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3,213,830

NECK OILERS FOR CATTLE AND THE LIKE

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Fig. 1.

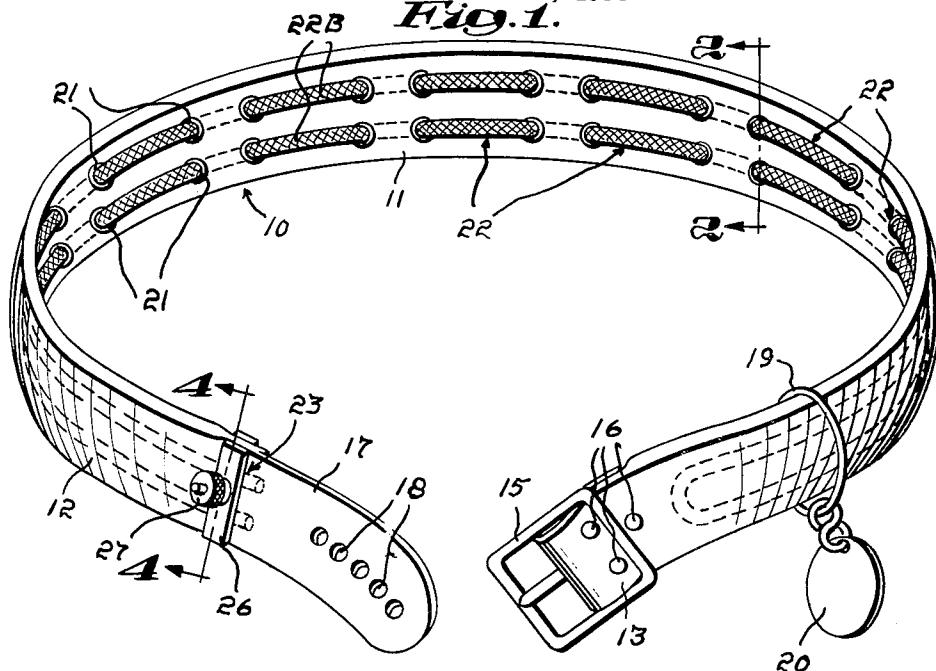


Fig. 2.

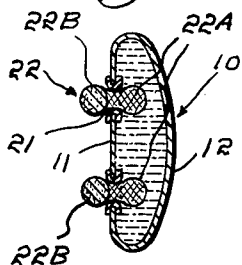


Fig. 3.

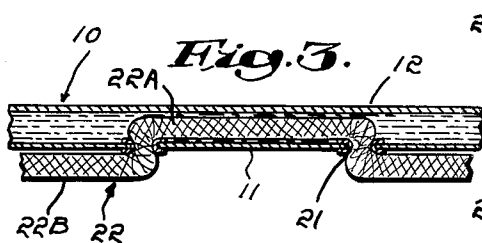


Fig. 4.

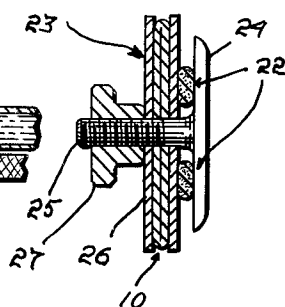
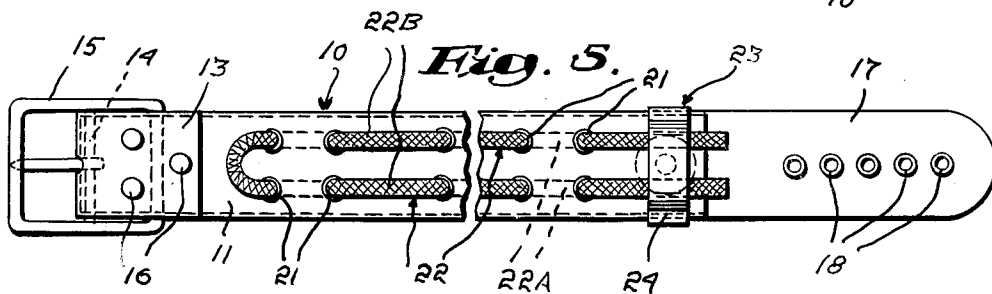


Fig. 5.



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NECK OILERS FOR CATTLE AND THE LIKE

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6 Claims. (Cl. 119-106)

The present invention relates to neck oilers for cattle to ensure the continuous application of an insecticide to their necks.

While cattle are relatively free of insects during winter months, it is commonly noted that, even in the coldest weather, cattle will be found to have insects in neck areas, typically in the zone at the base of the throat. As a consequence, insecticides must be applied to infested areas and even though the applications take but a short time for each animal, they must be repeated so that a considerable time factor is involved in such treatments, the factor being in proportion to the size of the herd.

The principal objective of the present invention is to enable infested neck areas to be treated efficiently and economically. This objective is attained by providing a neck oiler in the form of an elongated, flexible envelope, preferably of a clear plastic, having means for detachably interconnecting the ends thereof about the neck of the animal. The inner face of the envelope has a plurality of ports spaced lengthwise thereof. A wick member is threaded through the ports and is dimensioned to close them and provides internal portions exposed to the oil in the envelope and external portions exposed for engagement with the neck of the animal.

In the accompanying drawings, there is shown an illustrative embodiment of the invention illustrating these and other of its objectives and novel features and advantages.

In the drawings:

FIGURE 1 is a perspective view of a neck oiler in accordance with the invention,

FIGURE 2 is a section on an increased scale, taken approximately along the indicated lines 2-2 of FIGURE 1,

FIGURE 3 is a fragmentary longitudinal section showing the threaded wick member,

FIGURE 4 is a section taken approximately along the indicated lines 4-4 of FIGURE 1, and

FIGURE 5 is an elevation of the oiler showing the inner face thereof.

A neck oiler in accordance with the invention is herein discussed with particular reference to the embodiment thereof shown in the drawings and particularly adapted for use with dairy herds.

The neck oiler shown in the drawings consists of an elongated, flexible envelope generally indicated at 10 which is preferably formed from a transparent plastic stock. It is preferred that the envelope 10 be so formed as to have a flat inner face 11 and a somewhat convex outer face 12. The envelope 10 is sealed adjacent one end to provide an extension 13 folded about the cross bar 14 of a buckle 15 and sealed to itself as at 16. The envelope 10 is sealed adjacent its outer end to provide a tongue 17 provided with a series of perforations 18. By these or equivalent means, the envelope 10 may be secured about the neck of a cow and the envelope may carry a ring 19 to which is attached a tag 20 bearing data relative to that cow.

The inner face 11 of the envelope 10 has two series of apertures 21, the series both extending lengthwise of the envelope 10. A generally indicated wick-like member 22, dimensioned to close the apertures 21, is threaded lengthwise of the envelope through one series of apertures 21 and is returned by threading it through the other series with the ends of the member 22 both being ex-

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posed at the same end of the envelope 10 to which they are clamped by the generally indicated clamp 23. The clamp 23 is shown as consisting of a transverse bar 24 provided with a threaded stem 25 extending through the tongue end of the envelope 10 to provide the seal therefor when the bar 26 is clamped thereagainst by the nut 27, the ends of the wick member 22 also being caught between the envelope 10 and the clamping bars. By this arrangement, the envelope 10 may be readily refilled and the wick member 22 removed and replaced.

The wick member 22 provides inner portions 22A exposed to the liquid within the envelope 10, typically an oil containing an insecticide visible through the transparent walls of the envelope so that it can readily be determined whether the oilers need attention to provide the proper protection for the cattle. The wick member 22 provides external portions 22B for engagement with the neck of the cow.

It will be appreciated that the envelope 10 is not applied as a tight collar. In practice, as the cow moves, the envelope moves so that the oil carried by the external portions is applied over a wide zone in the neck area as will be obvious when one considers the movement of a cow while held by stanchions while at her stall.

I claim:

1. A neck oiler for a herd of cattle, said oiler comprising an elongated, flexible envelope constituting a reservoir for an oil containing an insecticide, means to detachably interconnect the ends thereof about the neck of the animal, the inner face of said envelope having a plurality of ports spaced lengthwise thereof, and a wick member threaded through and closing said ports with portions interiorly of the envelope exposed to the oil therein and portions exteriorly thereof exposed for engagement with the neck.

2. A neck oiler for a head of cattle, said oiler comprising an elongated, flexible envelope constituting a reservoir for an oil containing an insecticide, at least the outer face of said envelope being transparent, means to detachably interconnect the ends thereof about the neck of the animal, the inner face of said envelope having a plurality of ports spaced lengthwise thereof, and a wick member threaded through and closing said ports with portions interiorly of the envelope exposed to the oil therein and portions exteriorly thereof exposed for engagement with the neck.

3. A neck oiler for a herd of cattle, said oiler comprising an elongated, flexible envelope constituting a reservoir for an oil containing an insecticide, means to detachably connect the ends thereof about the neck of the animal, the inner face of said envelope having two parallel series of ports spaced lengthwise thereof, and a wick member threaded through and closing the ports of both series with its ends exposed, portions of said wick member interiorly of said envelope being exposed to the oil therein and portions thereof exteriorly of said envelope being exposed for engagement with the neck, and means cinching the ends of said member.

4. A neck oiler for a herd of cattle, said oiler comprising an elongated, flexible envelope constituting a reservoir for an oil containing an insecticide, means to detachably connect the ends thereof about the neck of the animal, the inner face of said envelope having two parallel series of ports spaced lengthwise thereof, and a wick member threaded through and closing the ports of both series with its ends exposed through corresponding ports, one at the end of each series, portions of said wick member interiorly of said envelope being exposed to the oil therein and portions thereof exteriorly of said envelope being exposed for engagement with the neck, and means cinching the ends of said member.

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5. A neck oiler for a herd of cattle, said oiler comprising an elongated, flexible envelope constituting a reservoir for an oil containing an insecticide, means to detachably connect the ends thereof about the neck of the animal, the inner face of said envelope having two parallel series of ports spaced lengthwise thereof, and a wick member threaded through and closing the ports of both series with its ends exposed, portions of said wick member interiorly of said envelope being exposed to the oil therein and portions thereof exteriorly of said envelope being exposed for engagement with the neck, and means cinching the ends of said member, said means comprising a detachably clamp.

6. A neck oiler for a herd of cattle, said oiler comprising an elongated, flexible envelope constituting a reservoir for an oil containing an insecticide, said envelope having an open end, a detachable clamp closing said end, means to detachably connect the ends of said envelope about

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the neck of the animal, the inner face of said envelope having a plurality of ports spaced lengthwise thereof, and a wick member threaded through the ports with its ends held by said clamp, said wick member thus having portions interiorly of said envelope and exposed to the oil therein and portions exteriorly of the envelope for engagement with the neck.

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