

W. J. VAN PATTEN.
Insect-Powder Box.

No. 165,276.

Patented July 6, 1875.

Fig. 1

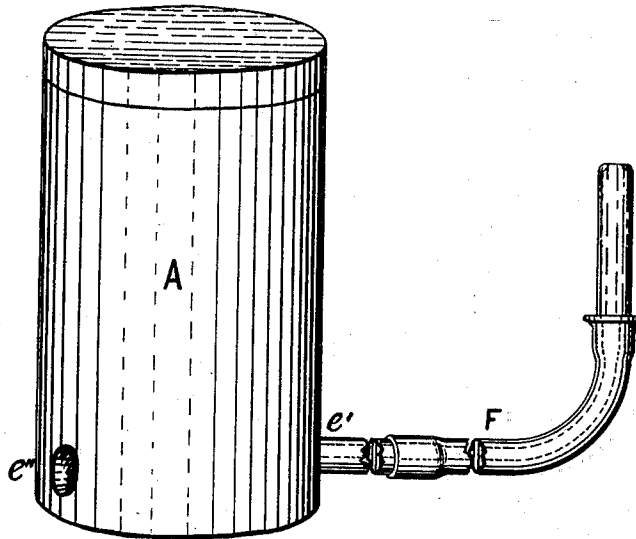
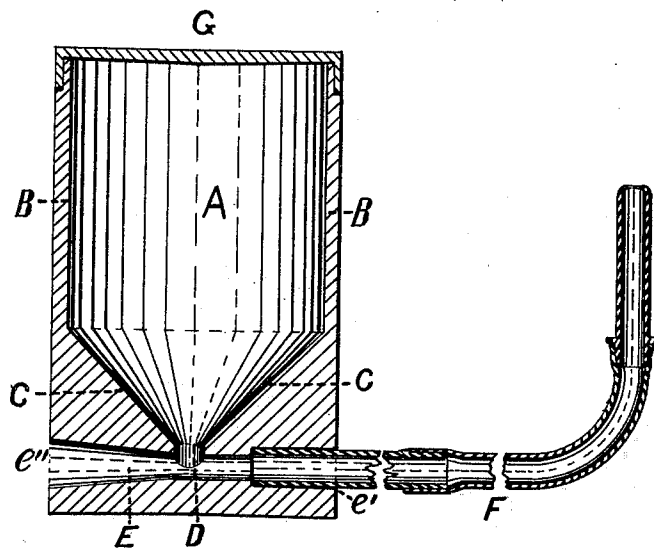


Fig. 2



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UNITED STATES PATENT OFFICE.

WILLIAM J. VAN PATTEN, OF BURLINGTON, VERMONT, ASSIGNOR TO WELLS,
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IMPROVEMENT IN INSECT-POWDER BOXES.

Specification forming part of Letters Patent No. **165,276**, dated July 6, 1875; application filed
March 17, 1875.

To all whom it may concern:

Be it known that I, WILLIAM J. VAN PATTEN, of the city of Burlington, county of Chittenden and State of Vermont, have invented an Improvement in Powder-Boxes, of which the following is a specification:

The object of my invention is to so construct a box—such boxes as are usually used for the putting up of insect and other like powders—that, without removing the cover of the box, the contents of the same may be thoroughly and economically distributed or diffused at will of the user, and with absolute safety and cleanliness.

In carrying out my invention I use any suitable wood, and, instead of cutting or turning out the inside in the usual form, I run the straight side B two-thirds only of the depth of the block A, from which point I make the bottom of the box in form of a flattened inverted cone, C, which concentrates the contents at point D, where the apex of the cone C is perforated, to allow the powder to pass through to an aperture, E, which latter passes through the box near the bottom and parallel to it. This aperture (E) is formed with a shoulder, *e'*, at one end, and with a funnel-shaped outlet, *e''*, at the other end—the former to form a stop for glass or other tube and bring the line of the interior of the same on line with the smaller size of aperture E, and latter to facilitate the radiation of the powder. I insert at the aperture E, at *e'*, a blow-tube, F, of any desirable and

suitable materials and form—the one shown in the drawings being composed of rubber and glass—leaving the same in position for use until the contents of the box are distributed, when the blow-tube may be transferred to a new box of powder.

In putting up the powders, the cover G is secured to the body of the box by a strong label or wrapper, and the outlets to the aperture E covered by said label or wrapper, and being marked and so placed on the box that the position of the aperture E at both sides can be determined without difficulty.

After the label or wrapper has been punctured, a small plug or cork is used to close the aperture E at *e''*, and, if desirable to take out the blow-tube F, a similar stopper is used in its place.

What I claim as my invention is—

1. A powder-box constructed in one piece, and having a cone-shaped bottom, C, a vertical aperture, D, connecting with a horizontal aperture, E, the latter being formed with shoulder *e'* at one end, and a funnel-shaped outlet, *e''*, at the other end.

2. A powder-box constructed as above described, and in combination with a mouth-piece or tube to force the contents through and out of the horizontal aperture E, as specified.

WILLIAM J. VAN PATTEN.

Witnesses:

EDWARD C. RYER,

ANDREW J. HOWARD.