a*, closed at the bottom and perforated in the upper portions, and an outer inclosing case, *b*, which has an open bottom and is provided at the top with a removable cap, *c*, that gives access to the interior of the furnace. *d* is a tube from the lower part of the inner cylinder, *a*, extending through the case *b*, and provided with a flexible tube, *e*, for connection with the pump. The furnace is also provided with a handle, *f*, for convenience in carrying it.

B is an air-pump, that may be of any suitable construction, provided with a piston-rod, *g*, and having its outlet-pipe *h* connected with the flexible tube *e* of the furnace. The pump

is mounted upon a suitable base and provided with a strap, *i*, for use in carrying the pump from place to place.

In the operation of the apparatus the furnace is to be placed over the outlet of the burrow and the soil packed tightly around the lower end of the inclosing-case *b*, so as to exclude the air. Sulphur or other suitable material is placed in the furnace, together with fire-brands, and the pump then operated to force the air into the furnace through the flexible tube. This operation causes the quick combustion of the sulphur and the odors are forced into the burrow, so that the animals therein are quickly suffocated.

The apparatus may be made of any suitable size according to the requirements, and may be used for the extermination of prairie dogs and other animals of the rodent species. The material used is preferably sheet metal.

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

In an apparatus for exterminating rodents, the furnace consisting of the outer bottomless vessel, *A*, the inner serially-perforated vessel, *a*, with its bottom arranged above the plane of the lower edge of the vessel *A*, and having a cover, *c*, and the pipe or pipes *d e*, connecting the same with a force-pump, substantially as shown and described, and for the purpose set forth.

AUSTIN DOZIER PALMER.

Witnesses:

J. T. HOUSER,

W. T. BERRY.