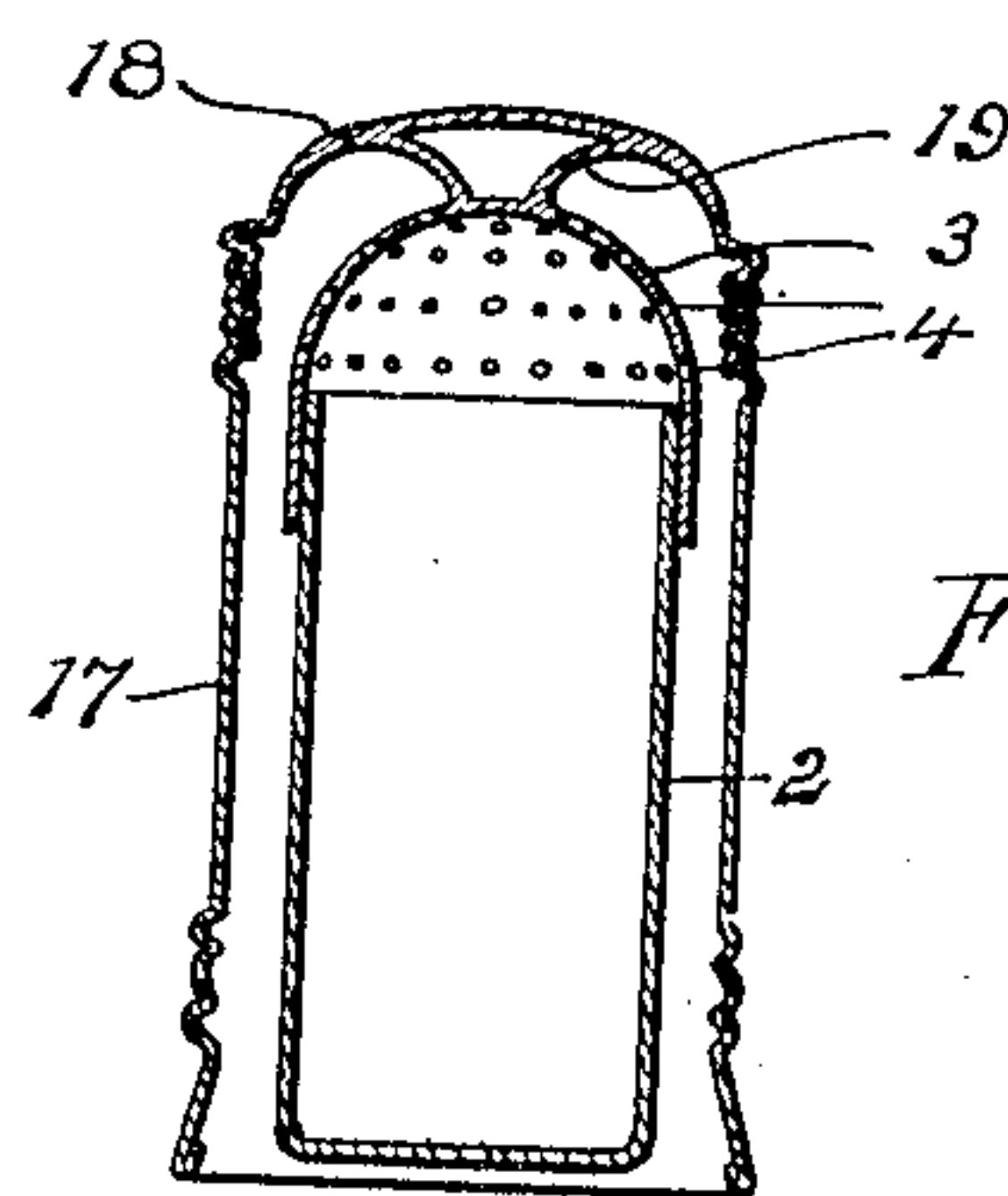
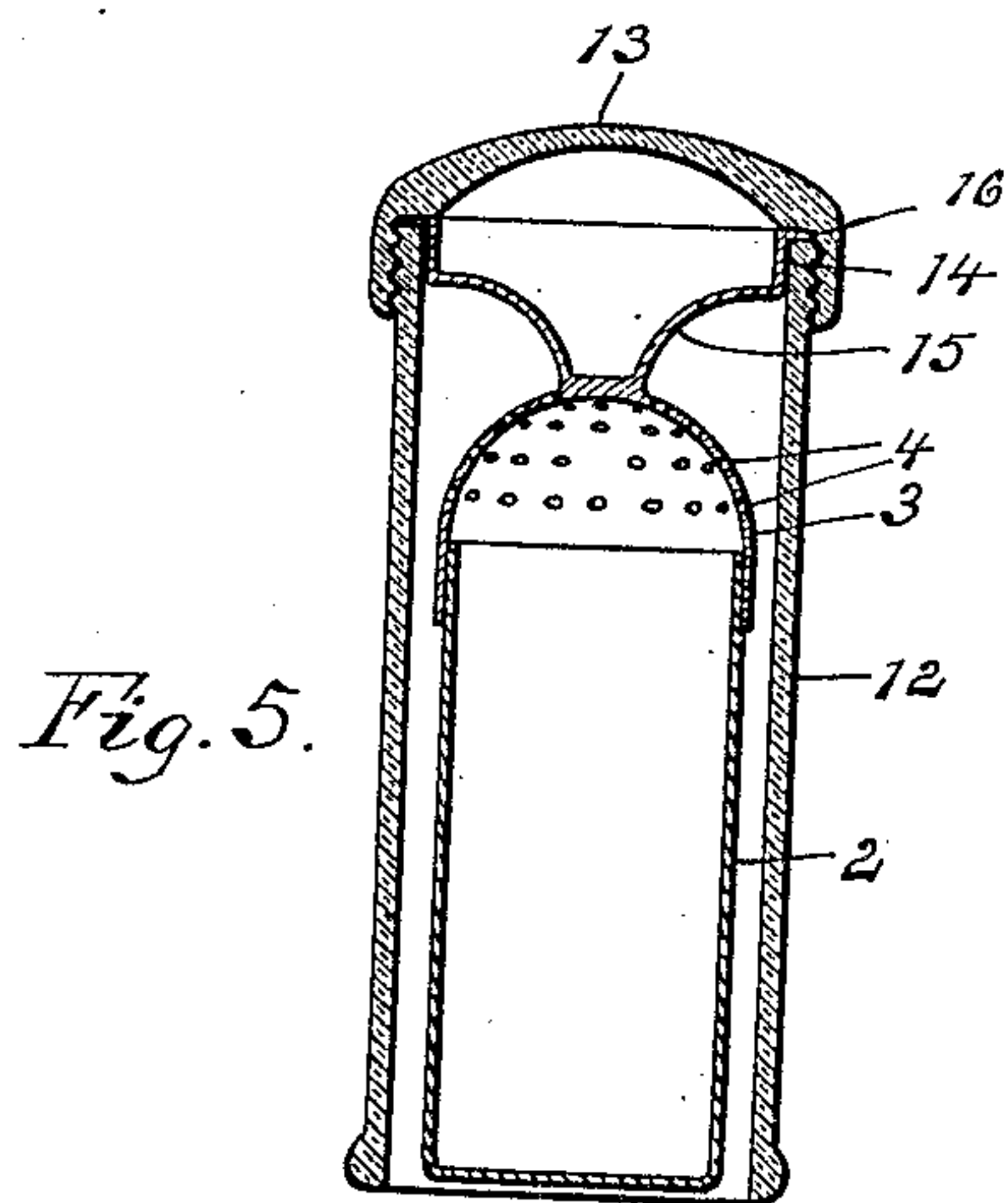
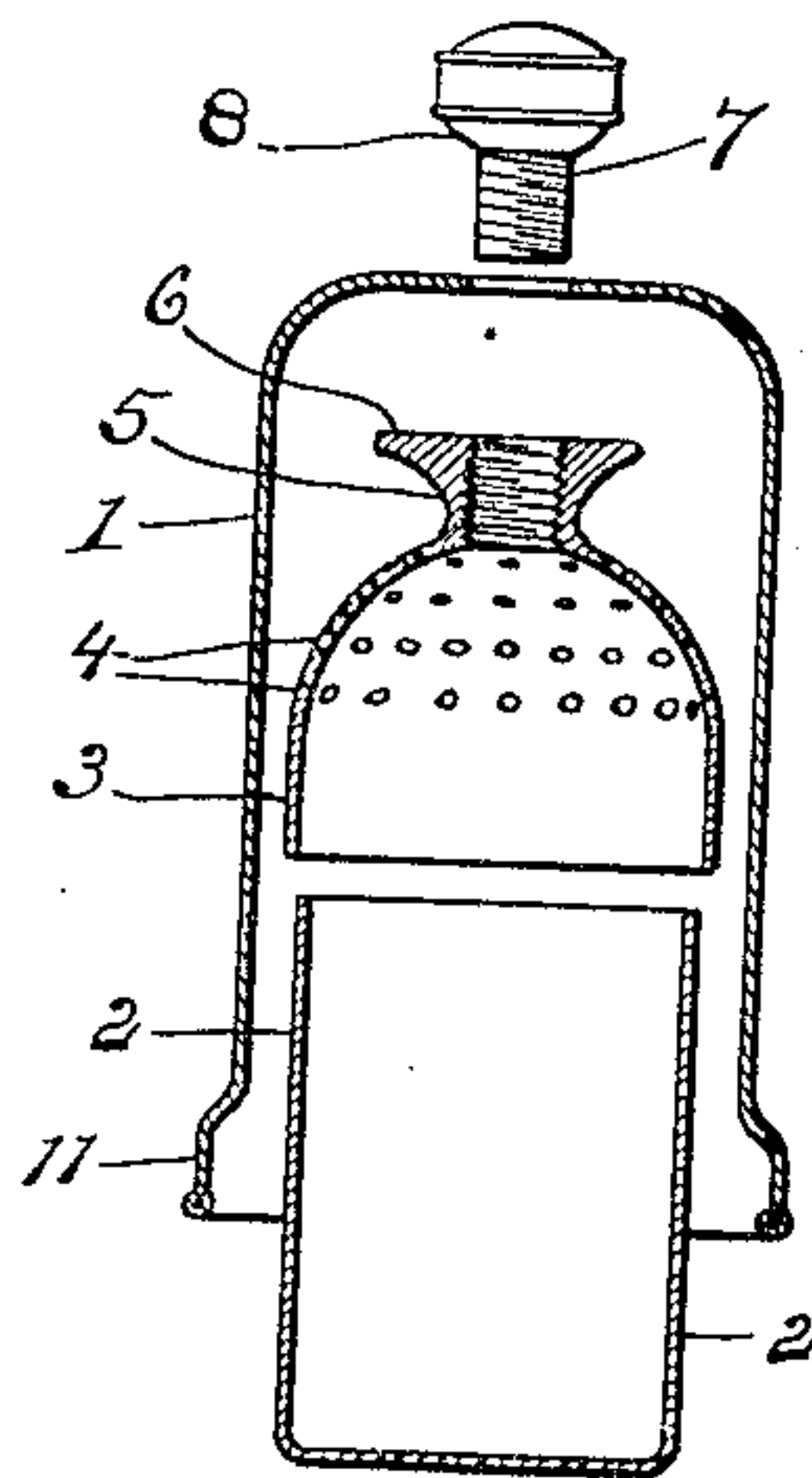
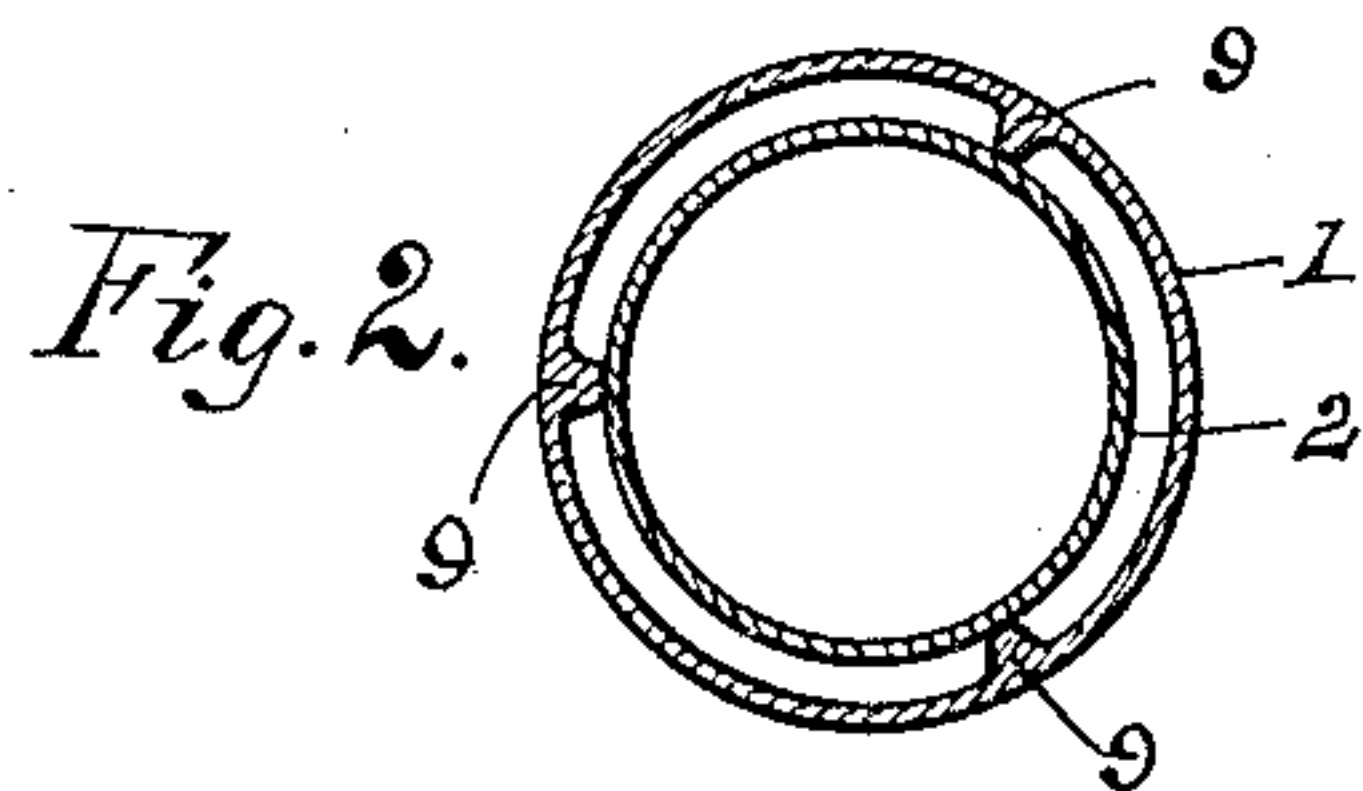
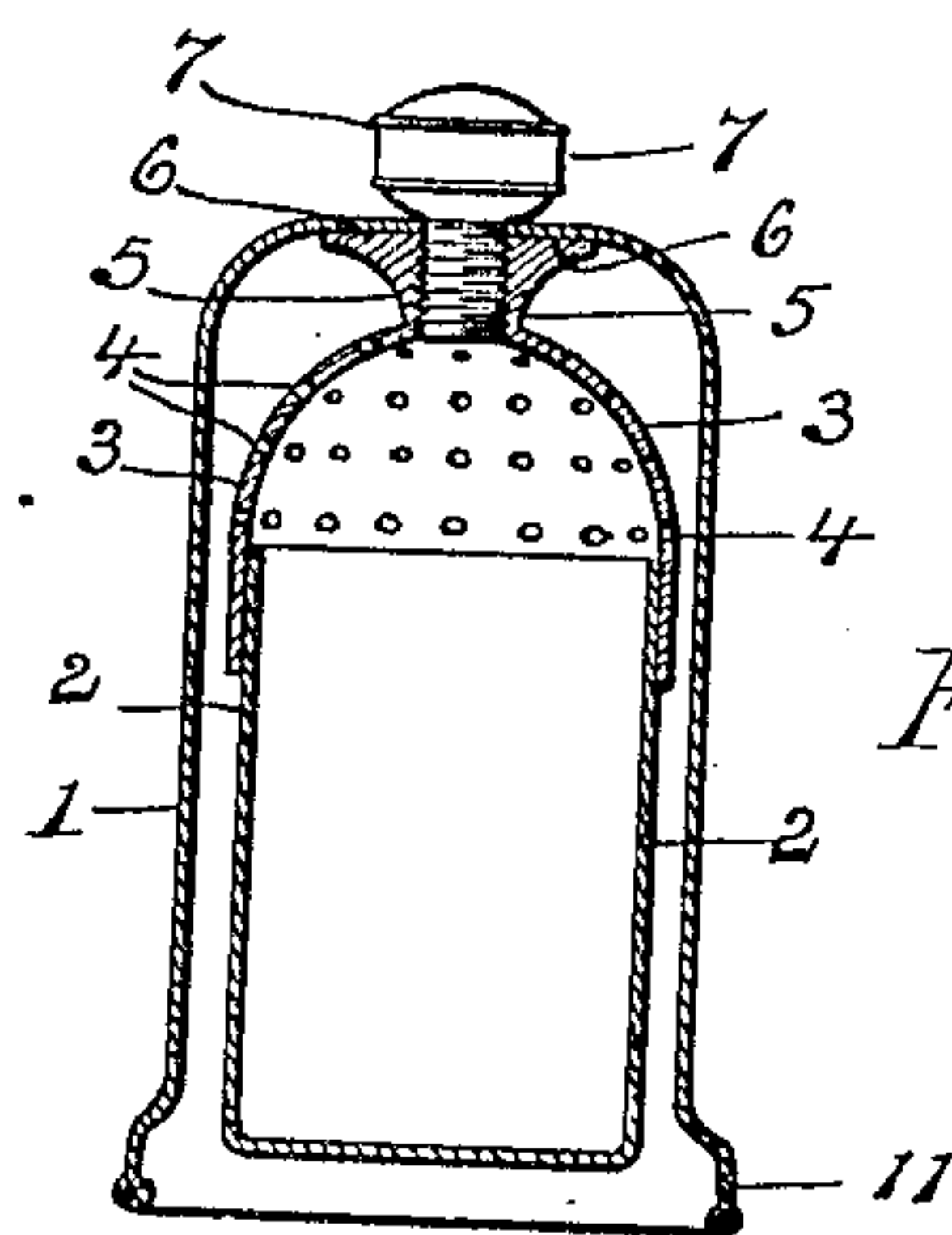
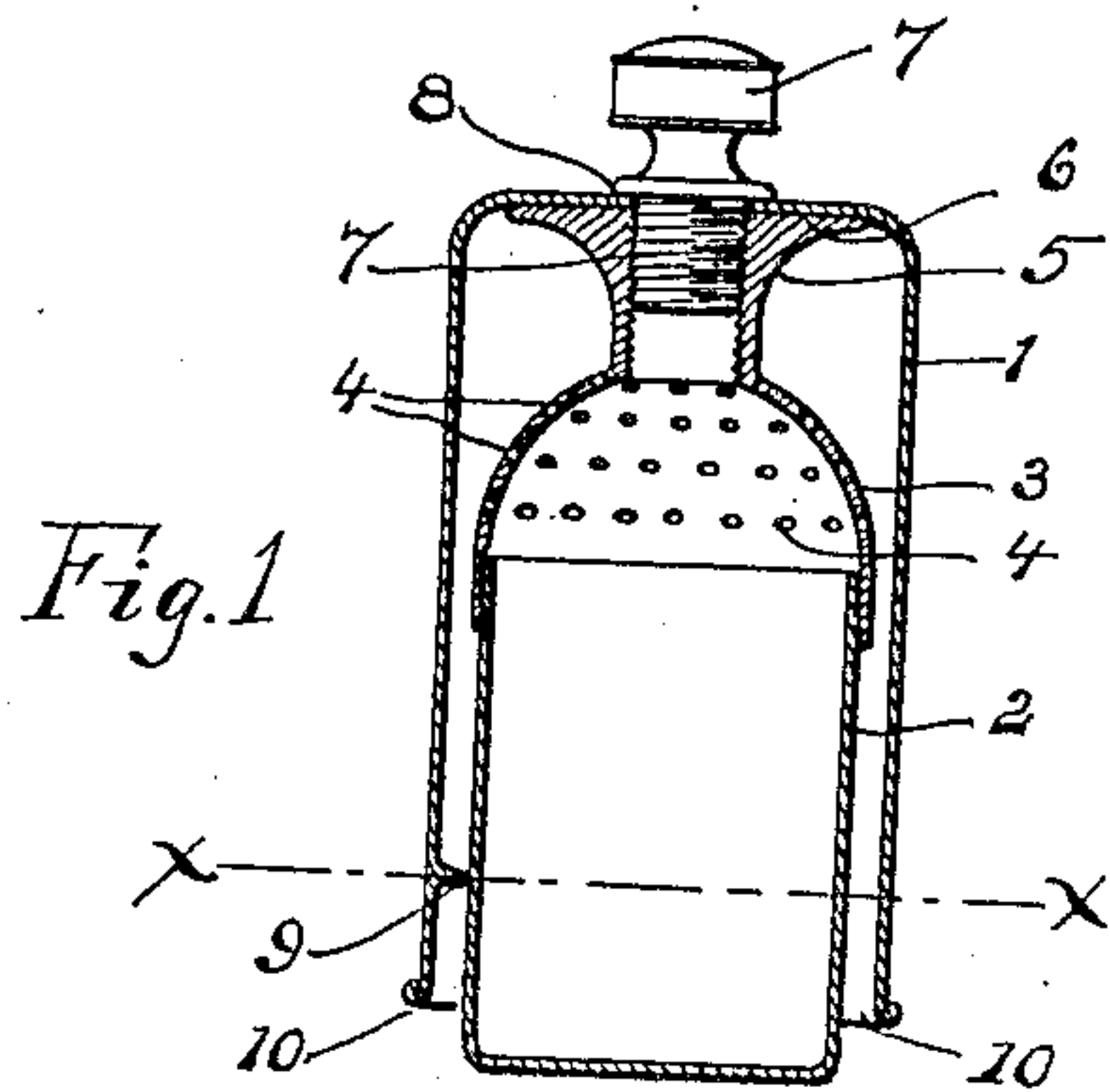


913,027.

J. W. MEAKER.
SALT SHAKER.
APPLICATION FILED APR. 6, 1907.

Patented Feb. 23, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN W. MEAKER, OF DETROIT, MICHIGAN.

SALT-SHAKER.

No. 913,027.

Specification of Letters Patent.

Patented Feb. 23, 1909.

Application filed April 6, 1907. Serial No. 366,649.

To all whom it may concern:

Be it known that I, JOHN W. MEAKER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Salt-Shakers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to improvements in salt shakers and the object of the invention is to provide a device for holding and discharging salt or other seasoning in small quantities and in such a manner that the user has complete control over the flow, and further to provide a very cheap, convenient and compact construction in which the seasoning is effectually protected against contamination from dust, odors, or moisture in the atmosphere and thus kept clean and dry.

20 It is also an object of the invention to provide a construction especially adapted to be formed of metal and which may easily be taken apart for cleaning, and further to provide certain other new and useful features in the construction and arrangement of parts, all as hereinafter more fully described, reference being had to the accompanying drawings, in which;

30 Figure 1, is a transverse vertical section of a device embodying the invention; Fig. 2, a section of the same on the line $x-x$; Fig. 3, a view similar to Fig. 1, showing a modified construction; Fig. 4, a sectional view of the parts of Fig. 3 separated; Fig. 5, a transverse vertical section of another modified construction; Fig. 6, is a similar view of a further modification.

40 As shown in Figs. 1 and 2, 1 is an inclosing casing closed at its top and sides and open at the lower end, and 2 is a cylindrical receptacle screw-threaded at its upper end to engage a dome-shaped cap 3 which is provided with several rows of perforations 4 and has formed integral with it at its axis, an upwardly and inwardly extending neck portion 5 having a flat head or flanged upper end 6 to seat upon the inner surface of the upper end of the casing. The neck has a screw-threaded axial bore and opposite this bore in the axis of the casing is an opening through which a screw-plug or stopper 7 is inserted and screwed into the bore. A flange or shoulder 8 on the plug engages the outer surface of the casing to clamp the

same between it and the neck portion to firmly hold the cap and attached receptacle in place, lugs 9 extending inwardly from the casing being provided to assist in centering the receptacle and to guide the same in inserting it in the casing. The receptacle when in place extends downward below the lower edge of the casing and forms the bottom or base upon which the device is supported, a discharge opening 10 being left between the casing and receptacle for the escape of the salt or other material which is discharged through the perforations of the cap when the device is shaken. The receptacle is filled by unscrewing it from the cap and the device may be easily taken apart for cleaning by taking out the screw-plug which holds the cap in place.

75 The construction shown in Figs. 3 and 4, is the same as that shown in Fig. 1 with the exception that the casing is extended below the receptacle and broadened out to form a base 11 upon which the device stands and the receptacle is held in engagement with the cap by frictional contact therewith instead of a screw-threaded engagement.

80 Fig. 5 shows a construction in which the outer casing 12 is formed of glass and open at both ends, the upper end being closed by a glass screw-cap or cover 13. These parts may if desired be made of metal. The dome-cap for the salt receptacle is formed with a head portion 14 of a diameter to fit within the casing connected to the cap by a neck portion 15 forming a deflecting surface. On the upper edge of the head is an outwardly extending flange 16 adapted to be clamped between the upper end of the casing and its screw-cap to hold the receptacle in place. The receptacle is held frictionally by the dome-cap with its lower end above the plane of the bottom of the casing so that the casing rests upon the table when the shaker is not in use.

100 Fig. 6 shows a shaker formed of sheet metal with an outer casing 17 open at both ends, the upper end being screw-threaded and closed by a tight cover 18 to which the curved neck portion 19 of the dome-cap of the salt receptacle is soldered or otherwise permanently secured in position to hold the receptacle centered in the casing.

105 Having thus fully described my invention what I claim is:—

1. The combination of a casing, a recep- 110

tacle in the casing, and a cap for the receptacle attached to the inner side of the closed upper end of the casing.

2. The combination of a casing, a receptacle in the casing, a dome-shaped perforated cap for the receptacle within the casing, and means for detachably securing the said cap to the upper end of the casing.

3. The combination of a casing closed at its upper end, a receptacle in the casing, a dome-shaped perforated cap for the receptacle, a neck portion attached to the cap at its axis and having an upwardly and outwardly curved deflecting surface opposite the perforations in the cap, and means engaging the neck portion to secure the cap to the casing.

4. The combination of a casing closed at its upper end and open at its lower end, a perforated cap suspended within the casing from the closed upper end thereof at its axis, and a receptacle detachably engaging said cap.

5. The combination of a casing having an axial opening in its upper end and open at its lower end, a perforated cap having a neck portion to engage the inner side of the end of the casing and having a screw-threaded axial opening, a screw-plug engaging said opening and having a projecting flange to engage the outer surface of the casing, and a receptacle engaging the cap.

6. The combination of a receptacle having discharge openings near its upper end, and a casing having a closed upper end attached to the receptacle with a space between its side wall and the side of the receptacle and with its lower open end at a distance above the horizontal plane of the lower end of the receptacle.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN W. MEAKER.

Witnesses:

MARY A. MEAKER,
OTTO F. BARTHEL.