March 21, 1944. D. A. MULLER 2,344,782

PIER

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Fig. 1

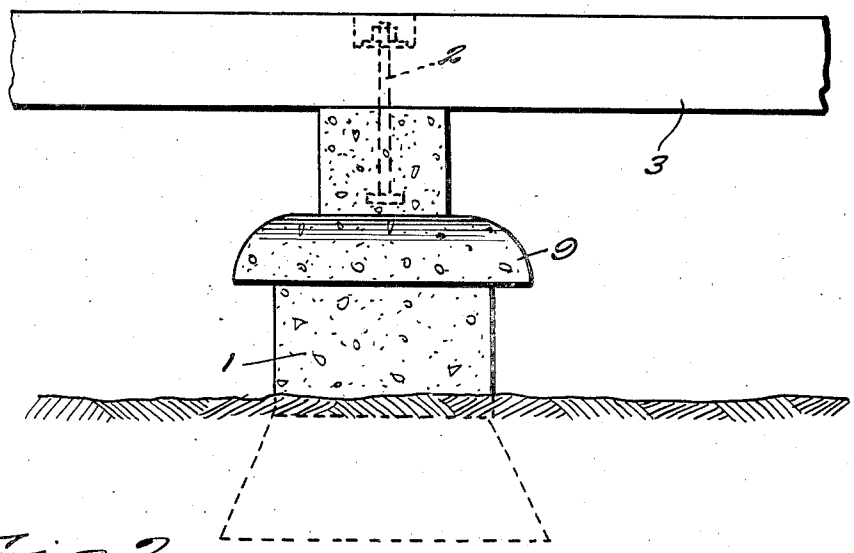
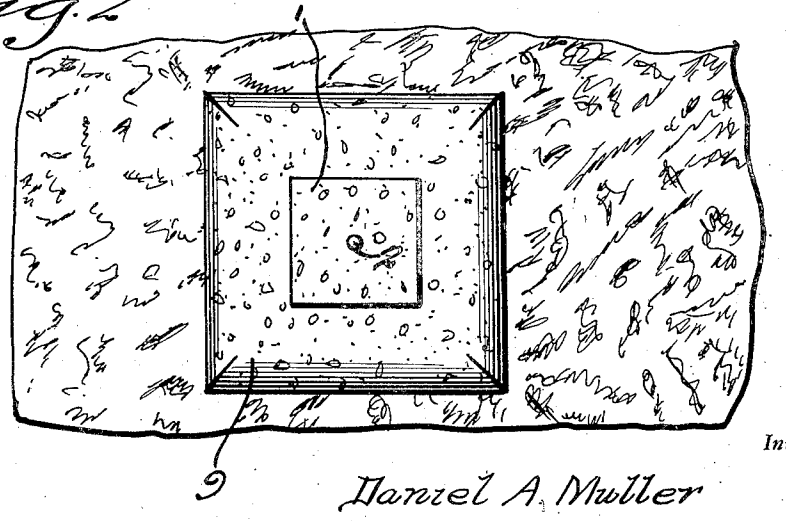


Fig. 2



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Fig. 3.

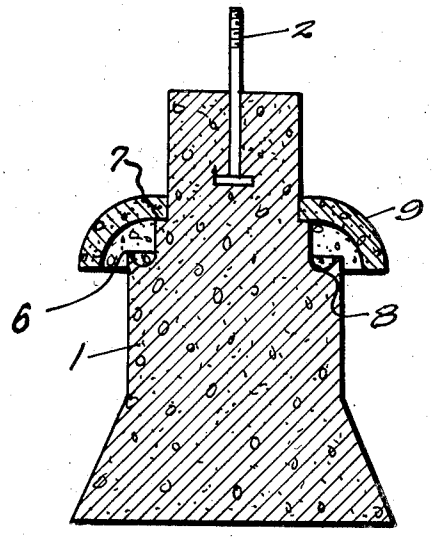


Fig. 4.

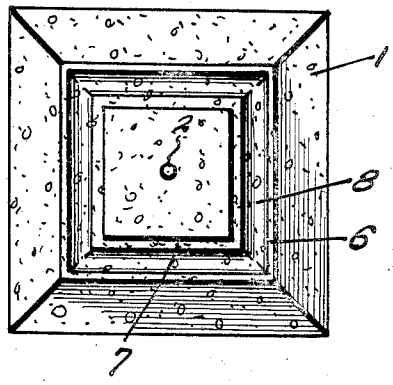


Fig. 5

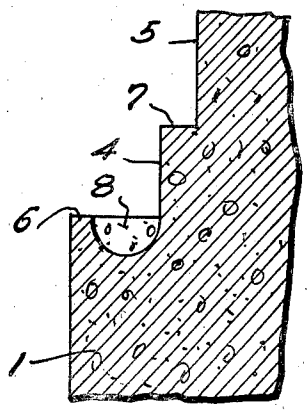
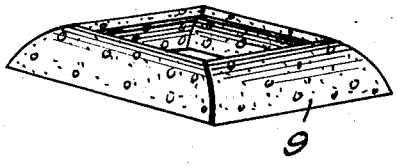


Fig. 6.



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Patented Mar. 21, 1944

2,344,782

UNITED STATES PATENT OFFICE

2,344,782

PIER

Daniel A. Muller, Donna, Tex.

Application October 24, 1942, Serial No. 463,223

1 Claim. (Cl. 43—131)

The present invention relates to new and useful improvements in piers, and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character comprising a novel construction and arrangement for positively preventing termites and other crawling insects from getting into a wooden building or other structure erected on the pier.

Other objects of the invention are to provide a pier of the aforementioned character which will be comparatively simple in construction, strong, durable, reliable in use, and which may be produced at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a view in side elevation of a pier constructed in accordance with the present invention showing a sill bolted thereon.

Figure 2 is a top plan view of the pier.

Figure 3 is a view in vertical section through the pier.

Figure 4 is a top plan view with the hood or shield omitted.

Figure 5 is a fragmentary view in vertical section through an intermediate portion of the post.

Figure 6 is a detail view in perspective of the hood or shield.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a precast concrete post 1 of suitable dimensions, said post being substantially square. Anchored in the upper portion of the post 1 and rising therefrom is a bolt 2 for securing a sill 3 or the like to said post.

At intermediate points, the post 1 comprises successive reductions 4 and 5 providing horizontal steps or shoulders 6 and 7. The shoulder 6 has formed therein a continuous trough 8 for the reception of a suitable insecticide.

Enclosing the post 1 and resting on the upper shoulder 7 is a precast concrete hood or shield 9. As illustrated to advantage in Figure 3 of the drawings, the shield 9 extends outwardly and downwardly below the horizontal plane of the shoulder 6 in spaced relation to the faces of the post 1.

It is thought that the manner in which the invention functions will be readily apparent from a consideration of the foregoing. Of course, the shield 9 is slipped on the post 1 before the building or other structure to be erected is mounted thereon. A suitable insecticide is placed in the trough 8 to the desired level and the shield 9 is lowered. This shield 9 rests loosely on the shoulder 7 in order that it may be conveniently raised whereby the insecticide may be replenished when necessary. The shield 9 prevents dirt, rain, et cetera, from getting into the trough 8 and the insecticide therein. This shield also constitutes a fire stop in the event of ignition of the insecticide in the trough 8.

It is believed that the many advantages of a pier constructed in accordance with the present invention will be readily understood, and although a preferred embodiment is as illustrated and described, it is to be understood that modifications and changes in the details of construction may be had which will fall within the scope of the invention as claimed.

What is claimed is:

A pier of the character described comprising a substantially square concrete post including a stepped upper portion providing horizontal upper and lower shoulders at intermediate points, the lower shoulder having a continuous trough therein for the reception of an insecticide, and a concrete shield enclosing the post and resting on the upper shoulder, said shield extending outwardly and downwardly below the horizontal plane of the lower shoulder and in spaced relation to the faces of the post.

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