(No Model.)

O. S. ERICKSON.

FUMIGATING CARTRIDGE.

No. 527,484. Patented Oct. 16, 1894.

Fig. 1.

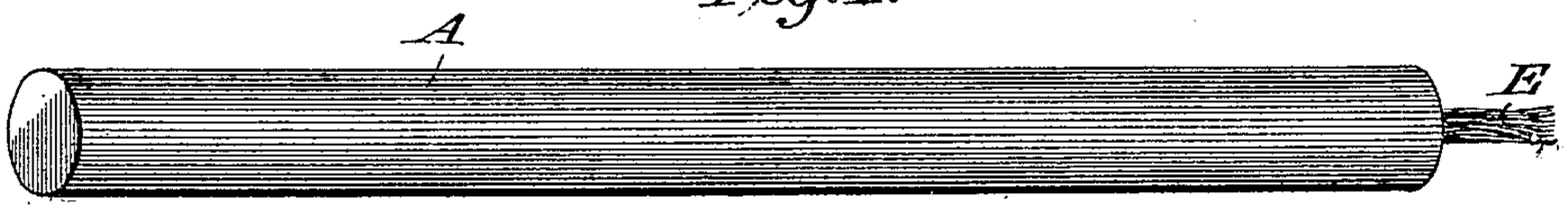
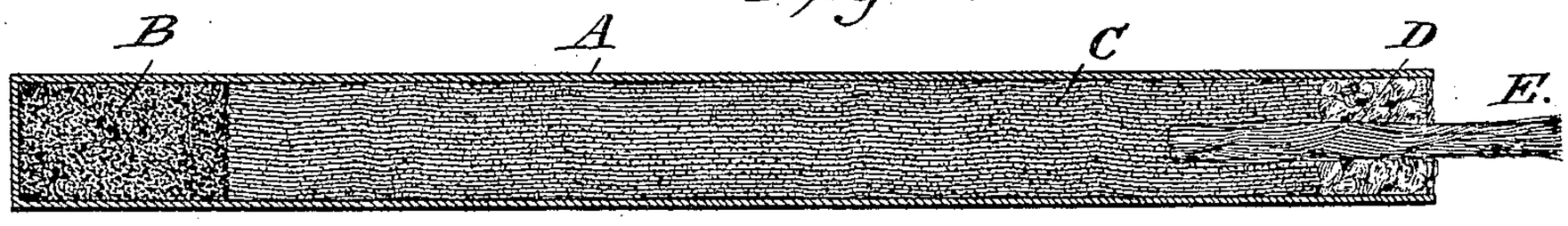


Fig. 2.



WITNESSES:

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FUMIGATING-CARTRIDGE.

SPECIFICATION forming part of Letters Patent No. 527,484, dated October 16, 1894.

Application filed May 29, 1894. Serial No. 512,858. (No model.)

To all whom it may concern:

Be it known that I, OLE S. ERICKSON, a citizen of the United States, residing at Moscow, in the county of Latah and State of Idaho, have invented certain new and useful Improvements in Squirrel-Exterminators; and I do 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 invention, which is in the nature of an explosive cartridge or shell, adapted to be placed in the burrows made by animals in the ground, has primarily for its object to provide a shell having an internal filling or preparation which, when ignited, will first burn to produce poisonous gas and smoke, and then explode and force such poisonous gas and smoke into all parts of the burrow.

It has also for its object to provide a shell of this kind of an inexpensive nature, which when ignited will first serve to kill off the animals by the poisonous smoke and gases generated and then rupture or break up the burrows by explosion.

My invention consists in a shell constructed in the manner hereinafter first described in detail and then specifically set out in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved exterminator, and Fig. 2 is a longitudinal section thereof.

Referring to the accompanying drawings, A indicates the shell proper, which in the practical construction is formed of paper, of a cylindrical shape, and preferably about ten inches long and seven-eighths of an inch in diameter. At its inner end the shell is loaded with a charge of powder B, on which is filled to a point near the upper end of such shell a mixture of sulphur, powder and charcoal indicated by C, which mixture is preferably moistened with nitric acid, such preparation being intended, when ignited, to generate a poisonous gas and smoke.

E indicates a common fuse inserted into the mixture C and extended beyond the shell and through a cotton batting plug D, which closes the end of the shell, which in practice is then crimped to hold the internal parts in place.

In operation after the fuse is ignited, the shell is placed, with fuse end foremost into the hole that leads to the animal's burrow in the ground; and as the mixture C becomes ignited it will first burn and generate a great quantity of poisonous gas and smoke, which, as the fire reaches the powder charge, is forced by the explosion of such charge into all the parts of the burrow, the hole or entrance thereto being at the same time ruptured and so broken up as to prevent other animals finding a home therein.

The cylinder into which the compound is placed may be formed of any suitable material and desired shape, as it is obvious that such details in no wise affect the scope of the invention.

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

1. An improved squirrel exterminator comprising a shell, having an explosive compound at its rear end, an intermediate filling of sulphur, powder and charcoal, moistened with nitric acid; a cotton plug and a fuse inserted through the plug into the intermediate filling, substantially as shown and described.

2. An improved squirrel exterminator comprising a paper shell or case, an explosive charge at the rear end of the same, a slow burning and gas generating mixture arranged next to said charge, said mixture consisting of sulphur, powder and charcoal, moistened with nitric acid, a cotton plug placed next to said mixture, and a fuse extending through the plug into the mixture, substantially as shown and described.

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

OLE S. ERICKSON.

Witnesses:
NINA L. COON,
WM. ERGMANN.