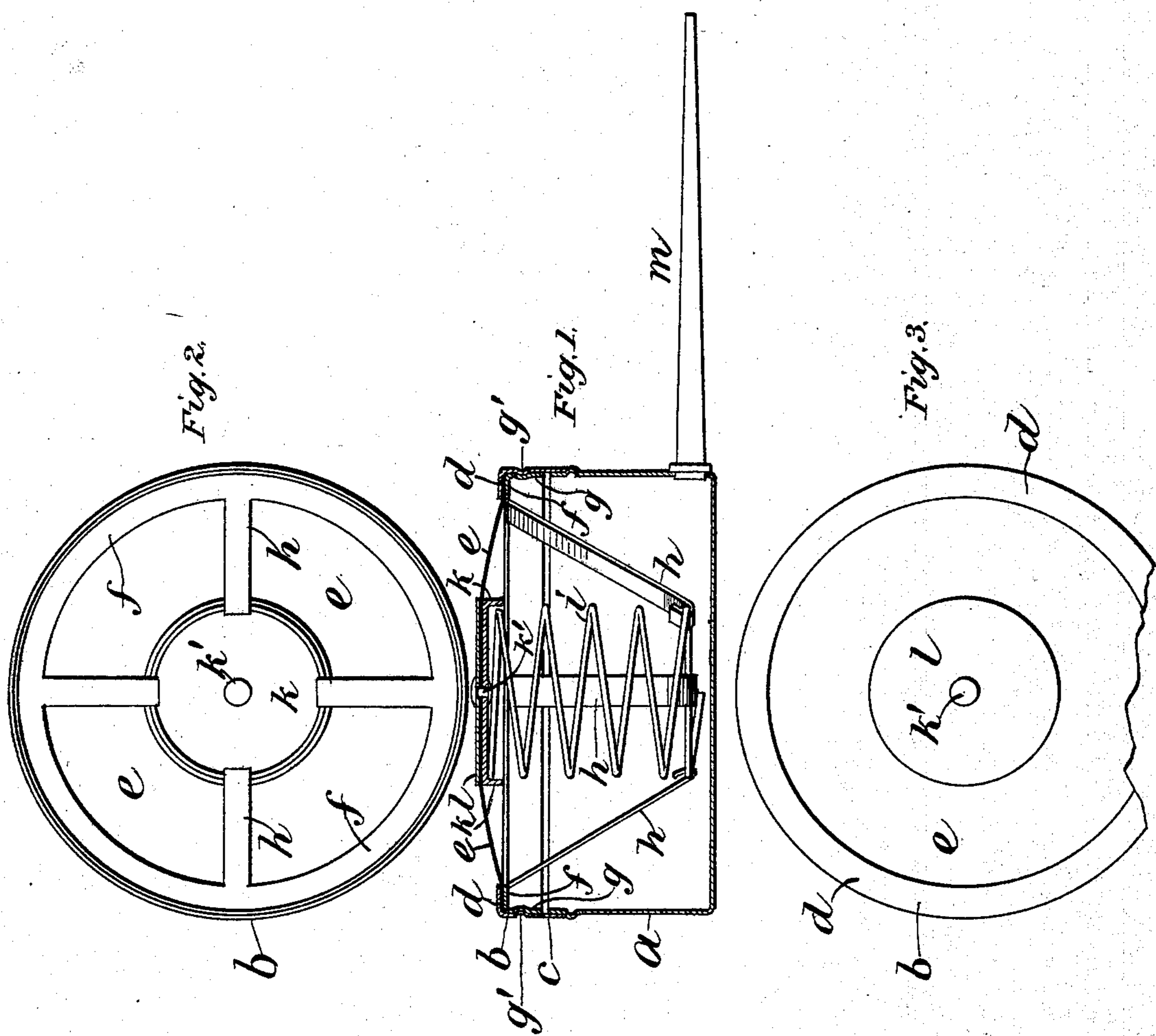


(No Model.)

E. W. MERSEREAU.  
INSECT POWDER BLOWER.

No. 388,702.

Patented Aug. 28, 1888.



Witnesses:

J. A. Hurdle  
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Inventor:

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By

James H. Lancaster,  
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# UNITED STATES PATENT OFFICE.

EDGAR W. MERSEREAU, OF BROOKLYN, NEW YORK.

## INSECT-POWDER BLOWER.

SPECIFICATION forming part of Letters Patent No. 388,702, dated August 28, 1888.

Application filed February 11, 1888. Serial No. 263,735. (No model.)

*To all whom it may concern:*

Be it known that I, EDGAR W. MERSEREAU, a citizen of the United States of America, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Insect-Powder Blowers, of which the following is a full, clear, and exact specification.

My invention relates to an improved insect-powder box and bellows, of which a full and clear description will be given hereinafter.

My invention consists of connecting the bellows and its operative mechanism with the cover of the box, whereby the openings either in the top or bottom of the boxes heretofore made may be dispensed with, so that the interior of the box may be more conveniently filled.

In the drawings, Figure 1 represents a vertical section of the device, in which is fully shown the main features of my invention. Fig. 2 is an inverted plan of the lid or cover of the box detached. Fig. 3 is a plan view of the lid.

Similar letters refer to similar parts throughout the drawings, in which—

*a* represents the main body of the box, the lid or cover *b* of which is composed of the exterior vertical portion *c*, provided with the exterior horizontal annular web *d*, against the under side of which is held the leather, rubber, or textile fabric *e*, by means of the interior web, *f*, forming a part of the interior vertical portion, *g*, held in position either by solder or by indentations *g'* made in both the vertical portions *c* and *g*. The web *f* is provided with two or more depending arms, *h*, the lower ends of which are connected with the depending spring *i*, the upper portion of which rests within the cup *k*, the latter of which is held in position by means of a rivet, *k'*, which also holds the depressing-plate *l* located on the exterior of the bellows portion of the device. The lower end or bottom of the spring *i* rests in the arms a short distance above the bottom of the box.

The main body of the box is provided with the nozzle *m*, through which the powder is forced by the bellows of the device.

Heretofore insect-powder boxes and bellows were made so as not to be taken apart, and were provided with an opening either in the top or bottom of the box. This construction I found to be very inconvenient when filling the box with the powder, because the stopper must first be removed and then a funnel inserted and the powder poured into the same. It will be obvious that much waste is caused by this construction, as there is no possible way to ascertain when the box shall have sufficient quantity only by the hopper of the funnel, which, when removed, causes a portion of the powder to be wasted; but in my invention the lid and the operative mechanism for the bellows are removed and the powder poured in and then the lid is replaced. Thus it will be seen that my invention fully obviates the objections pointed out in other devices used for the same purpose.

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

The combination consisting of the main body of the box, the lid or cover composed of the exterior vertical and annular portion provided with the exterior horizontal and annular web, the leather, rubber, or textile fabric of the bellows held between the said web and the interior web forming a part of the interior vertical portion, the latter held in position by means of solder or indentation made in both the vertical and interior vertical portions aforesaid, two or more depending arms extending from the interior web, said arms adapted to support the lower portion of the depending spring, the upper end of the latter resting within the cup held against and to the bellows by means of the rivet, and the depressing-plate secured to the exterior of the device, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of January, 1888.

EDGAR W. MERSEREAU.

Witnesses:

C. E. FOULDS,  
J. S. HURDLE.