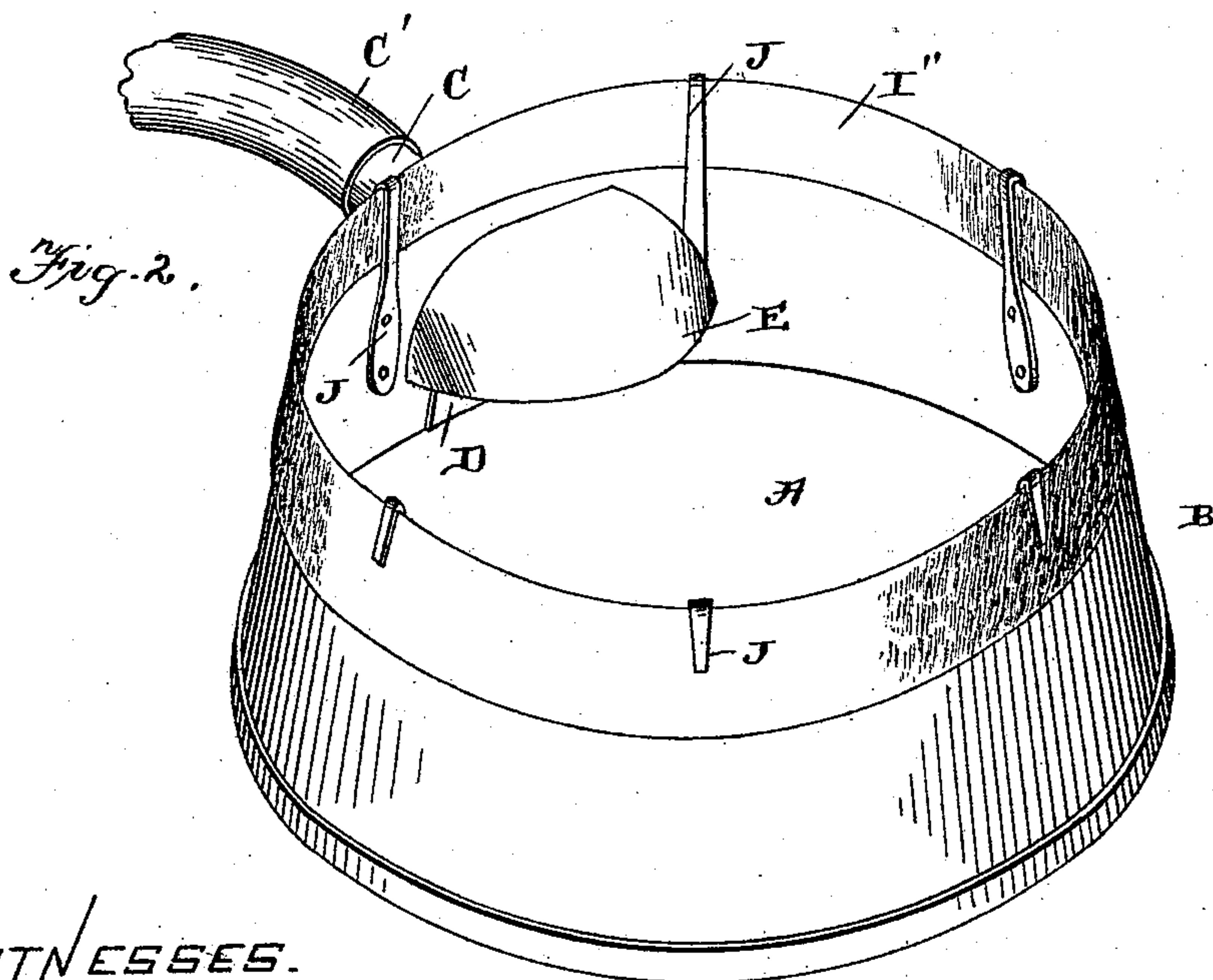
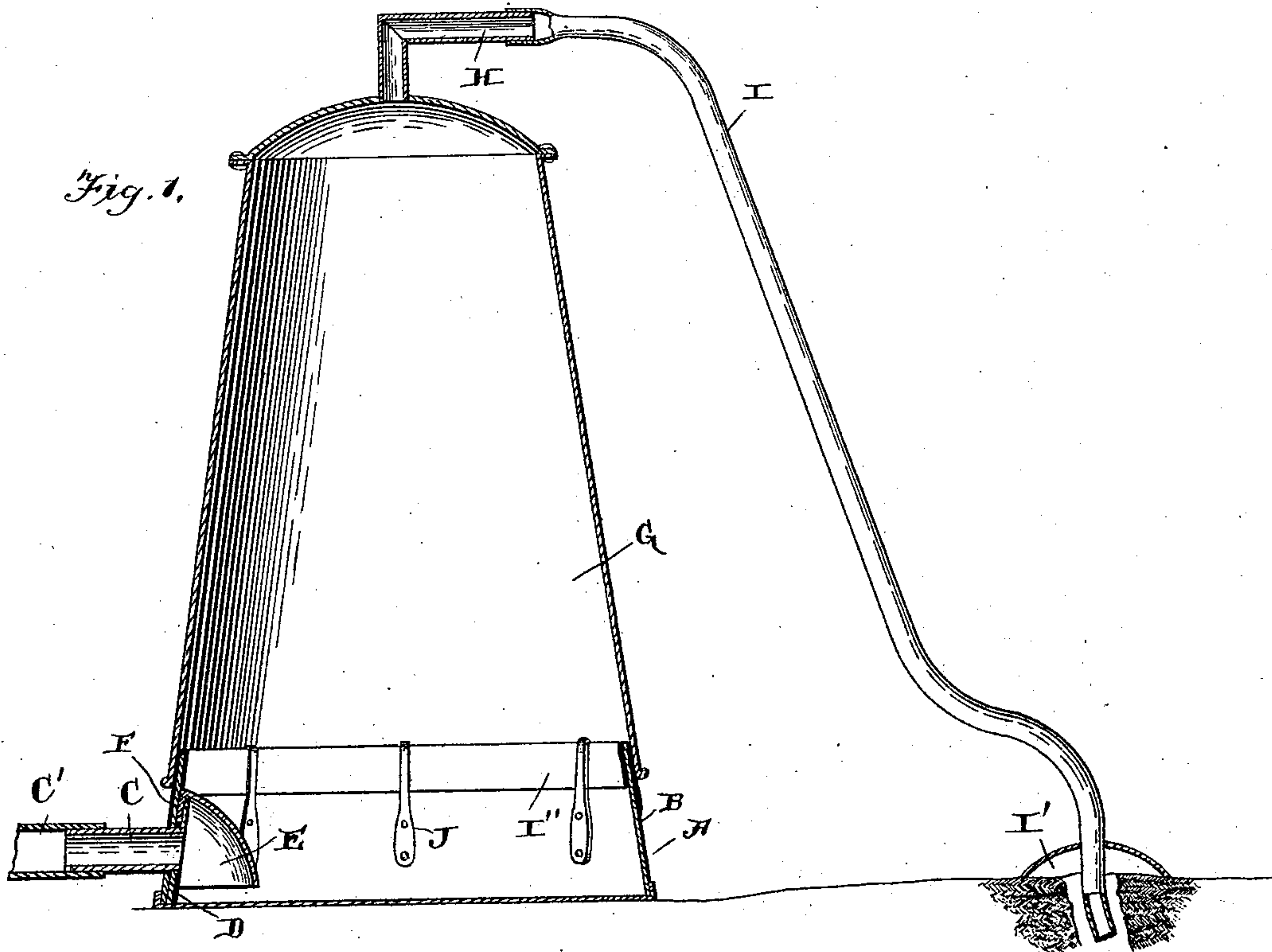


(No Model.)

T. A. MANAHAN.
FUMIGATOR.

No. 527,699.

Patented Oct. 16, 1894.



WITNESSES.

Geo. C. Trech.

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UNITED STATES PATENT OFFICE.

THADDEUS A. MANAHAN, OF FAIRFIELD, TEXAS.

FUMIGATOR.

SPECIFICATION forming part of Letters Patent No. 527,699, dated October 16, 1894.

Application filed July 5, 1894. Serial No. 516,632. (No model.)

To all whom it may concern:

Be it known that I, THADDEUS A. MANAHAN, of Fairfield, in the county of Freestone and State of Texas, have invented certain new and useful Improvements in Fumigators; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in fumigators; and the object of the same is to provide an improved device for burning fumes for the extermination of prairie dogs, mice, rats, Texas red ants, and other destructive vermin.

The invention consists in the novel features of construction hereinafter fully described and claimed and illustrated in the accompanying drawings, in which—

Figure 1 is a vertical sectional view of my improved device. Fig. 2 is a detached view of the base or burning chamber.

A indicates the chamber which may be provided with a grate if desired, in which sulphur or other material is burned to create the desired fumes, the same being provided with the contracted or cone shaped sides B and extended therinto is the pipe C to which a bellows or other blower is attached by means of flexible connection C' and arranged over and around the inlet end of this pipe is the plate D. Depending around this plate is the deflector E positioned as shown and provided with the down turned back edge F which depends between the said plate D and the wall B thus holding the deflector firmly in position.

Adapted to fit down over conical wall B is the dome shaped hood or chamber G from the upper end of which leads pipe H to which is attached hose I, the latter being inserted in the burrow of the vermin to be exterminated for the purpose of leading the fumes thereinto as will be readily understood. A burrow cover or funnel I' is attached to the hose as shown for preventing the escape of fumes

from the burrow. For the purpose of creating a tight joint between the base and the dome I provide the asbestos packing I'' which is folded over the upper edge of wall B as shown and down over this packing is formed or positioned the dome as shown in Fig. 1. For holding the packing in position I provide the clips J which consist of pieces of flat metal which are secured at their lower ends to the inner side of wall B and projected over the packing and bent down on the outside thereof thus securely holding the packing upon the said wall and preventing its removal when the dome is lifted from its position on the base.

A fumigator constructed as herein shown and described is very simple in construction and cheap, being formed of few and inexpensive parts. The deflector described above serves to evenly distribute the draft through the chamber and thus carry the fumes from all parts thereof up into the dome while the bellows or other blower forms sufficient draft to carry the same into the burrows of the animals to be exterminated. The packing between the burning chamber and the dome is effectual in that it cannot be destroyed by the fire and is securely held in place so as not to be removed each time the dome is lifted from its position for the purpose of inserting and firing the material which forms the fumes.

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

1. An improved fumigator comprising a chamber and a suitable outlet therefor, an inlet pipe projected into the chamber, a plate secured adjacent the inlet end of the pipe and also adjacent the wall of the chamber, and a deflector for the inner end of the pipe having its rear edge turned down and inserted between the plate and wall for holding the deflector in position, substantially as shown and described.

2. An improved fumigator comprising a burning chamber having a surrounding wall, a dome adapted to fit thereover, a packing arranged between the wall and the chamber, de-

vices carried by the chamber for holding the packing in position, and inlet and exit pipes, substantially as shown and described.

3. An improved fumigator comprising a
5 burning chamber having a surrounding wall, a dome adapted to fit thereover, a packing arranged between the dome and the wall, clips formed of metal strips and secured to the wall of the chamber and bent upward and over the

packing for the purpose of holding it in position, and inlet and exit pipes, substantially as shown and described.

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

THADDEUS A. MANAHAN.

Witnesses:

A. G. ANDERSON,
S. V. MOSELEY.