C. J. HAUCK.

Insect-Destroyer.

No. 133,444. Patented Nov. 26, 1872.

Fig. 1.

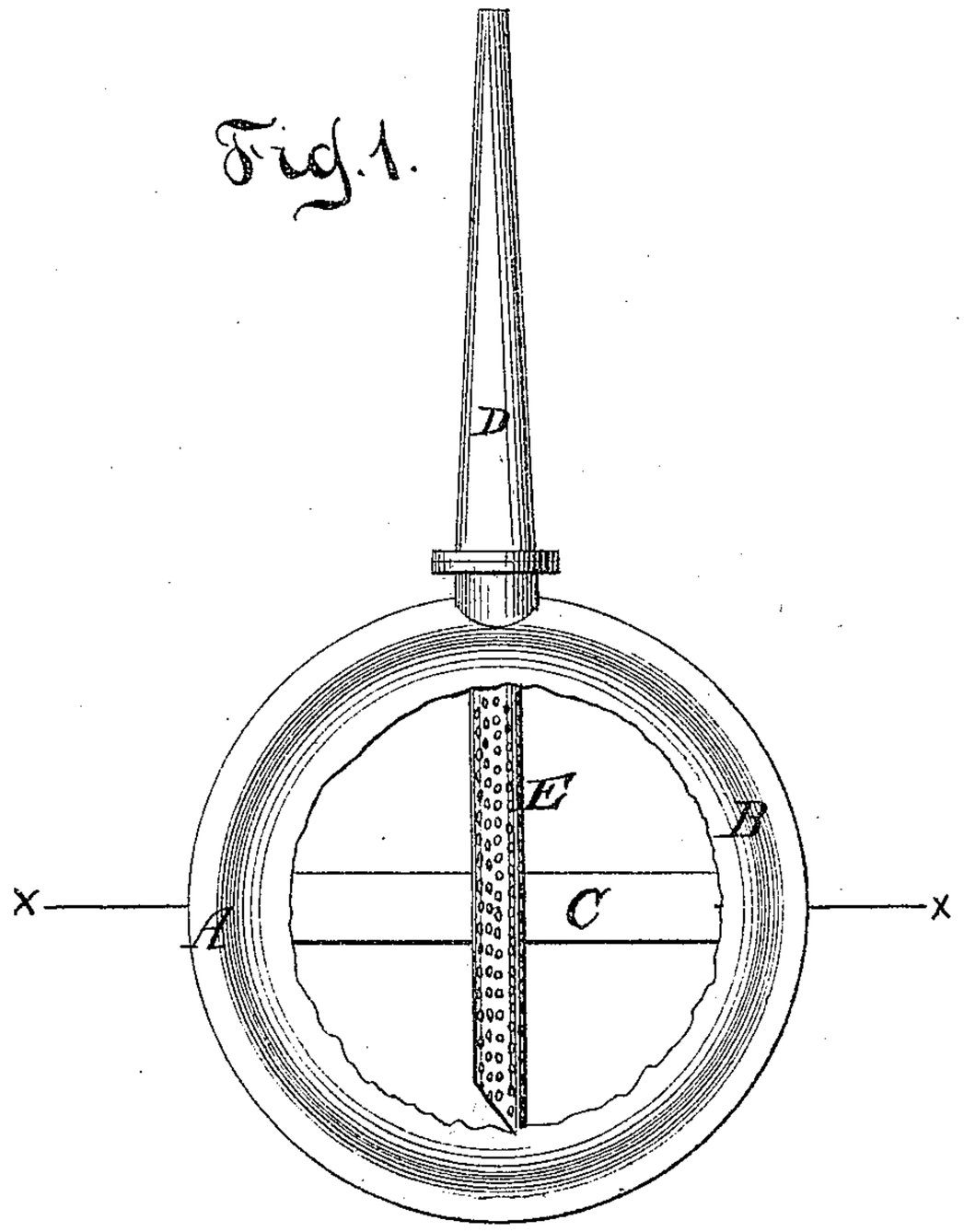
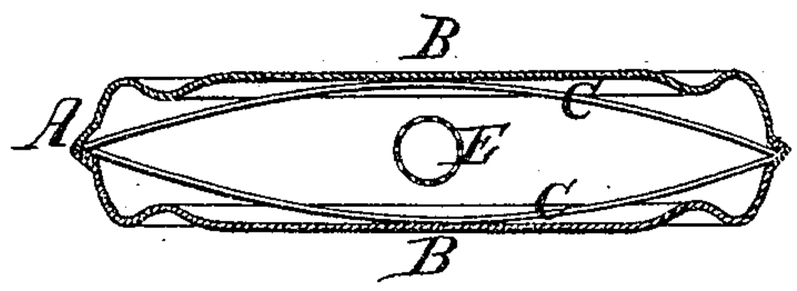


Fig. 2.



Witnesses.

C. Wahlers.

Ernst Bilhuber.

Inventor.

Charles J. Hauck

per

Van Santvoord & Hauff

Attys

UNITED STATES PATENT OFFICE.

CHARLES J. HAUCK, OF BROOKLYN, E. D., NEW YORK.

IMPROVEMENT IN INSECT-DESTROYERS.

Specification forming part of Letters Patent No. **133,444**, dated November 26, 1872.

To all whom it may concern:

Be it known that I, CHARLES J. HAUCK, of Brooklyn, E. D., in the county of Kings and State of New York, have invented a new and Improved Powder-Ejector; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a face view of my invention, partly in section; and Fig. 2 is a transverse section of the same in the plane *x x*, Fig. 1.

Similar letters indicate corresponding parts.

This invention consists in a metallic disk-shaped box, with elastic heads and with a tapering spout, the inner end of which connects with a tubular screen in such a manner that, by compressing the heads of the box, the pressure of the air contained therein is increased, and a portion of the powder which partially fills the box is ejected through the tapering spout in a jet of some force; and, at the same time, by the tubular screen, the powder is prevented from clogging up the spout of the box.

It should be noticed that the elastic heads B B are formed with the body of the box by being "spun" or "struck up" from sheet metal, and that, by the form given to the article, the same is rendered more durable and convenient for use or manipulation.

In the drawing, the letter A designates a disk-shaped box, made of sheet metal, and provided with two elastic heads, B B, which are supported by springs C C, of steel or other suitable material, so that they will invariably resume their original position, after having been compressed, as soon as the pressure relaxes. In the circumference of my box is a hole to receive a tapering spout, D, which is secured to the box by a screw-thread, or in any other suitable manner, so that it can be readily taken off for the purpose of charging the box, and reinserted after the box has been filled with powder. From the inner large end of the spout D extends a tubular screen, E, diametrically across the box. The object of this screen is to prevent the powder from crowding into the spout, and from clogging the same up, so that if the spout is turned down, and the elastic heads of the box are compressed, a jet of powder will be ejected from the spout without fail.

If the tubular screen is omitted, and the spout is turned downward, the powder crowds into the inner wide end of the spout, and the pressure of the air produced by the compression of the elastic heads is unable to eject the powder, and the spout becomes clogged. By applying the tubular screen I have successfully removed this difficulty; and by compressing the elastic heads of my box a jet of powder is ejected from the spout as long as the box is kept supplied with powder.

By making the box A disk-shaped I obtain two elastic heads, and by pressing these heads inward a powerful jet of powder is ejected from the box.

My injector is intended particularly for insect-powder; and by its aid the powder is driven into all the crevices or hiding places of insects; but it is obvious that my ejector can be used for any desirable powder.

What I claim as new, and desire to secure by Letters Patent, is—

The perforated tube E, in combination with the nozzle D and disk-shaped box A, substantially as and for the purpose set forth.

C. J. HAUCK.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.