G. T. WISNER.

POTATO-BUG POISON-SYRINGE.

No. 193,742. Patented July 31, 1877.

Fig. 1.

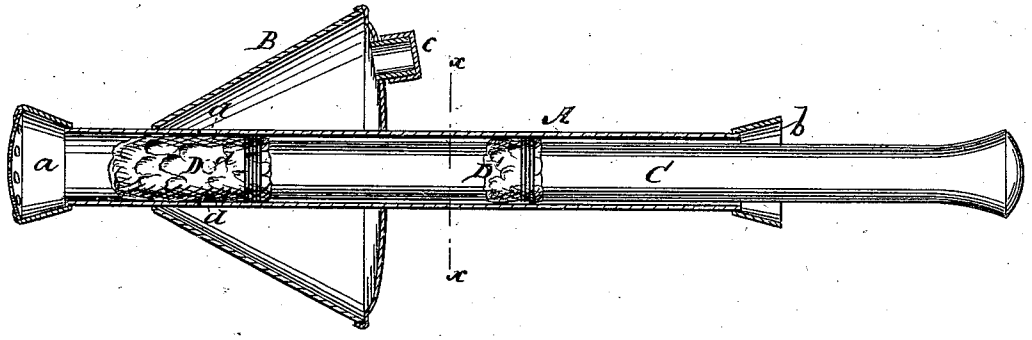
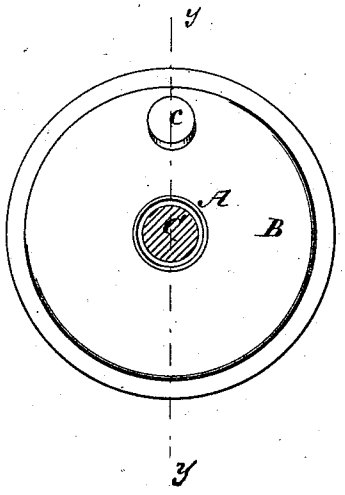


Fig. 2.



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UNITED STATES PATENT OFFICE.

GEORGE T. WISNER, OF FLORIDA, NEW YORK.

IMPROVEMENT IN POTATO-BUG-POISON SYRINGE.

Specification forming part of Letters Patent No. **193,742**, dated July 31, 1877; application filed June 18, 1877.

To all whom it may concern:

Be it known that I, GEORGE T. WISNER, of Florida, in the county of Orange and State of New York, have invented a new and Improved Potato-Bug-Poison Syringe, of which the following is a specification:

This invention relates to devices which are designed for ejecting a solution of Paris green, or any other proper poison on potato-vines which are infested with bugs; and the nature of my invention consists in a barrel which is provided with a rose-nozzle and a fluid-receptacle communicating with its interior, in combination with a piston-rod having two pistons applied to it, as will be hereinafter explained.

In the annexed drawings, Figure 1 is a diametrical section through the improved syringe. Fig. 2 is a cross-section through Fig. 1 at the dotted line *x x*.

Similar letters of reference indicate corresponding parts.

The letter A designates a barrel of any suitable diameter and length which barrel has a rose-nozzle, *a*, on one end and a funnel, *b*, formed on the opposite end.

B designates a conical vessel, through which the barrel A passes and which is secured to the barrel at both ends and provided with a feed-hole closed by a screw-cap, *c*. This vessel communicates with the interior of the barrel by means of perforations *d*.

Inside of the barrel A is a piston-rod, C, on which are two pistons, D D′. The piston or plunger D is preferably made of sponge, and the piston D′, which is also made of sponge, is designed to prevent any of the poisonous fluid from being forced back on the hands when the plunger is forced toward the nozzle *a*.

The vessel B, being charged with a mixture of Paris green and water, the plunger is drawn back, which allows the fluid to flow through holes *d*, into the lower portion of the barrel from which it can be ejected by pressing down the plunger. The fluid which is absorbed by the sponge plunger will be squeezed out of it again.

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

The barrel A perforated at *d* and at *a*, and provided with a piston-rod having two pistons, D D′, on it in combination with the vessel B, substantially in the manner and for the purpose set forth.

GEORGE T. WISNER.

Witnesses:

OSCAR ROSENCRANS,

ROBERT A. MILLER.