

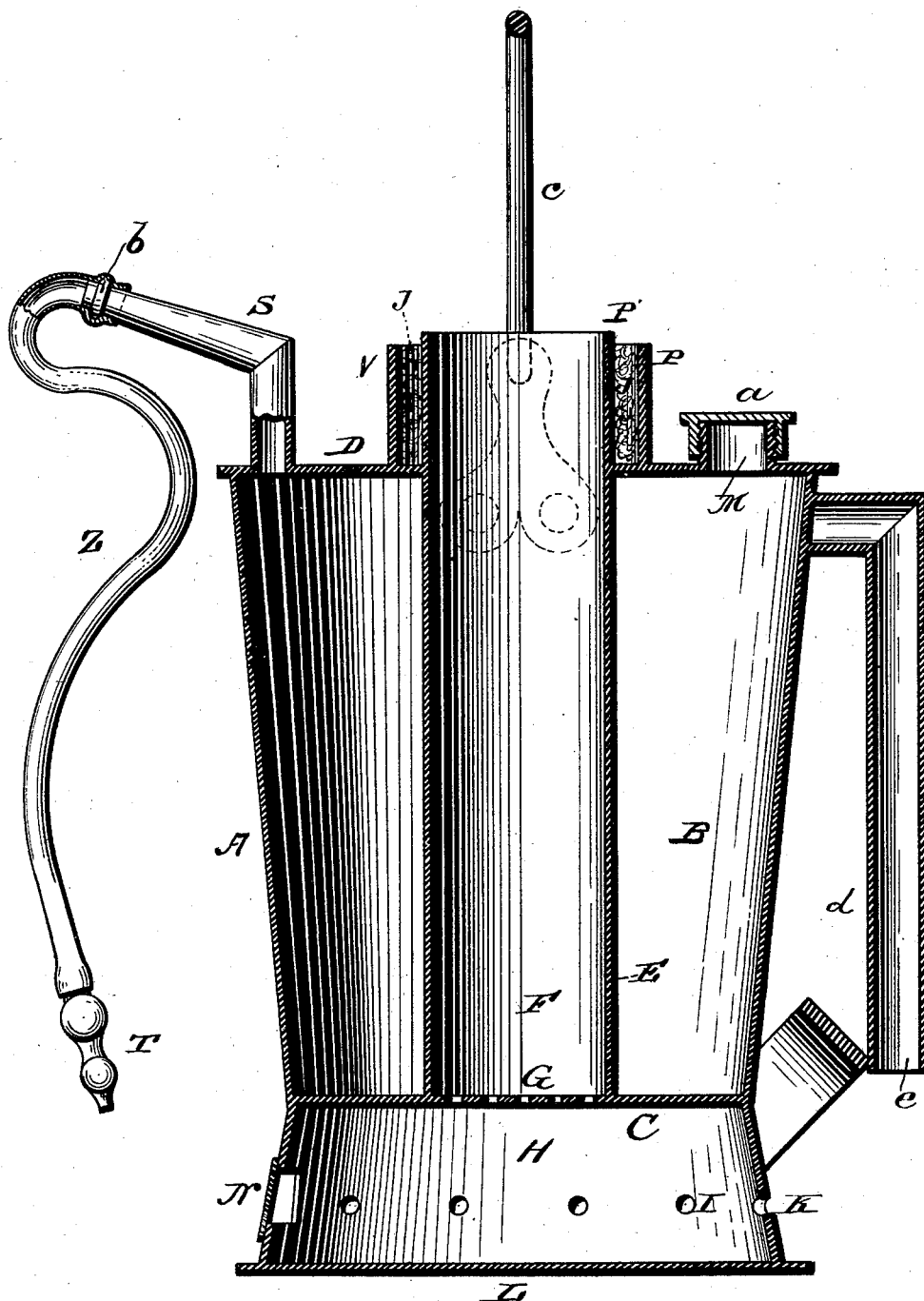
(No Model.)

H. C. WOFFORD & L. A. McCORD.

VERMIN DESTROYER.

No. 306,041.

Patented Sept. 30, 1884.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

HENRY C. WOFFORD AND LUTHER A. McCORD, OF CLINTON, S. C.

## VERMIN-DESTROYER.

SPECIFICATION forming part of Letters Patent No. 306,041, dated September 30, 1884.

Application filed April 10, 1884. (No model.)

### *To all whom it may concern:*

Be it known that we, HENRY C. WOFFORD and LUTHER A. McCORD, citizens of the United States, residing at Clinton, in the county of Laurens and State of South Carolina, have invented certain new and useful Improvements in Vermin-Destroyers; and we 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, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification.

The figure of the drawing is a vertical sectional view of our device.

This invention has relation to portable steaming apparatus for destroying insects; and it consists in the construction and novel arrangement of parts, as hereinafter set forth, and pointed out in the appended claim.

In the accompanying drawing, the letter A designates the outer wall of the vessel, and B an annular water-chamber within said wall, having an annular bottom, C, and an annular top, D.

E represents the inner wall of this chamber, which is cylindrical, and forms the central vertical fire-box, F, the bottom G of which is perforated with openings to let the ashes fall through into the ash-chamber H below. The ash-chamber is formed by a downward extension, K, of the outer wall, A, and a base, L.

In the extension K are formed draft-openings I, and N is a door which may be opened to take out the ashes. The draft-openings may be regulated by valves.

Around the upper end of the cylindrical fire-box, which projects above the top D of the water-chamber, as shown at P, is provided a cylindrical guard-wall, V, parallel to the projecting portion P' of the wall of the fire-box, and forming around the latter an annular chamber, J, which is designed to be packed with some substance which is a bad conductor of heat. Charcoal may be used in the fire-box.

M represents the inlet-opening of the water chamber or boiler, which is provided with a screw-cap, a.

S is the spout of said chamber, which is of tapering form. Near the end of the spout is formed thereon a collar, b, and the end of a flexible pipe or tube, Z, of rubber is drawn upon this spout on the collar, as shown. The outer end of the flexible tube is provided with a discharge-nozzle, T, which is preferably made of wood, or is provided with a guard of wood or other non-conductor, so that it can be readily handled in directing the jet of steam as required.

c indicates the bail which enables the operator to carry the vessel with care from place to place.

d is a rear handle, of tubular form, extending vertically, and having an open lower end, e, adapted to engage a pole when it is desired to raise the device to a height, as in operating upon elevated vines and in the foliage of trees.

Having described this invention, what we claim, and desire to secure by Letters Patent, is—

The vermin-destroyer described, consisting of the vessel A, the central vertical fire-chamber, F, surrounded by the water-chamber B, the single plate C, perforated within the walls of the said fire-chamber to serve the functions of a fire-grate, bottom for the water-chamber, and roof for the ash-box, and the fire-chamber provided with the chamber J, containing non-conducting material, whereby a handle may be secured to the vessel which will not conduct heat to the hands of the operator, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

HENRY C. WOFFORD.  
LUTHER A. McCORD.

Witnesses:

J. H. PHINNY,  
C. J. THOMPSON.