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R. L. COFFMAN

2,196,140

INSECT INSULATOR

Filed Dec. 26, 1939

Fig. 1.

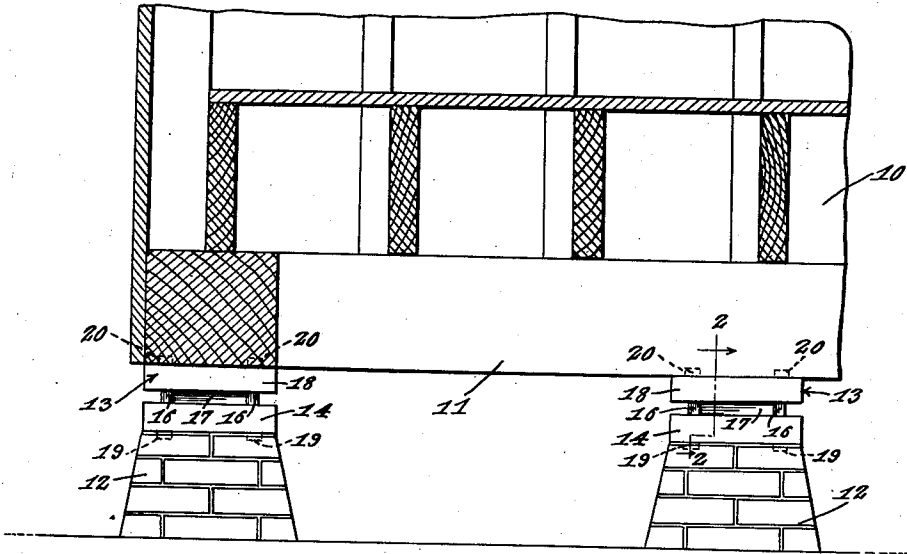


Fig. 2.

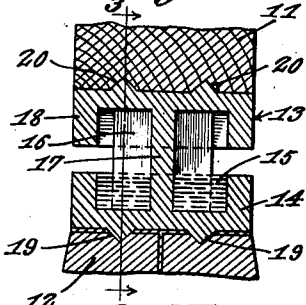


Fig. 3.

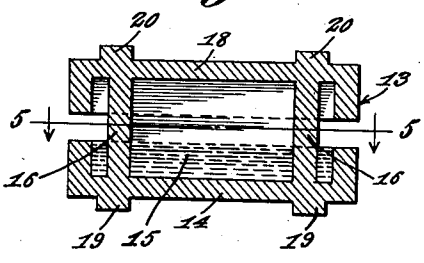


Fig. 4.

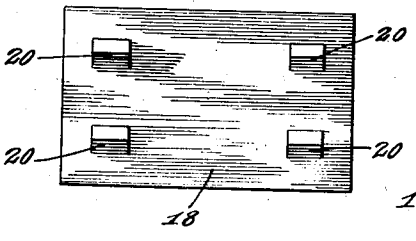
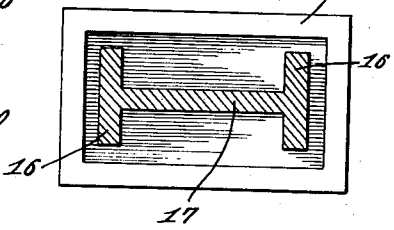


Fig. 5.



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INSECT INSULATOR

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Application December 26, 1939, Serial No. 310,963

2 Claims. (Cl. 72-0.5)

This invention relates to insect insulators and has for an object to provide a simplified device which will frustrate entrance of termites into building foundations and exterminate the termites.

A further object is to provide a building unit preferably formed of metal, such as cast iron, which may be built into the foundation of a building and will provide a moat which may be filled with non-evaporating insecticide, such as oil, for exterminating termites which drop thereinto while attempting to climb the foundations of the building.

A further object is to provide a device of this character which can be formed in a single piece, which will be strong and durable, and which will not easily get out of order.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming a part of this specification:

Figure 1 is a fragmentary cross sectional view of a building equipped with insect insulators constructed in accordance with the invention.

Figure 2 is a detail cross sectional view of one of the insulators taken on the line 2-2 of Figure 1.

Figure 3 is a cross sectional view taken on the line 3-3 of Figure 2.

Figure 4 is a plan view of the insulator.

Figure 5 is a longitudinal sectional view of the insulator taken on the line 5-5 of Figure 3.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, 10 designates a conventional building having wood sills 11 supported by brick foundation walls 12. In carrying out the invention a building unit 13 is adapted to be inserted between the top of the foundation wall and bottom of the sill.

The exterminator 13 comprises a bottom pan 14 adapted to contain a bath of oil 15, or other non-evaporating fluid or disinfectant.

An I-shaped support, including end flanges 16 and a centrally disposed web 17, is formed integral

with the bottom pan. The flanges of the support extend transversely of the bottom pan and the web extends longitudinally of the bottom pan as best shown in Figure 5. The flanges and web are spaced from the side and end walls of the pan. An inverted top pan 18 is formed integral with the support and the support spaces the top pan from the bottom pan.

The bottom pan is provided on its bottom face with sharp lugs 19, best shown in Figure 2. The top plan is provided on the top face with sharp lugs 20. The lugs of the bottom pan are adapted to penetrate the top of the foundation wall 12 and the lugs of the top pan are adapted to penetrate the bottom wood sill 11 and support the building unit as a unitary rigid structure forming a building unit in the building construction.

The exterminator is preferably cast in one piece to reduce the expense of manufacture and is sufficiently sturdy to withstand the weight of the building structure to be supported, without being crushed.

During travel upward upon the foundation wall 12 termites will encounter the gap between the upper and lower pans and advance along the rim of the lower pan to eventually drop into the exterminating bath in the pan 15.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

1. A combined building unit and insect insulator comprising a bottom pan adapted to contain a liquid bath, an upright support carried by the pan and spaced from the inner surface of the side and end wall of the pan, and an inverted top pan mounted upon the support and spaced by the support from the bottom pan to provide a gap between the pans.

2. A combined building unit and insect insulator comprising a bottom pan adapted to contain non-evaporating liquid, and a support of I-shaped longitudinal section including flanges and a web extending upright from the bottom pan, and an inverted top pan carried by the support and spaced from the bottom pan by the support to provide a gap between the pans.

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