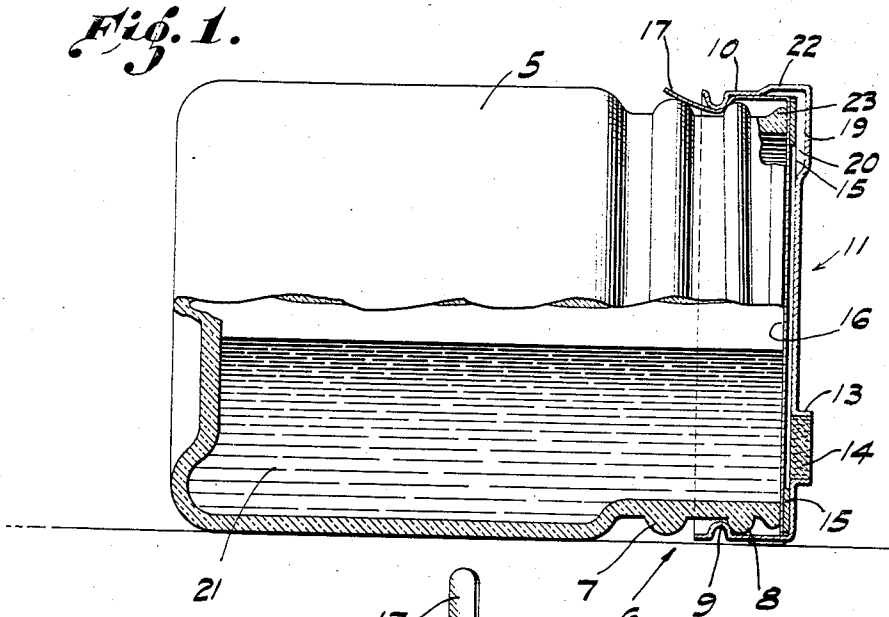
Nov. 14, 1939. R. B. LOIBL, JR 2,180,199

INSECTICIDE DISPENSER

Filed March 10, 1939

Fig. 1.



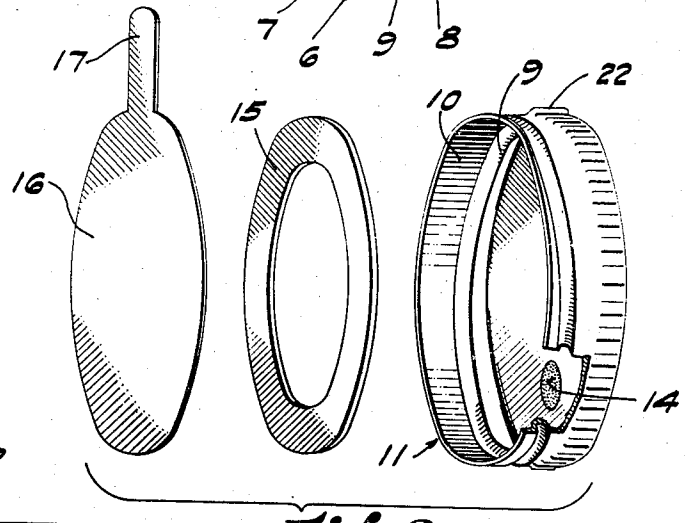


Fig. 2.

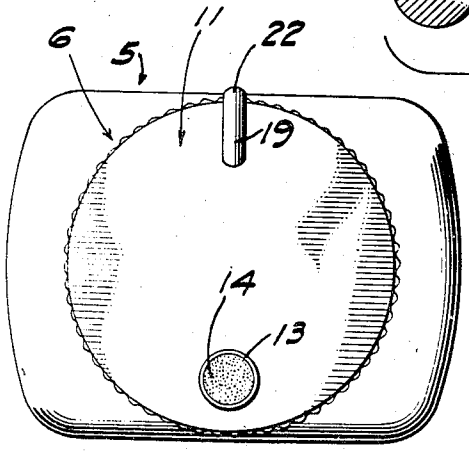


Fig. 3.

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INSECTICIDE DISPENSER

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Application March 10, 1939, Serial No. 261,037

3 Claims. (Cl. 43—131)

My invention relates to devices for dispensing a liquid insecticide.

It is an important object of the invention to improve upon the art particularly relating to the control of Argentine and sweet eating ants, and in the furtherance of this purpose additional objects reside in the improvement of such devices wherein a more up-to-date feeding means is effected; the improvement relating to the prevention of the delivery of the poisonous feed to the creatures previous to the device being put to use; the improved vent means for controlling the feed and the improved means for positioning the feeding means making the latter more accessible, whereby the ants are enticed to their destructive end.

A more specific object of the invention is to provide an improved porous plug arrangement for delivering the poisonous liquid to the ants.

Other objects, features, and advantages of invention will however hereinafter appear.

A preferred embodiment of the invention as now reduced to practice and being introduced to the trade is shown in the accompanying drawing on which the present disclosure is based, and in said drawing—

Fig. 1 is a side elevation of the complete device with certain portions removed to show interior construction.

Fig. 2 is a perspective view of the lid, gasket, and sealing cap in extended relation, and,

Fig. 3 is an end elevation of the dispensing end.

Referring in detail to the drawing, the container 5 shown therein desirably consists of a bottle or small glass jar, the body portion of which is of an approximately rectangular character having a width greater than its thickness. This body is shown furnished at one end with a protruding neck portion 6 having around its inner or basal portion a circumferential bead 7 and farther out with a spirally inclined bead 8. With the latter bead cooperates the internal spiral grooves or screw threads 9 of the attaching flange 10 of a sheet-metal closure cap 11 when said cap is screwed into place.

Said cap 10 is furnished near its periphery with an outwardly directed annular lip or flange 13 which surrounds a liquid delivery opening which is partially obstructed by a plug 14, said plug being sufficiently porous to permit the liquid poison to gradually ooze through it from the interior of the container. The screw-threaded connecting means between the cap and bottle neck is so arranged as to cause complete screwing down of the cap to bring the aforesaid plugged-up orifice adjacent to mid-width portion of one of the flat sides of the container so that, when such side is placed upon a supporting surface the poison delivery orifice will be near the lower side of the container where it will be attractive to ants crawling over such supporting surface. When the cap is screwed down its delivery aperture is slightly spaced away from the inner edge of an annular gasket 15 positioned within the peripheral portion of the cap as shown in Fig. 1.

In order to guard against any escape of the contents of the container through the porous plug 14 before the article is to be used, a circular sealing disk 16 is provided to fit between the annular gasket 15 and the mouth of the container, said disk having a radially extending peripheral finger 17 to facilitate its manual removal or replacement.

The portion of the cap 11 which is uppermost when the device is in its operative position is furnished with a radially extending out-pressed ridge or bead 19, thus providing underneath this out-pressed part a groove 20 to prevent an internal vacuum from occurring and arresting the liquid contents 21 from oozing out through the porous plug 14 when the device is positioned for use. Said out-pressed ridge not only extends across a face portion of the cap bordering upon its periphery, but a part 22 of this ridge extends down along the flange 10 of the cap a sufficient distance to insure that an air passage is afforded back of a brim bead 23 which surrounds the mouth of the neck portion 6 of the container.

When the device is to be put into use, the cover is removed and then the user by manually grasping the finger 17 of the sealing disk 16 removes said disk. Then the cover is again screwed on and, owing to the absence of said sealing disk, air can readily enter by the inlet 20 to facilitate the gradual flow of the liquid poison through the porous plug 14.

The container is then positioned upon the ground or other supporting surface in a position wherein it rests upon that one of its two flat sides which is adjacent to the plugged outlet 13. Thus positioned, the sweetened poison is brought close to the surface over which will crawl the ants or other insects to be destroyed. Hence, such insects are effectively attracted to, and caused to partake of the insecticide.

It should be understood that the present disclosure is for the purpose of illustration only and that this invention includes all modifications and equivalents which fall within the scope of the subject matter claimed.

What is claimed is:

1. In an article of the kind described, a container having a filling opening surrounded by an externally screw-threaded neck, a cap having a flange capable of being screwed down upon said neck until its body portion abuts against the end thereof, said cap having a partially obstructed liquid delivery opening through its body portion in an adjacent, spaced relation to its periphery, an annular gasket interposed between the end of the neck of said container and the body portion of said cap, said gasket being sufficiently narrow to avoid overlying said liquid delivery opening when the cap is applied, and a disk shaped gasket at such time interposed between said annular gasket and the end of the neck of the container, the latter gasket having a radial finger to facilitate its manual insertion and removal.

2. As an article of manufacture, a sheet-metal cap for poison dispensing receptacles, said cap having a delivery opening through its body portion near its periphery and having an attaching flange of a screw-threaded nature for securing it to the neck portion of a container, said cap having also an outpressed bead which extends radially over the part of its peripheral portion which is opposite to said delivery opening, said bead being continued across a portion of the width of the attaching flange of said cap.

3. In an article of the kind described, a container having a filling opening surrounded by a neck which is externally screw threaded, said neck having an outwardly directed external bead around the extremity of its mouth portion; and a sheet-metal cap for said neck portion provided with a flange having screw elements adapted to screw onto the threaded portion of said neck to form a closure for said container, said cap having a delivery opening located near one side of the periphery of its body portion and having a bead extending radially across the marginal part of its opposite peripheral portion, said bead being continued across a part of the flange of said cover thereby affording an air relief passage, one end of which communicates with the space circumscribed by the neck portion of the container and the other end portion of which extends behind the aforementioned bead and by means of the threaded portion of the neck of the container communicates with the external atmosphere when the cover is applied to the receptacle.

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