

S. SILVERS.
DISINFECTING BROODERS.
APPLICATION FILED MAY 6, 1920.

1,384,866.

Patented July 19, 1921.

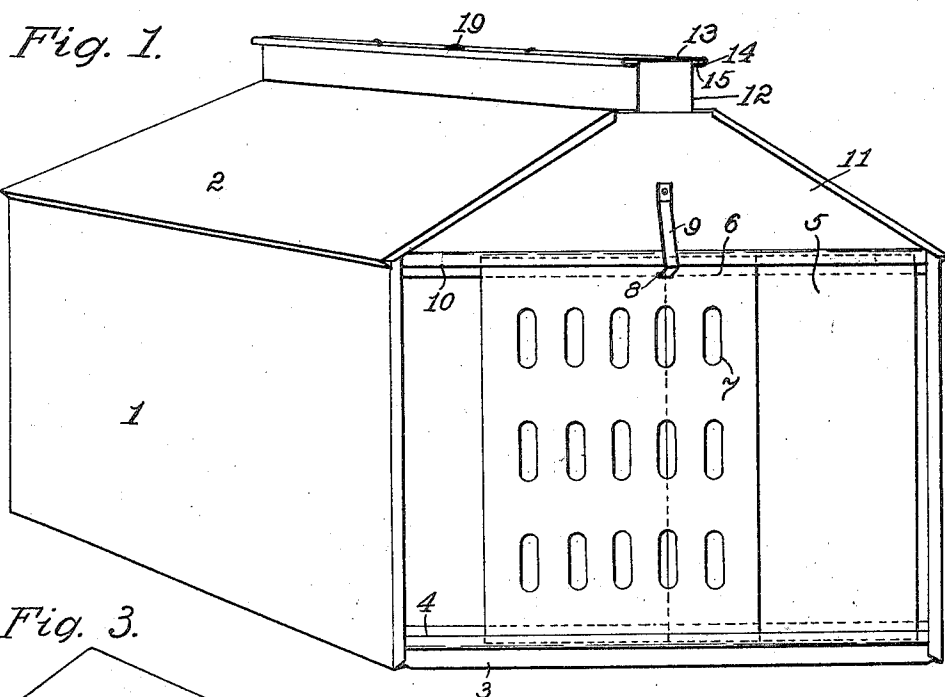


Fig. 3.

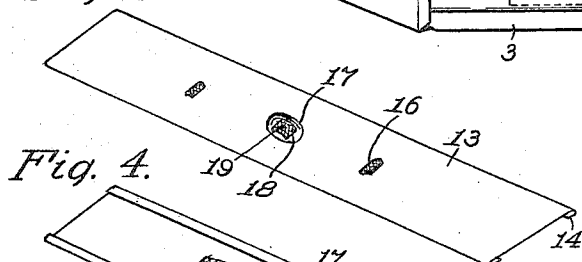


Fig. 5.

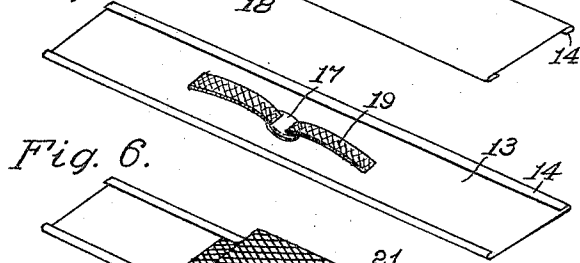
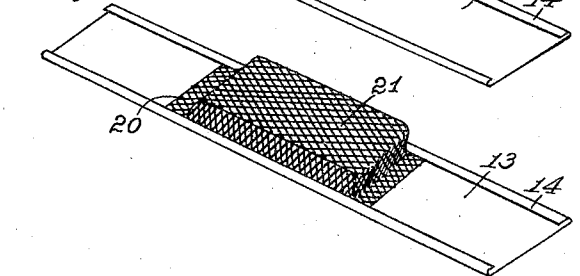
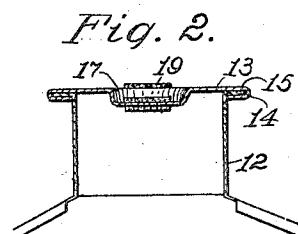
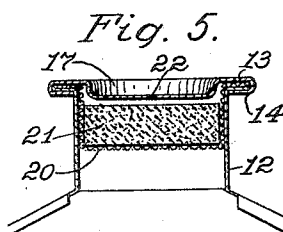


Fig. 5.



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UNITED STATES PATENT OFFICE.

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DISINFECTING BROODER.

1,384,866.

Specification of Letters Patent. Patented July 19, 1921.

Application filed May 6, 1920. Serial No. 379,402.

To all whom it may concern:

Be it known that I, SAMUEL SILVERS, a citizen of the United States of America, and a resident of Waterloo, Blackhawk county, Iowa, have invented certain new and useful Improvements in Disinfecting Brooders, of which the following is a specification.

My invention relates to improvements in disinfecting brooders, and the object of my improvement is to supply for brooding devices means for disinfecting and deodorizing them, mounted removably therein for ready assemblage or disassemblage.

This object I have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which Figure 1 is a perspective view of a brooder having my removable disinfectant-holder removably mounted thereon. Fig. 2 is a cross-section of said holder and the adjacent parts of the brooder. Figs. 3 and 4 are respectively, perspective views of said disinfectant holder as seen from above and from below. Fig. 5 is a view, similar to said Fig. 2, showing a cross-section of a holding-device wherein a different kind of disinfectant-body is mounted, and Fig. 6 is an under perspective view of the disinfectant holder shown in said Fig. 5.

In said figures, similar numerals of reference denote similar parts.

My invention is applicable to any desired construction of brooder for poultry, but I have shown in said Fig. 1 a brooder made up of galvanized iron plates, suitably connected together, comprising a bottom plate not shown, which may be removable; side plates 1, front plate sections 3 and 11, a rear imperforate plate not shown; roof plates 2, the latter having spaced vertically directed parts 12, and a pair of front doors 5 and 6, both slidable past each other in spaced slideways 4 and 10, the door 5 being imperforate, while the door 6 has a number of vertically disposed ventilating slots 7. A plate-spring 9, mounted on the front plate 11, may releasably engage a slot 8 in the door 6 to hold it in a desired position.

The upper longitudinal edge parts 15 of the roof parts 12 may be bent outwardly horizontally to be received in grooves between a removable longitudinally disposed

plate 13 and the downwardly and inwardly bent edge parts 14 of the latter, this plate 13 thus being longitudinally slidable upon said parts or ledges 15. The numeral 17 denotes a bowl-shaped depression formed medially in said plate 13. As shown in said Fig. 3, a pair of transverse slots 18 are placed in the depressed part 17 while other like slots 16 are placed in said plate at either side of said depression. A strip of flexible absorbent material or textile 19 is threaded through said transverse slots in the manner shown, to position the most of the strip under the plate. A liquid disinfectant deposited in the depression 17 will permeate that part of said strip 19 immersed therein, and conduct it by capillary attraction throughout the strip to its ends. When the plate 13 is in place, air entering the open ends of the structure covered by said plate 13 draws downwardly into the brooder the effluvia of the disinfectant which deodorizes the interior of the brooder and also exerts such a repellant action upon vermin within the brooder or upon fowl penned therein as will drive said vermin from the brooder.

A modification is shown in said Figs. 5 and 6, in which the numeral 20 denotes a reticulated or intersticed hollow body adapted to contain a block of porous solid disinfectant 21. This holder is formed with longitudinal side flanges which are removably seated in the grooves above the turned over parts 14 of the plate 13 so that the block 21 is positioned immediately below the depression 17. The bottom of the depression has a central opening 22 of small size, permitting the liquid contents to drop upon the block 21 to keep it damp so that entering currents of air may carry downwardly its effluvia to act in the manner previously described. Water or other liquid may be deposited in the depression 17 from time to time.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is:

1. In combination, a structure of the character described having an open slideway in its upper portion, and a slide mounted slidably and removably in said slideway having an orificed depression for retaining and moistening by capillarity a porous disinfectant impregnated tape removably placed

therein and extending within said structure.

2. In combination, a structure of the character described, having an open slideway in its roof, and a slide having engaging-means
5 for removably retaining thereagainst a disinfectant impregnated body, and having a

cupped depression in communication with said body to receive and deliver a fluid thereto by capillarity, said body extending 10 into the interior of said structure.

Signed at Waterloo, Iowa, this 7th day of April, 1920.

SAMUEL SILVERS.