

(No Model.)

A. R. FERGUSON.
BOX OR CAN.

No. 604,112.

Patented May 17, 1898.

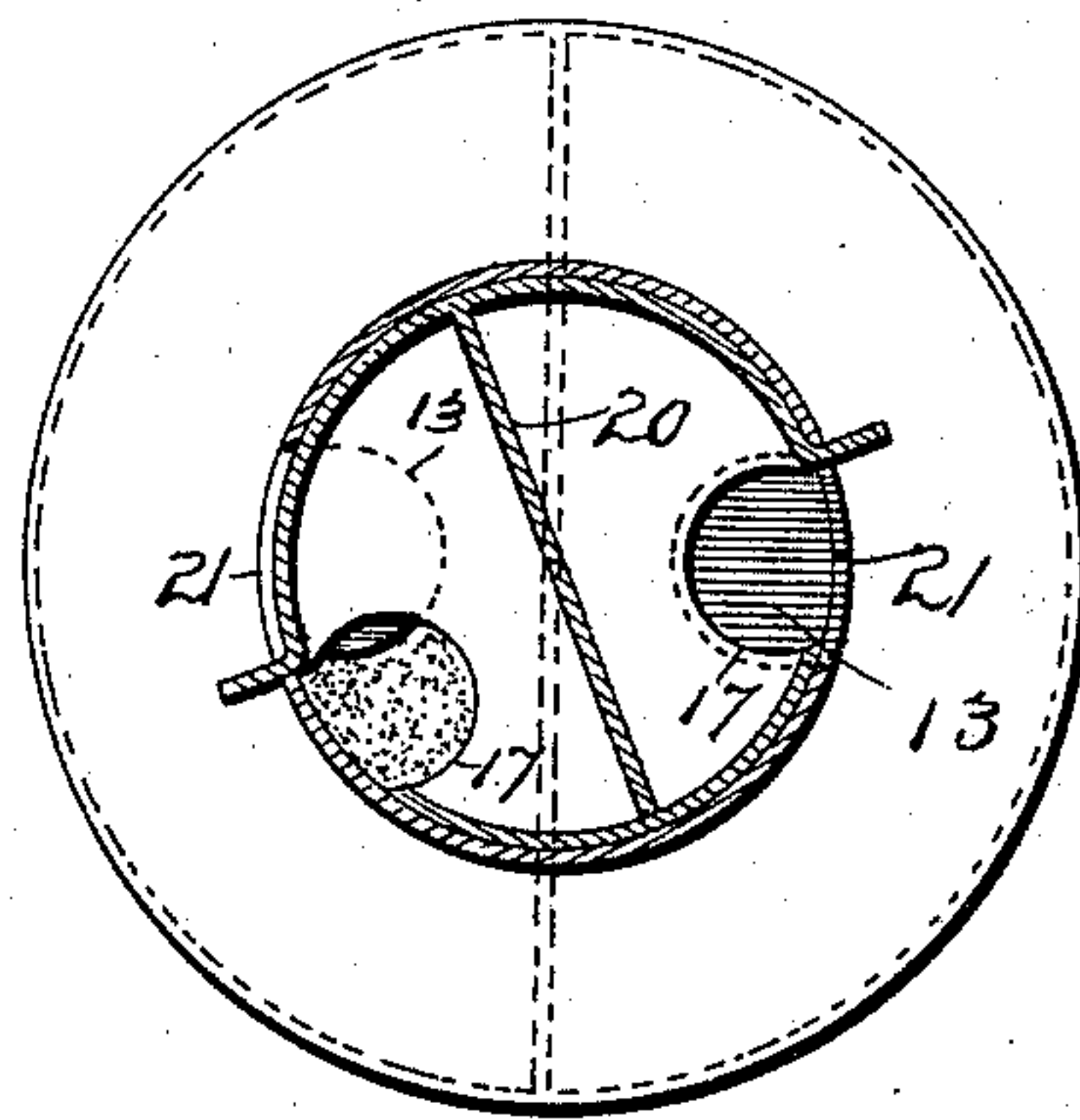
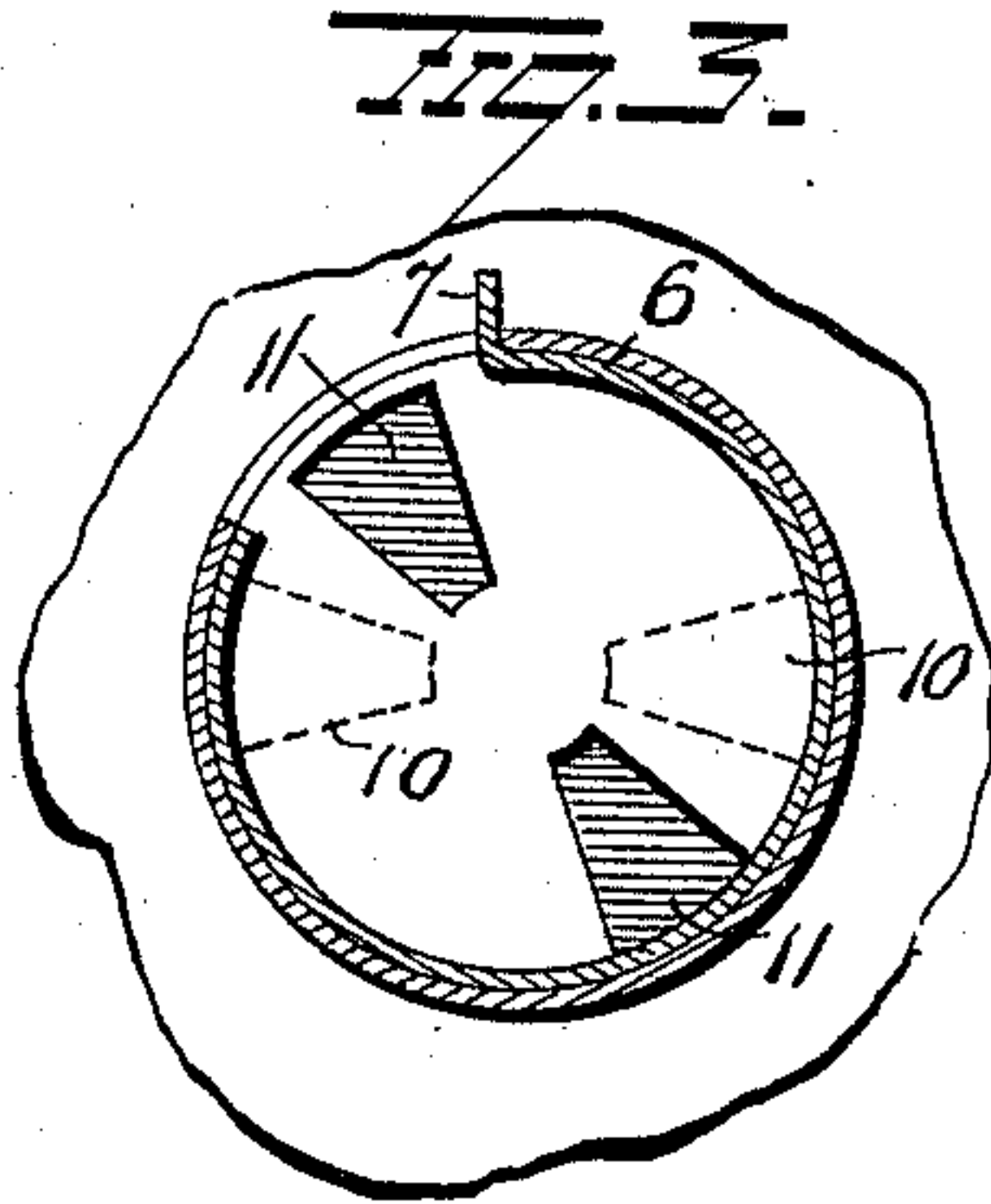
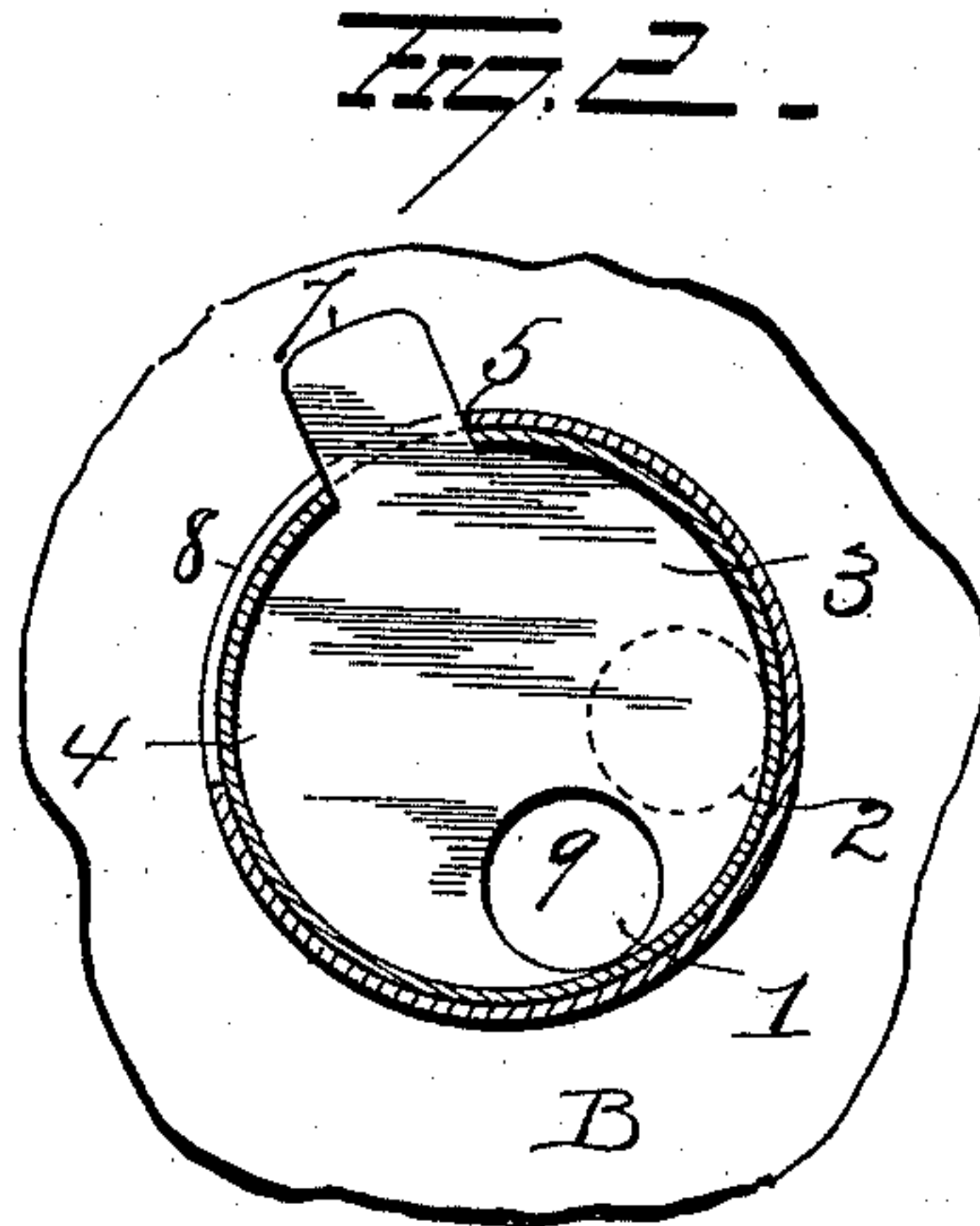
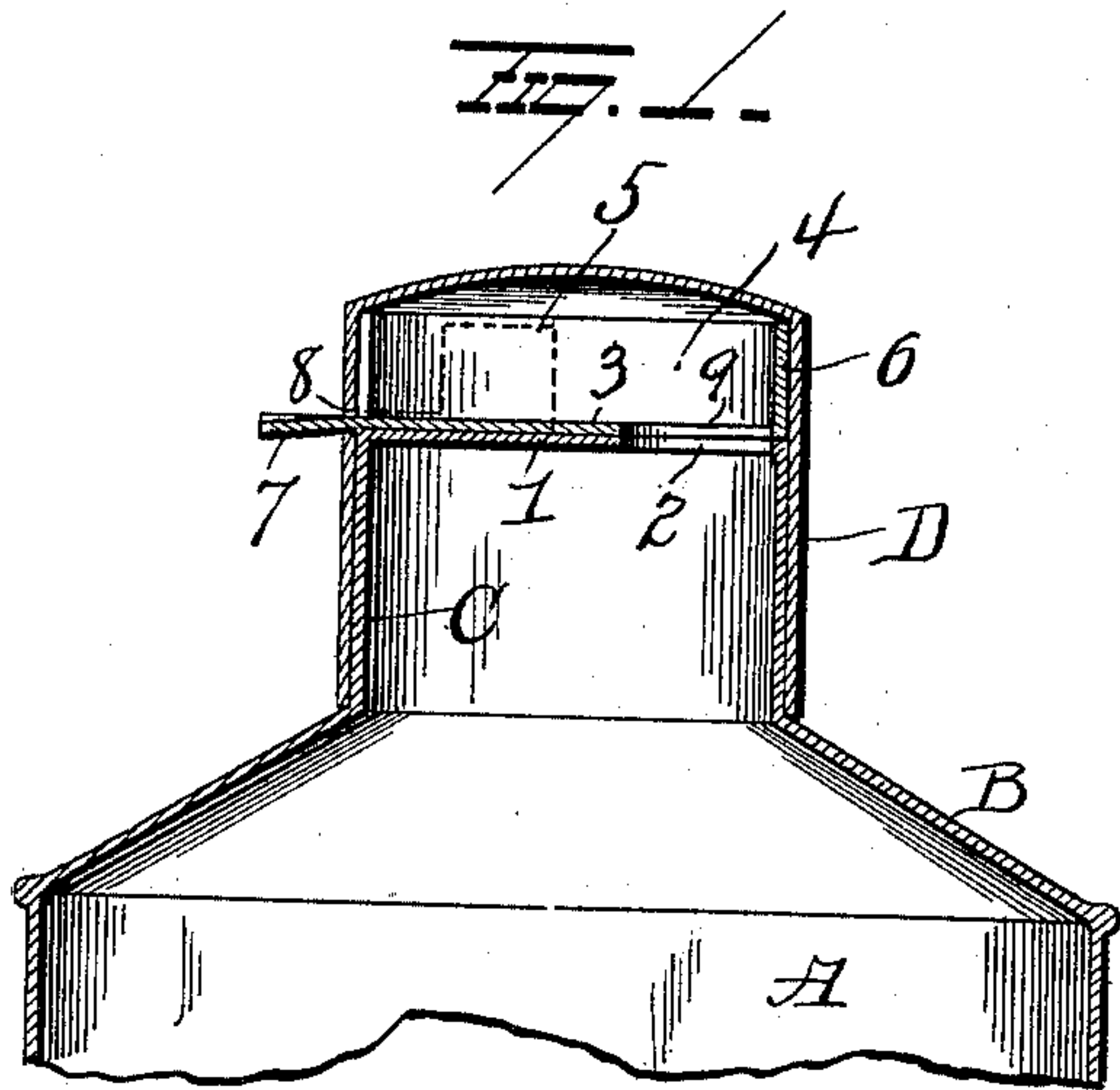


FIG. 4.

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UNITED STATES PATENT OFFICE.

ALAN ROBB FERGUSON, OF BALTIMORE, MARYLAND, ASSIGNOR TO HENRY F. MILLER AND GEORGE MILLER, OF SAME PLACE.

BOX OR CAN.

SPECIFICATION forming part of Letters Patent No. 604,112, dated May 17, 1898.

Application filed October 9, 1897. Serial No. 654,654. (No model.)

To all whom it may concern:

Be it known that I, ALAN ROBB FERGUSON, of Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Boxes or Cans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in boxes or cans for containing material to be dispensed, the object of the invention being to provide simple and efficient means whereby material can be readily discharged from the device in measured quantities and so that the device can be maintained normally tightly closed.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view of a box, can, or receptacle, showing my improvements. Fig. 2 is a sectional view. Fig. 3 is a view of a modification, and Fig. 4 is a view showing the application of my invention to a compartment box or receptacle.

A represents a box, can, or receptacle, B the fixed top thereof, and C a neck on said top. The upper end of the neck is closed by a fixed disk 1, having a perforation 2, preferably at or near its periphery.

A cap D is made to fit over the neck C and is secured thereto in any suitable manner. The cap D is provided internally with a movable disk 3, the space between which and the top of the cap forms a measuring-chamber 4. The cap is provided with an outlet-opening 5, and the movable disk is provided with a flange 6 to normally close said opening. The disk is also made with a hole 9 to be made to aline with the hole in the fixed disk 1. A lip 7 projects from the disk 3 and is adapted to move in a slot 8 in the peripheral wall of the cap.

From the construction and arrangements of parts above described it will be seen that when the outlet-opening in the cap is closed the holes in the disks 1 and 3 will be in alinement with each other, so that material may

pass from the body of the receptacle into the measuring-chamber. By means of the lip 7 the operator can now move the disk 3, so as to open the outlet of the cap and close communication between the body of the receptacle and the measuring-chamber. The lip 7 can be utilized as a sort of spout to direct the discharge of the material.

My improvements are also adaptable for use with compartment boxes or receptacles. In such case the fixed disk 1 and also the movable disk 3 will be provided with a number of holes corresponding to the number of compartments in the box or receptacle. The portion of the cap in which the measuring-chamber is formed is also provided with a partition 20, whereby to divide said chamber into as many compartments as there are compartments in the box or receptacle. The cap may be provided with an outlet 21 for each compartment, or, if desired, a common outlet may be provided for the two or more compartments.

In the form of the invention shown in Fig. 3 the fixed disk 1 is made with two angular (more or less) holes 10 10, and the disk 3 is also made with two (more or less) similarly-shaped holes 11. In this form of the invention the lip 7 is made by bending out a portion of the flange 6 of the disk 3, and the device is operated in the same manner as above described.

My improvements are simple in construction, cheap to manufacture, and effectual in all respects in the performance of their functions.

Slight changes other than those above specified might be resorted to without departing from the spirit of my invention or limiting its scope, and hence I do not wish to limit myself to the precise details herein set forth.

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

The combination with a receptacle having a neck at one end and a fixed perforated disk at the end of said neck, of a fixed cap on said neck having an outlet-opening and a slot communicating with said opening, a disk within the cap and adapted to form a measuring-chamber with which said outlet-opening in

the cap is adapted to communicate, said disk
having a hole to aline with the hole in the
fixed disk, a flange on said disk to close the
outlet-opening of the cap and a lip on said
5 disk projecting through said slot in the cap
and serving as a handle and a spout, sub-
stantially as set forth.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

ALAN ROBB FERGUSON.

Witnesses:

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CHAS. S. W. BOULDIN.