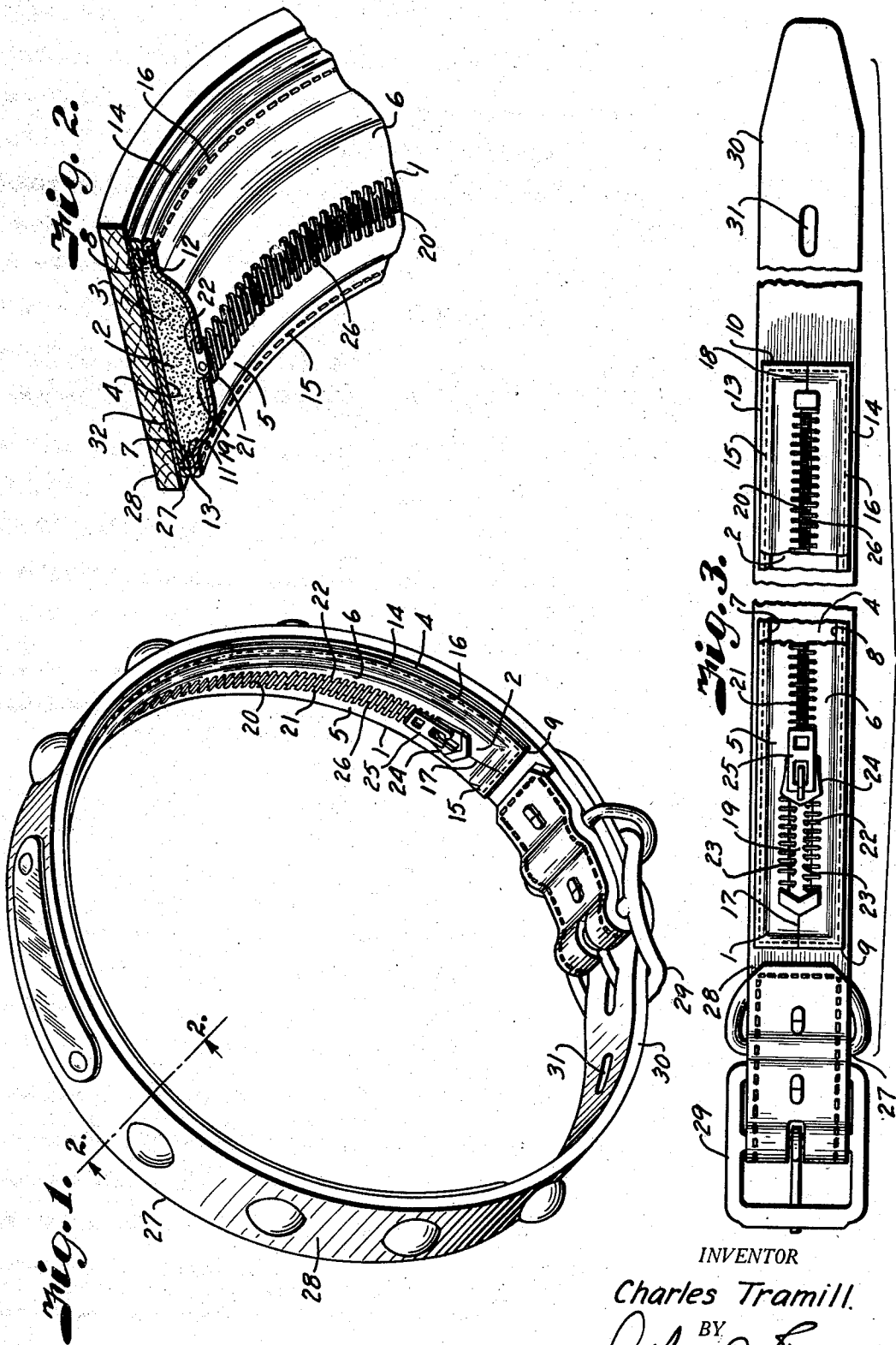


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POWDER CONTAINER FOR DISPENSING INSECTICIDE
ON DOGS AND SIMILAR ANIMALS
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POWDER CONTAINER FOR DISPENSING
INSECTICIDE ON DOGS AND SIMILAR
ANIMALS

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5 Claims. (Cl. 119-157)

This invention relates to a powder container for dispensing insecticide on dogs and similar animals subject to infestation by fleas or other vermin, and has for its principal object to provide incorporation of a device of this character in a collar, harness, or other article worn by the animal so that the powder is automatically dispensed incidental to activity of the animal.

Other objects of the invention are to provide an insecticide dispenser that is not conspicuous when worn by the animal; to provide a dispensing device which is of considerable length and has a substantially co-extensive slot-like opening to facilitate insertion of powder; and to provide a closure for the fill opening which also forms outlets through which powder sifts onto the animal.

It is also an object of the invention to provide a powder dispensing device constructed so that it does not interfere with comfort and activity of the animal and which is not destructive to hair or injurious to the skin of an animal.

In accomplishing these and other objects of the invention, I have provided improved structure, the preferred form of which is illustrated in the accompanying drawing, wherein:

Fig. 1 is a perspective view of a dog collar equipped with a powder dispensing device embodying the features of the present invention.

Fig. 2 is an enlarged cross-section through the collar on the line 2-2 of Fig. 1.

Fig. 3 is an inside plan view of the collar shown with parts broken out to shorten the figure and with the powder containing pocket partly opened.

Referring more in detail to the drawing:

1 designates a powder dispensing device which includes an elongated pocket 2 for containing a powder type insecticide 3. The pocket 2 is formed by a strip of flexible material 4 of desired length and width and flaps 5 and 6. The side edges 7 and 8 and the ends 9 and 10 of the strip and the outside edges 11 and 12 of the flaps are returned to form finished edges 13 and 14 which are secured together by lines of stitches 15 and 16. The strip 4 and the flaps 5 and 6 may be formed of any suitable flexible material, for example a fabric having closeness of weave to retain the powder in the pocket. The flaps correspond in length to the strip 4 and are of a combined width greater than the width of the strip 4 so as to give sufficient fullness to provide a pocket 2 of ample capacity to contain the desired amount of powder therein. The inner edges of the flaps are secured together for a short distance at their respective ends as indicated at 17 and 18 to form a slot-like

opening 19 therebetween through which the powder is readily inserted into the pocket.

The slot-like opening is closed by a zipper type fastener 20 having Talon elements 21 and 22 thereof secured along the adjacent inner edges of the flaps in alternate order so that the heads 23 thereof are adapted to be interengaged by the usual slide 24 which is adapted to be gripped by a tab 25 that may also form a lock to retain the slide at the closed end of the slot. The Talon elements are thus adapted to close the slot-like opening and retain the powder in the pocket, but there are sufficient spaces between the interengaged heads thereof to provide small apertures 26 through which the powder is adapted to sift.

The dispensing device or pocket thus formed is adapted for attachment on the inner side of an article worn by the animal, for example a collar, the strap of a harness, or the like, but in the present drawing I have illustrated it as applied to the inner face of a collar 27.

The collar 27 is of usual construction in that it includes a strap 28 having one end provided with a buckle 29 for securing the opposite end 30 in encircling relation with the neck of an animal. The dispensing device is attached to the inner face of the collar with one end thereof adjacent the buckle and the other end terminating near the last of the buckle holes 31 so that the dispensing device extends across the top of the animal's neck and is in position to effect sifting of powder through the apertures 26 incidental to activity of the animal wearing the collar.

The device may be secured to the collar by any suitable means such as an adhesive, as indicated at 32, or by stitching, rivets or other suitable attaching means.

In filling the device, the collar is unbuckled and preferably supported upon a flat surface with the inner side uppermost. The slide 24 of the zipper is then retractively drawn along the Talon elements of the zipper to open the slot-like fill opening. The flaps may then be spread outwardly to widen the opening so that the powder may be deposited along the entire length of the pocket. The slide 24 is then redrawn along the fastening elements, causing their re-engagement and closure of the opening. The gripping elements of the zipper, however, provide the apertures 26 through which the powder is adapted to sift. The collar is then buckled about the neck of the animal and positioned with the dispensing device extending across the nape of the neck. In this position the powder sifts from the pocket in small amounts responsive to movement of the

collar incidental to activity of the animal, the powder falling upon the neck of the animal being progressively distributed to other parts by the scratching and rubbing of the animal.

While I have particularly illustrated the invention as applied to a collar, it is obvious that it may be attached to a strap of a harness, the inner side of a blanket, or any article worn by an animal, and I do not wish to be limited to the specific application illustrated and described.

It is apparent that I have provided a simple and inexpensive device whereby an insecticide powder is automatically dispensed onto an animal and which is so constructed that the powder is readily insertable therein.

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

1. A powder dispensing device including an elongated pocket formed of a material substantially impervious to the insect powder adapted to be contained in said pocket and having flexible flaps forming a slot-like opening along the length thereof for insertion of said powder into the pocket, and means for closing said opening and forming a plurality of apertures through which said powder sifts from the pocket.

2. A powder dispensing device of the character described including a strip of flexible material, powder impervious flaps co-extensive with the sides of the strip and cooperating therewith to form a pocket having sufficient fullness to contain a quantity of powder, said flaps being spaced apart to provide an opening therebetween through which the powder is inserted into the pocket along the length thereof, and Talon fasteners on said flaps arranged to bridge the opening and form apertures along the length of the pocket through which the powder is adapted to sift from said pocket.

3. In combination with an article to be worn by an animal, an elongated powder dispensing pocket formed of a powder impervious mate-

rial to retain a powder and having an opening substantially co-extensive with the length of said pocket through which the powder is inserted along the length of the pocket, means securing the pocket to the inner face of said article, and a zipper having interengaging elements fixed to opposite edges of the openings of said pocket, said zipper being adapted to contact the animal and of a type to form a plurality of apertures through which the powder is adapted to sift from said pocket onto the animal wearing the article.

4. A collar including a powder dispensing pocket formed of a material substantially impervious to a powder adapted to be contained in said pocket, said pocket extending along the inner face of the collar and having a slot-like opening through which the powder is inserted in the pocket, a zipper having interengaging elements projecting from edges of said slot-like opening for closing said opening and adapted to contact an animal wearing the collar, said zipper being of a type to provide a plurality of openings between said elements for dispensing powder onto an animal wearing the collar, and means for securing said pocket to the inner face of said collar.

5. A collar including a strip of flexible material substantially co-extensive with the inner face of said collar, flaps secured to sides of said strip and having edges spaced apart for forming a slot-like opening therebetween, said flaps being formed of a material substantially impervious to powder, a zipper having interengaging elements projecting from edges of said flaps for bridging said slot-like opening and forming a plurality of openings through which a powder is adapted to be dispensed on to the neck of an animal wearing said collar, and means for securing said strip to the inner face of said collar.

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