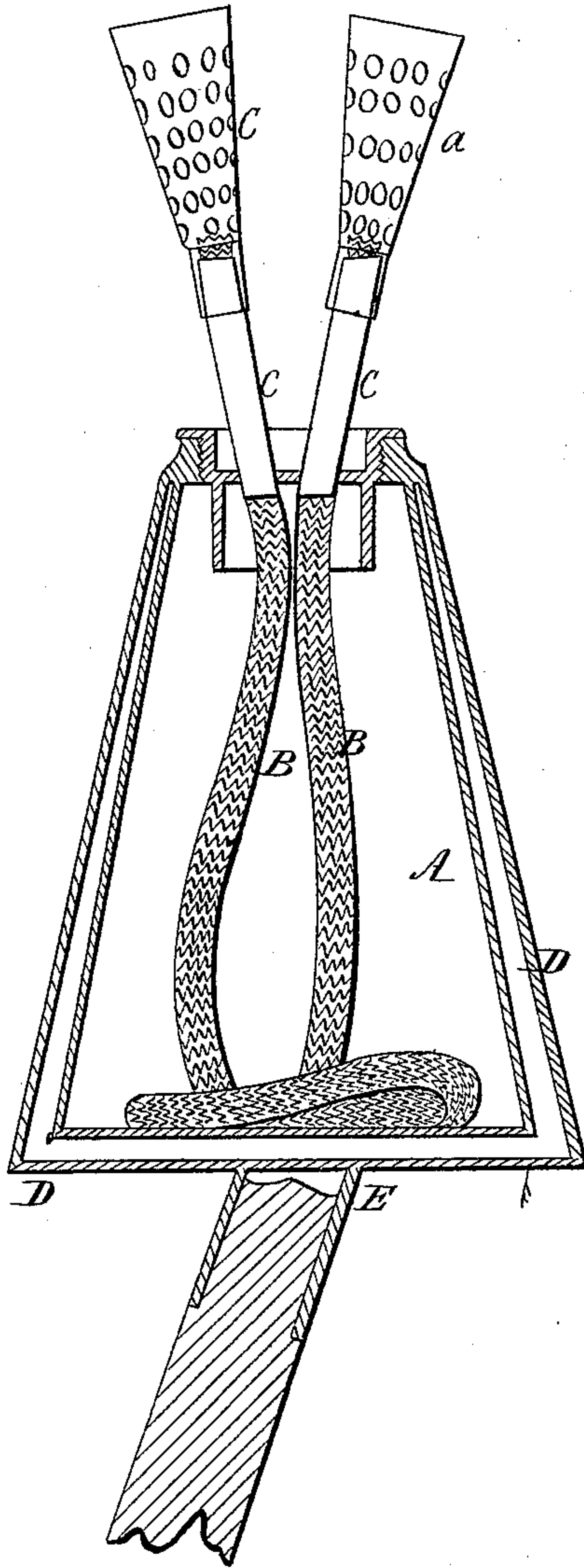


J. ZIMMERMAN.
Insect-Destroyer.

No. 67,244.

Patented July 30, 1867.



Witnesses:

Chas. A. Pettit
W. A. Ellsworth.

Inventor:

John Zimmerman.
Munn & Co.
Attorneys.

United States Patent Office.

JOHN ZIMMERMAN, OF ROYALTON CENTRE, NEW YORK.

Letters Patent No. 67,244, dated July 30, 1867.

IMPROVED LAMP FOR DESTROYING INSECTS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN ZIMMERMAN, of Royalton Centre, in the county of Niagara, and State of New York, have invented a new and improved Lamp for Destroying Insects; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, which are made part of this specification, and in which the figure represents a longitudinal vertical section.

This lamp is intended to have a peculiar liquid, the flame and smoke of which will destroy worms, caterpillars, and other insects, with their webs.

In the drawings, A represents the oil-chamber, B B the wicks, C the wick-tubes, the perforated flaring nozzles *c* of which serve to more effectually distribute the "smudge" among the foliage, and D, a non-conducting chamber around the oil-chamber. To the jacket D air is admitted at the bottom, so as to keep the heat from injuring the inner shell or wall of the oil-chamber. The device is mounted on the end of a pole which enters the socket E, and it is to be used among fruit or ornamental trees, bushes, and shrubs, to kill grubs, worms, and caterpillars, with their webs, and the millers and moths and other insects, so far as possible. The outer shell acts as a cooler and condenser to keep the inner shell from melting. The gas that may be generated in the interior passes out to the wicks, which are removable from the lamp by unscrewing the socket in which the wick-tubes are fastened.

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

The lamp, constructed as described, with a socket to secure it on the top of a pole, double walls with air-orifices, and whose wick-tubes are provided with perforated flaring nozzles, as described and represented.

To the above specification of my improvement I have signed my hand this twelfth day of March, 1867.

JOHN ZIMMERMAN.

Witnesses:

CHAS. A. PETTIT,

GEO. A. MORRISON.