

W. E. SNEDIKER.

SALT CELLAR.

APPLICATION FILED DEC. 18, 1907.

Patented Apr. 27, 1909.

2 SHEETS—SHEET 1.

919,483.

Fig- 1-

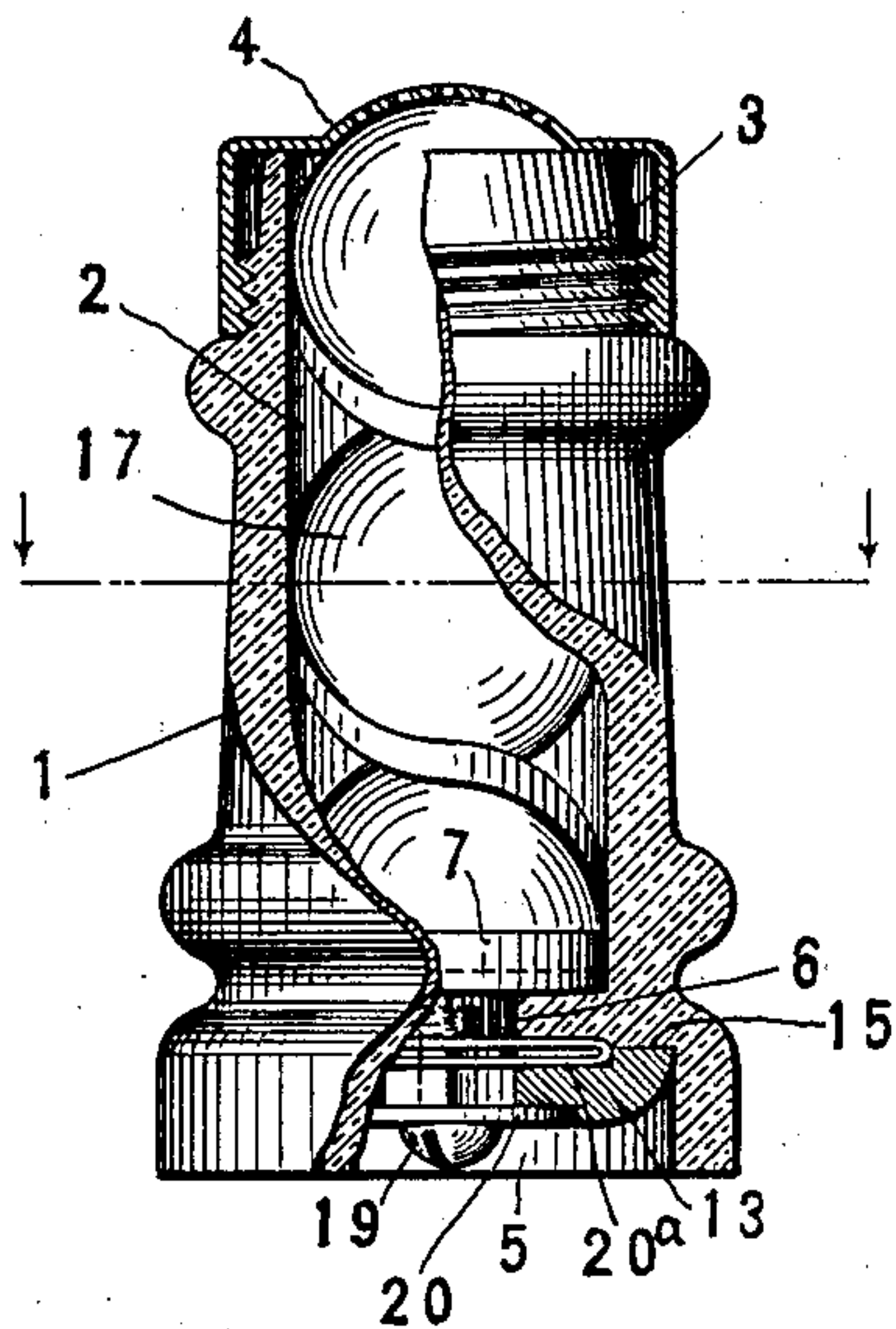


Fig- 2-

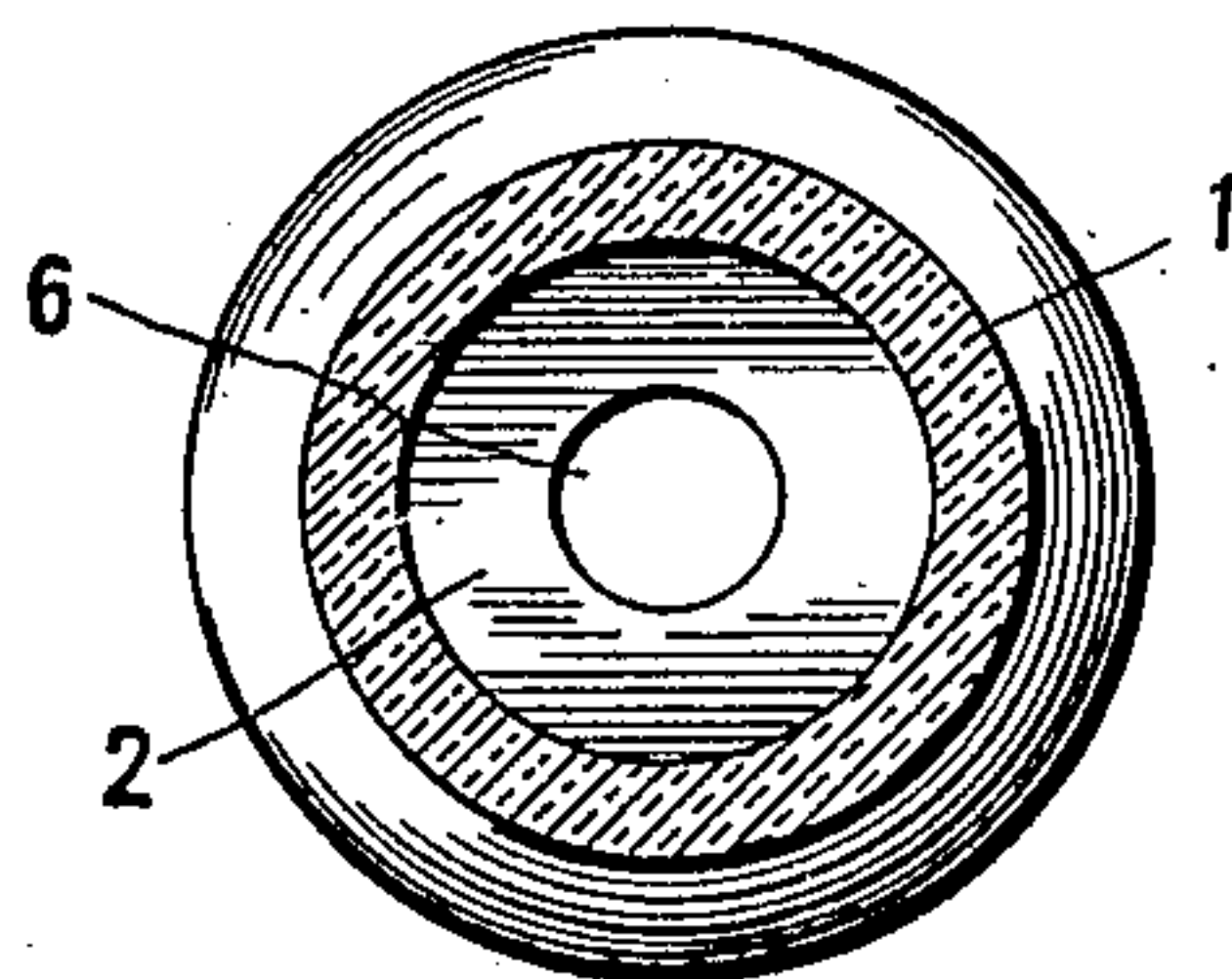


Fig- 4-

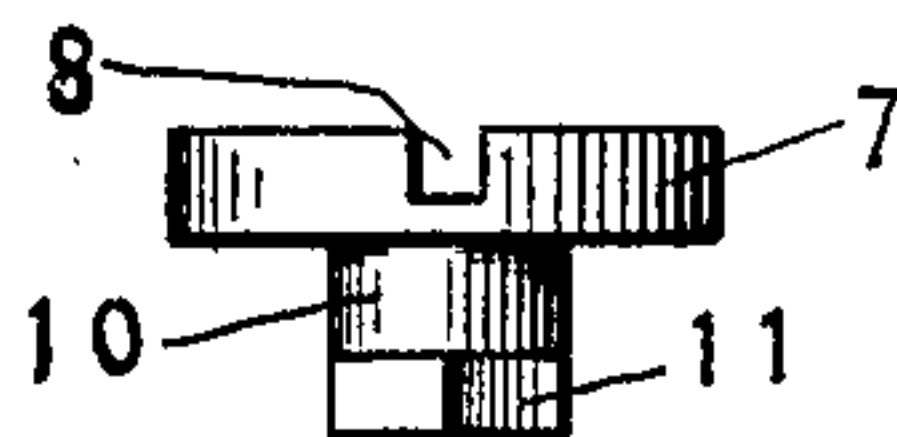


Fig- 5-

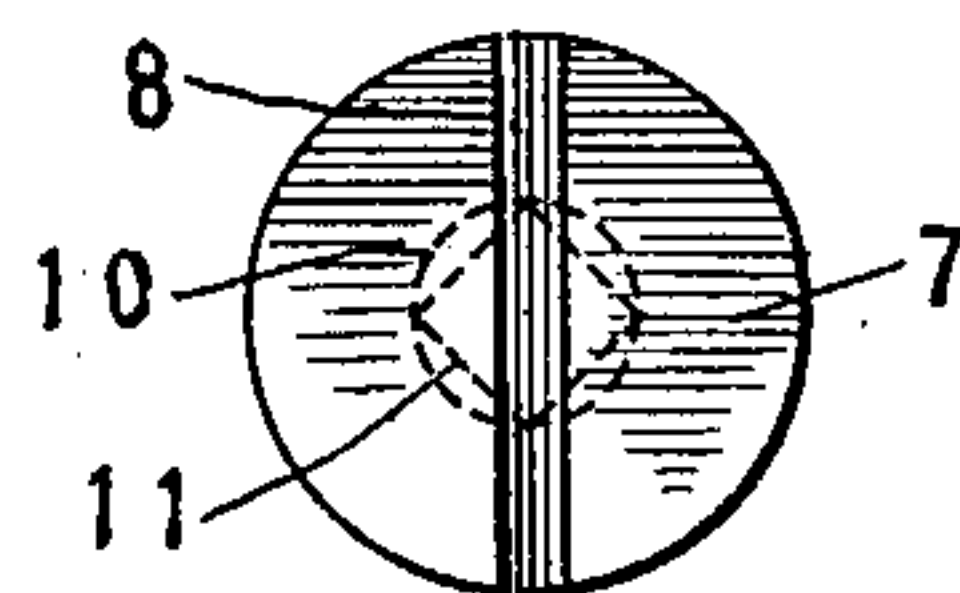


Fig- 3-

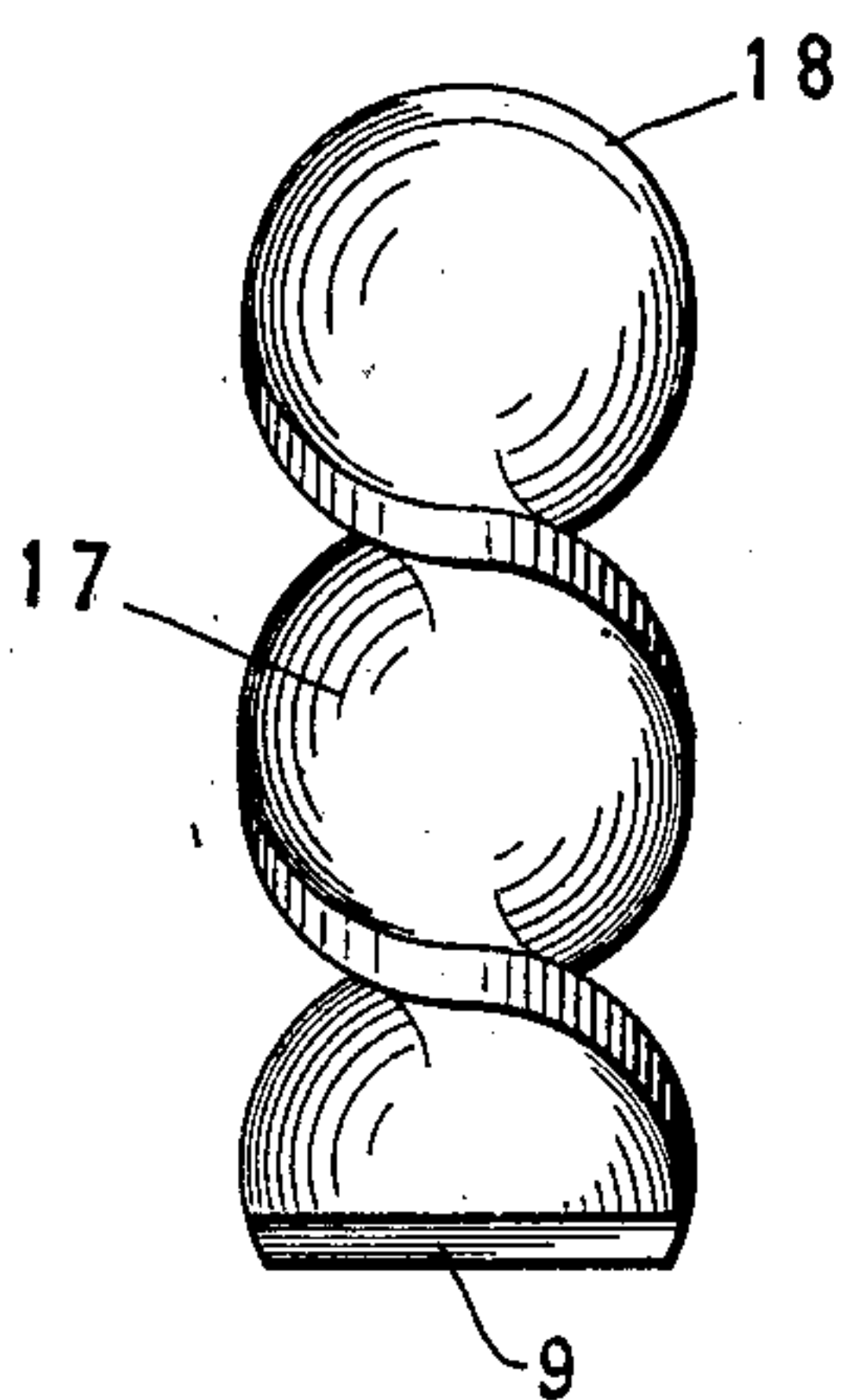


Fig- 6-

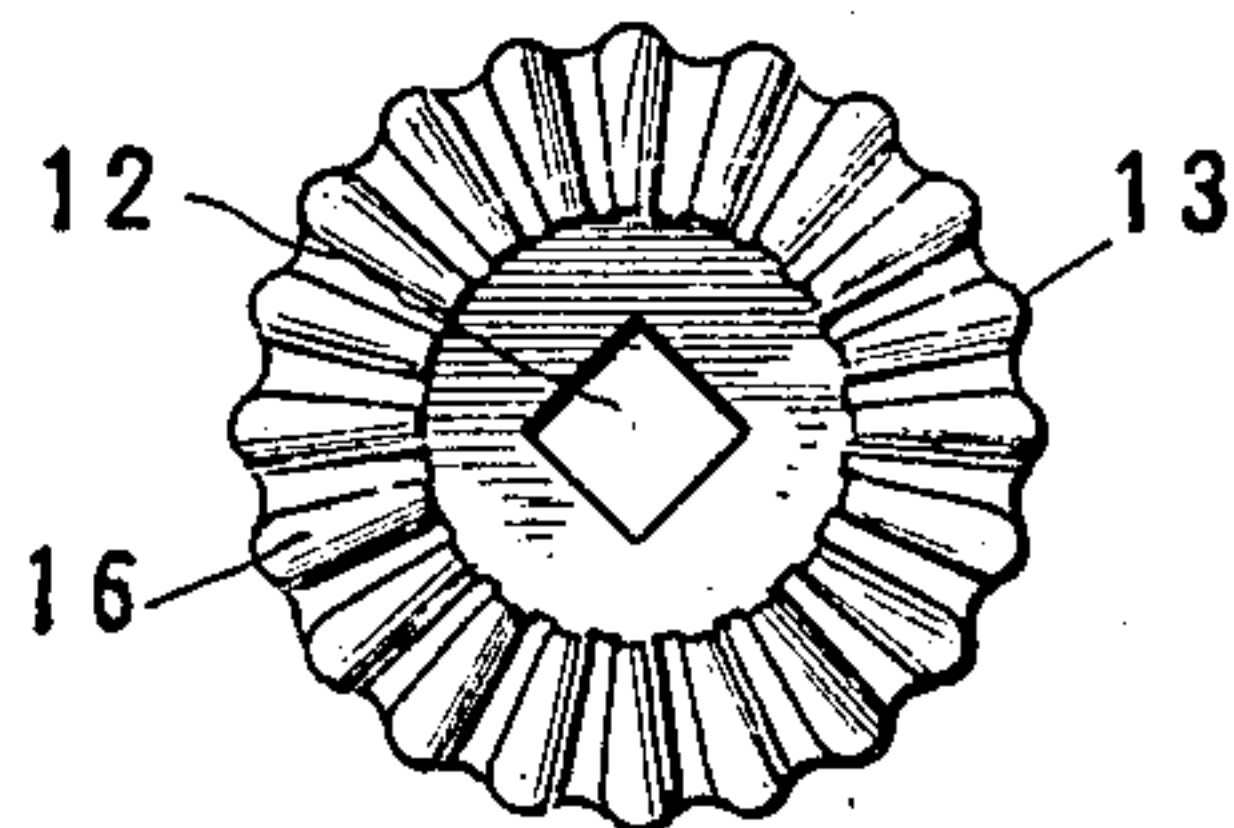
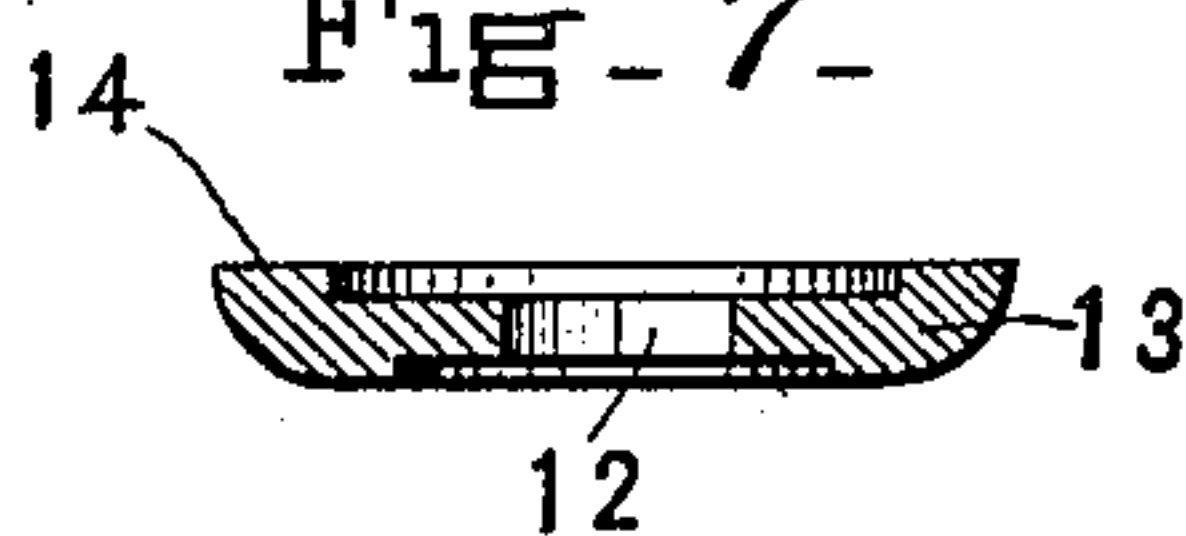


Fig- 7-



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 8.

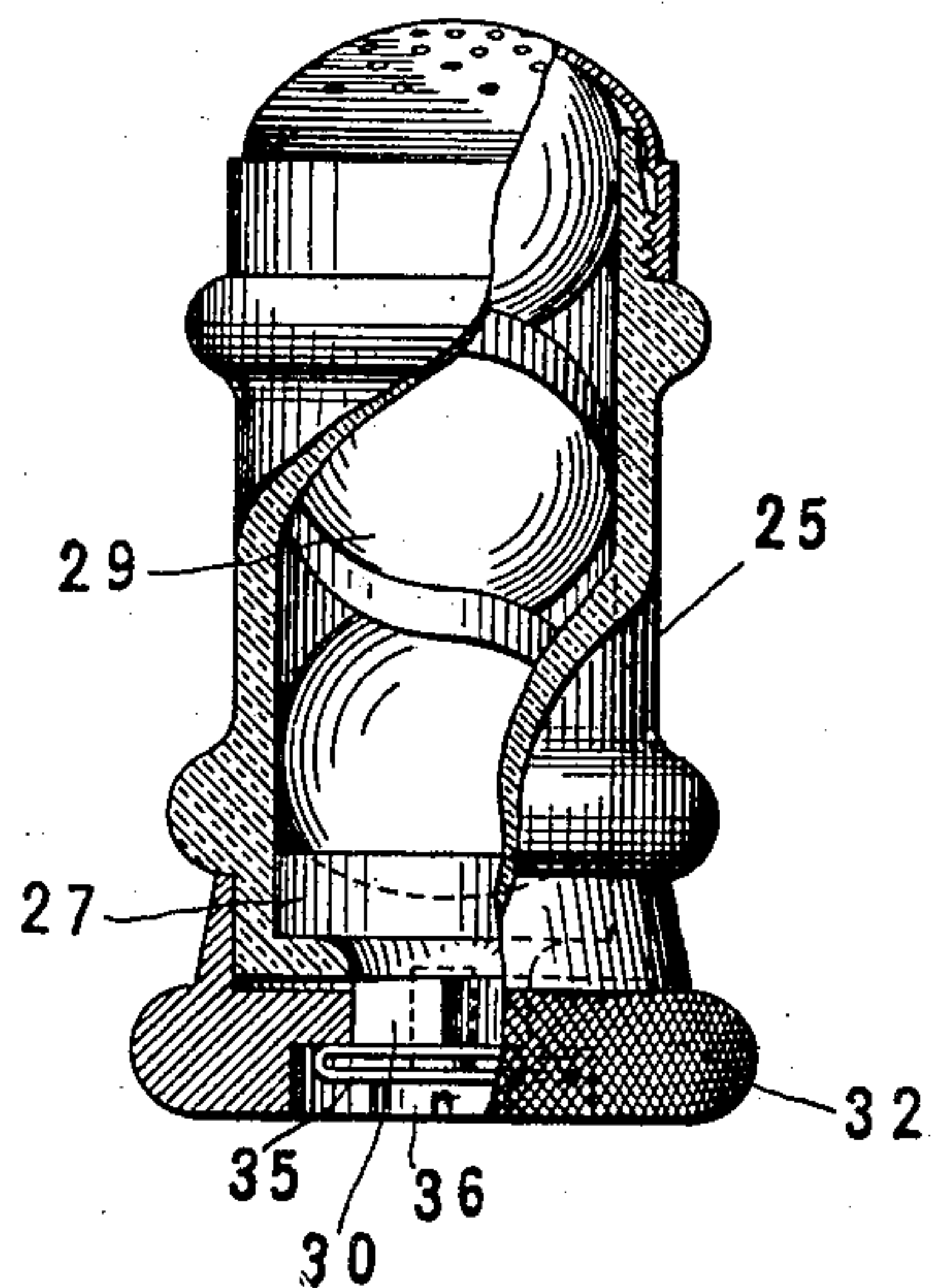


Fig. 10.

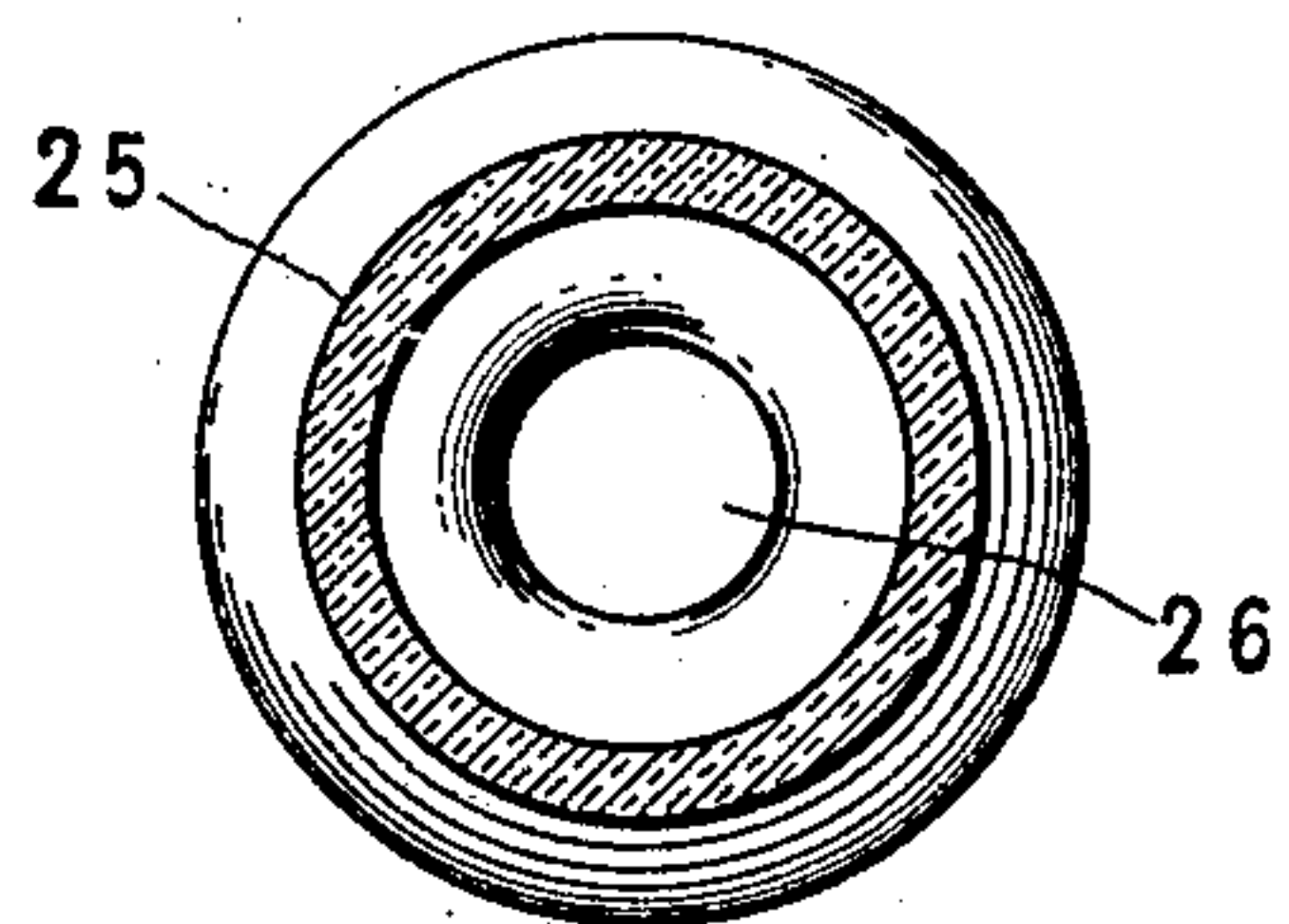
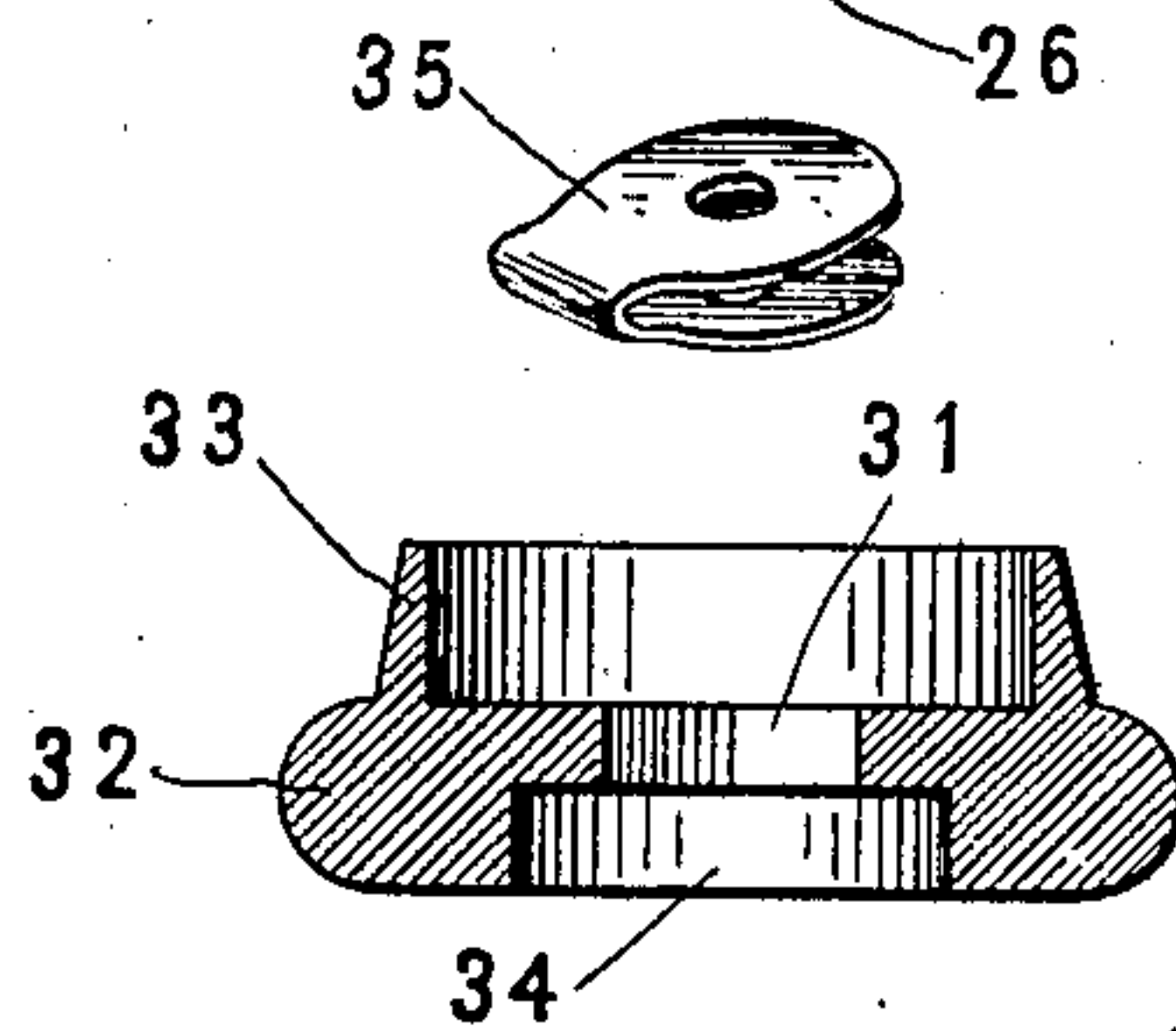
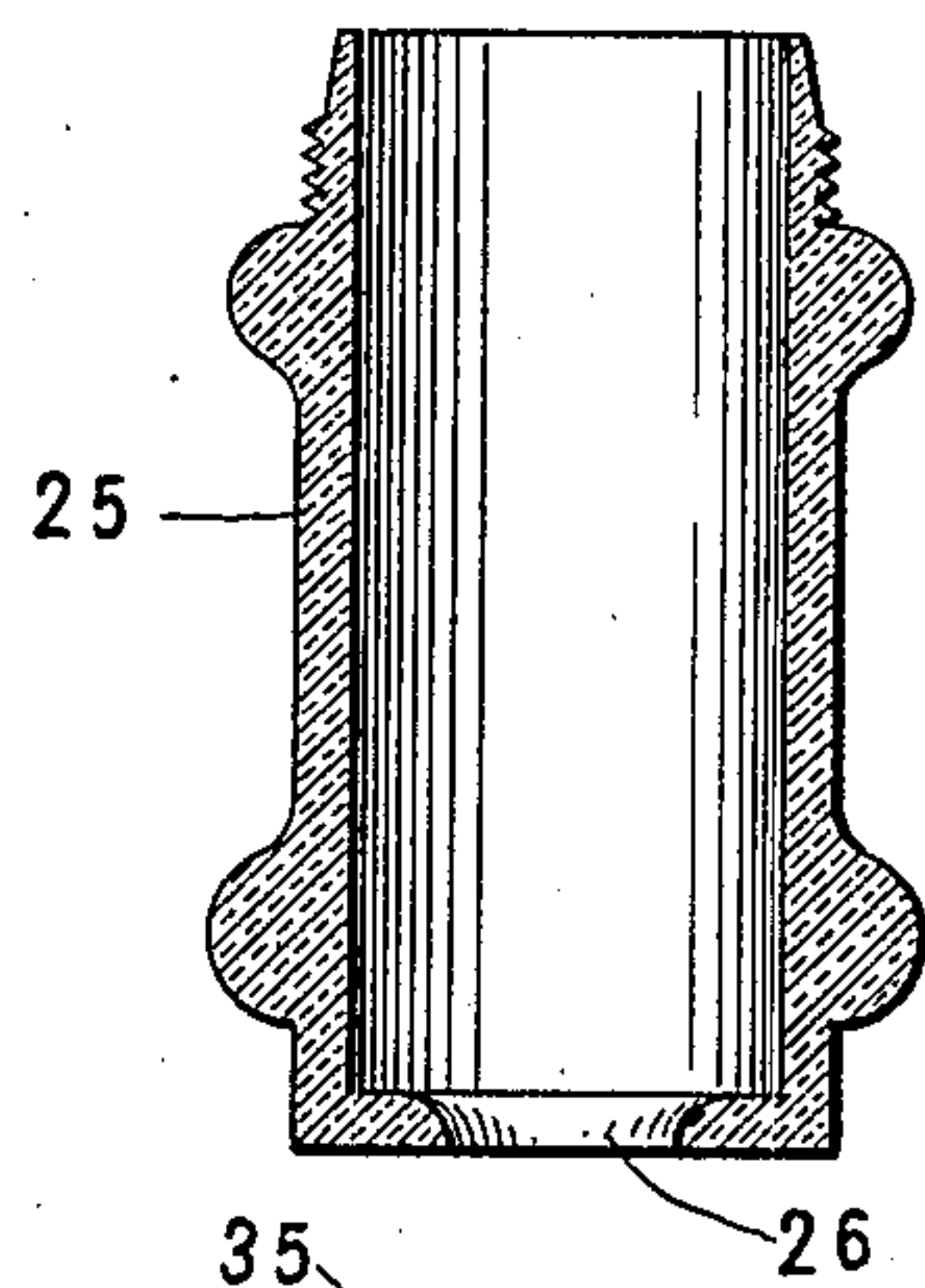
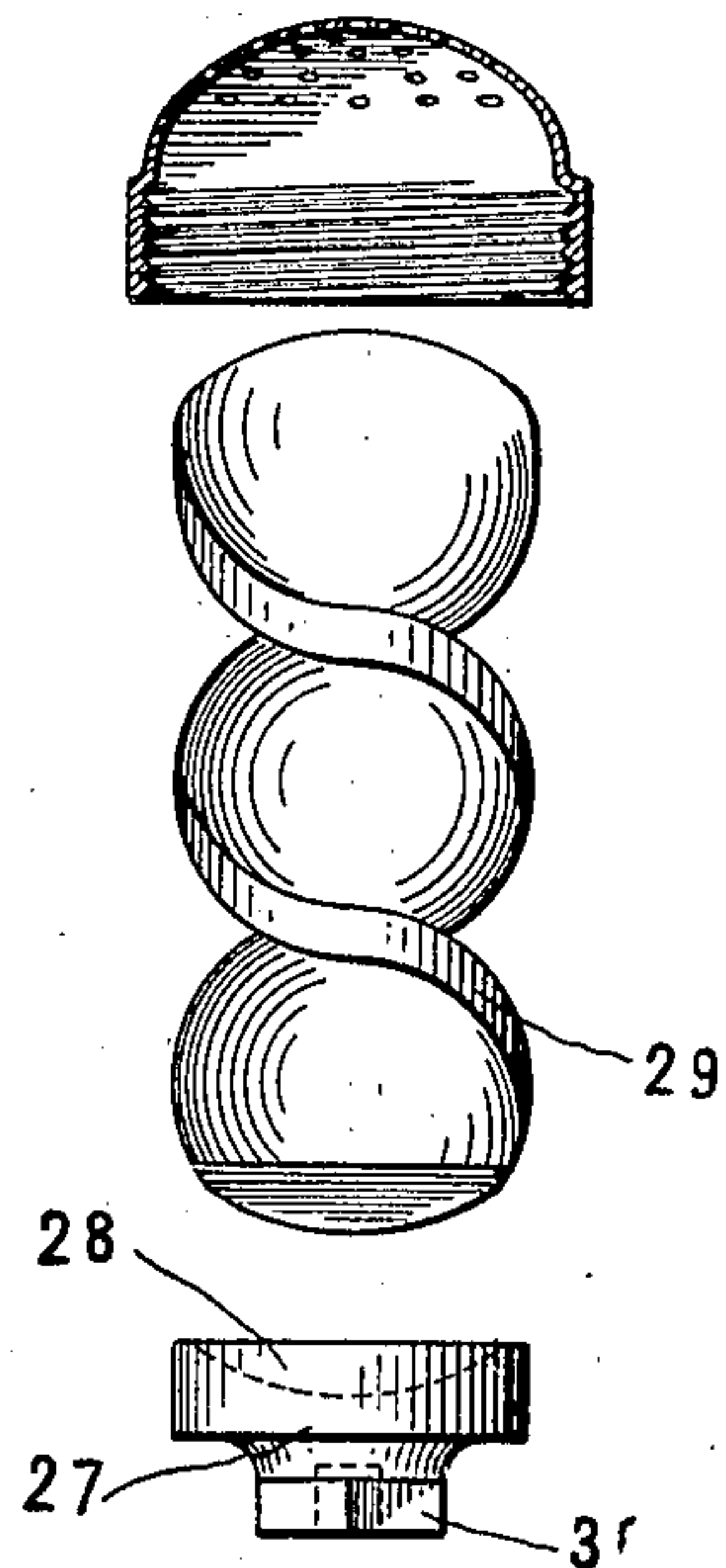


Fig. 9.



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# UNITED STATES PATENT OFFICE.

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## SALT-CELLAR.

No 919,483.

Specification of Letters Patent

Patented April, 27 1909.

Application filed December 18, 1907. Serial No. 406,965.

*To all whom it may concern:*

Be it known that I, WILLIAM E. SNEDIKER, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, (whose post-office address is 723 St. Nicholas avenue, New York city, New York,) have invented certain new and useful Improvements in Salt-Cellars, of which the following is a full, clear, and exact description, whereby any one skilled in the art may make and use the same.

The invention relates to receptacles having special features of positive discharge, and more particularly to a receptacle designed for use as a salt cellar.

The objects of the invention are to provide a simple and most efficient structure in which the interior bore or opening is actuated upon by positive feed to expel the contents.

A further object is to provide a device in which all of the moving parts are thoroughly inclosed, giving practically a sealed package except for the openings through which the material is expelled; and a still further object is to arrange the several parts of the device so that all are readily accessible and removable for purposes of inspection and cleansing.

Referring to the drawings: Figure 1 is a view in side elevation with parts broken away to show construction. Fig. 2 is a sectional view through the casing. Fig. 3 is a detail view of the screw or positive propeller. Fig. 4 is a side view of the screw seat. Fig. 5 is a bottom plan view of the same. Fig. 6 is a bottom plan view of the actuator. Fig. 7 is a sectional view of the same. Fig. 8 is a modified form of the device. Fig. 9 illustrates the various parts unassembled, but arranged in relative positions of engagement. Fig. 10 is a cross-sectional view in plan.

The device herein described consists broadly of a tubular receptacle having a bottom and a removable or an integral top and provided with a positive ejector in the form of a feed screw, or the like, which is substantially co-extensive with the interior bore of the receptacle, whereby all material borne therein is subject to positive action of the positive feed ejector.

The device is particularly designed for use in substances which have a greater or less affinity for moisture and become semi-

plastic or sticky to the extent that they cannot be readily removed from the receptacle without the use of a positive ejector.

Referring to the drawings, the numeral 1 denotes such a receptacle which may be of any desired ornamental design, and as shown in a preferred form as composed of glass or other refractory material which will not be attacked by the contents. It has a central bore 2 and a threaded top 3 arranged to receive a perforated cover 4. On its under side it is provided with a recess 5 which, through an opening 6, connects with the interior bore.

Within the bottom of the bore 2 is closely fitted a rest or seat 7 which, as shown herein, has a slot 8 extending across its upper face and of a suitable form to receive the lower edge 9 of a screw. This seat has a cylindrical extension 10 fitting closely within the opening 6 and with its lower end 11 angularly formed to fit within an angular opening 12 formed in the actuator 13. The actuator 13 is of cylindrical form having a smooth upper face 14 which fits tightly against the bottom 15 of the recess 5 at the bottom of the body part. Its outer surface is fluted or serrated as indicated at 16 to serve as a knurled thumb piece by which the actuator may be rotated.

The screw 17 which fits within the rest 7 is of helical form, the exterior of the helix just filling the interior bore 2 and formed at its upper end as at 18 to conform to the under surface of the cover 4. Thus the upper end of the helix acts as a scraper for the under side of the cover, while the screw itself completely fills and scrapes against the walls of the bore 2. It is of such a form that when rotated it will force the material within the bore 2 through the perforations of the cover.

All of the various parts may thus be made of non-corrosive material, such as glass, although, of course, metal may be employed where desired. The parts, however, are so designed that they may all be molded or pressed from glass, and each part being closely fitted to the cooperating parts, there are no joints or seams in which corrosion will occur or dust or dirt collect.

For maintaining the several parts in proper position when assembled, the screw and washer 19 and 20 are employed, the former arranged to engage a threaded opening in the tubular extension 10. It will thus



be seen that the rest 10 may be dropped into the bottom of the bore 2, the screw 17 fitted therein and the actuator 13 fitted into the bottom recess 5 forming a close joint with said bottom and yet located entirely within the recess by applying the screw and washer. The several parts are firmly located and held together in such relation that a turning movement of the actuator 13 will rotate the screw 17. A spring 20<sup>a</sup> prevents cramping.

In the form of device shown in Figs. 8 and 9, the body part 25 has an opening 26 conforming in contour to a rest 27, said rest being provided with a slot forming ears 28 to engage the lower edge of a feed screw 29. The rest 27 has an angularly formed portion 30 extending through the opening 26 and engaging a similarly formed opening 31 in a base piece 32. This base piece has an upwardly extending neck 33 which surrounds the bottom portion of the body part 25. It is provided with a recess 34, within which may be arranged a spring washer 35 held in place by a screw 36 which engages the threaded opening in the end of the projecting part 30 of the seat 27. The outer edge of the base piece 32 may be knurled or serrated to provide a gripping surface by which the various parts may be turned with reference to the body part 25. It will be noted that in this form of device the knurled piece 32 serves as a base for the device, while in the preferred form, heretofore described, the base is formed with the body part and the actuator is wholly hidden within the bottom recess of the base.

Obviously, the exact details may be varied to a considerable extent without departing from the spirit or intent of the invention, and of course, all or a portion of the various elements may be made from glass or refractory material, thus producing a most hygienic structure.

What I claim as my invention and desire to secure by Letters Patent is:

1. In a receptacle of the character described, a body part having a central bore, a rotary seat arranged at the bottom of said bore and formed to interengage a feed screw, a feed screw of helical form removably interengaged with said rotary seat, and means

located within the base of the body part for rotating the seat.

2. In a receptacle of the character described, a body part having a central bore and a recess in the base, a feed screw and a rotary seat therefor, the latter projecting into the recess of the base, the former co-extensive with the interior bore and removably interengaged with said rotary seat, and a serrated actuator engaging the extended portion of said seat whereby the seat and screw may be rotated.

3. In a receptacle of the character described, a body part having a central bore, a feed screw fitting within said bore and co-extensive therewith, said screw being bodily removable and interengaging an actuator, the actuator for said feed screw comprising a rotary seat interengaging the feed screw and extending through the bottom of the body part and engaged by a rotary thumb plate located within the base, and means for clamping said seat and thumb plate together.

4. In a receptacle of the character described, a body part having a central bore and a recess in the base, an opening from said bore to said recess, a rotary seat located at the bottom of said bore and extending through said opening, a feed screw fitting within the bore and co-extensive therewith, said screw interengaging the rotary seat, a rotary thumb plate located within the recess for rotating said seat and means for resiliently clamping said seat and thumb plate together.

5. In a receptacle of the character described, a body part having a central bore and a recess in the base, an opening from said bore to said recess, a rotary seat located at the bottom of said bore and extending through said opening, said seat having a transverse slot, a feed screw fitting within the bore and arranged to engage the slot of the rotary seat, and means located within the recess and in engagement with said rotary seat for rotating said seat and screw.

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Witnesses:

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