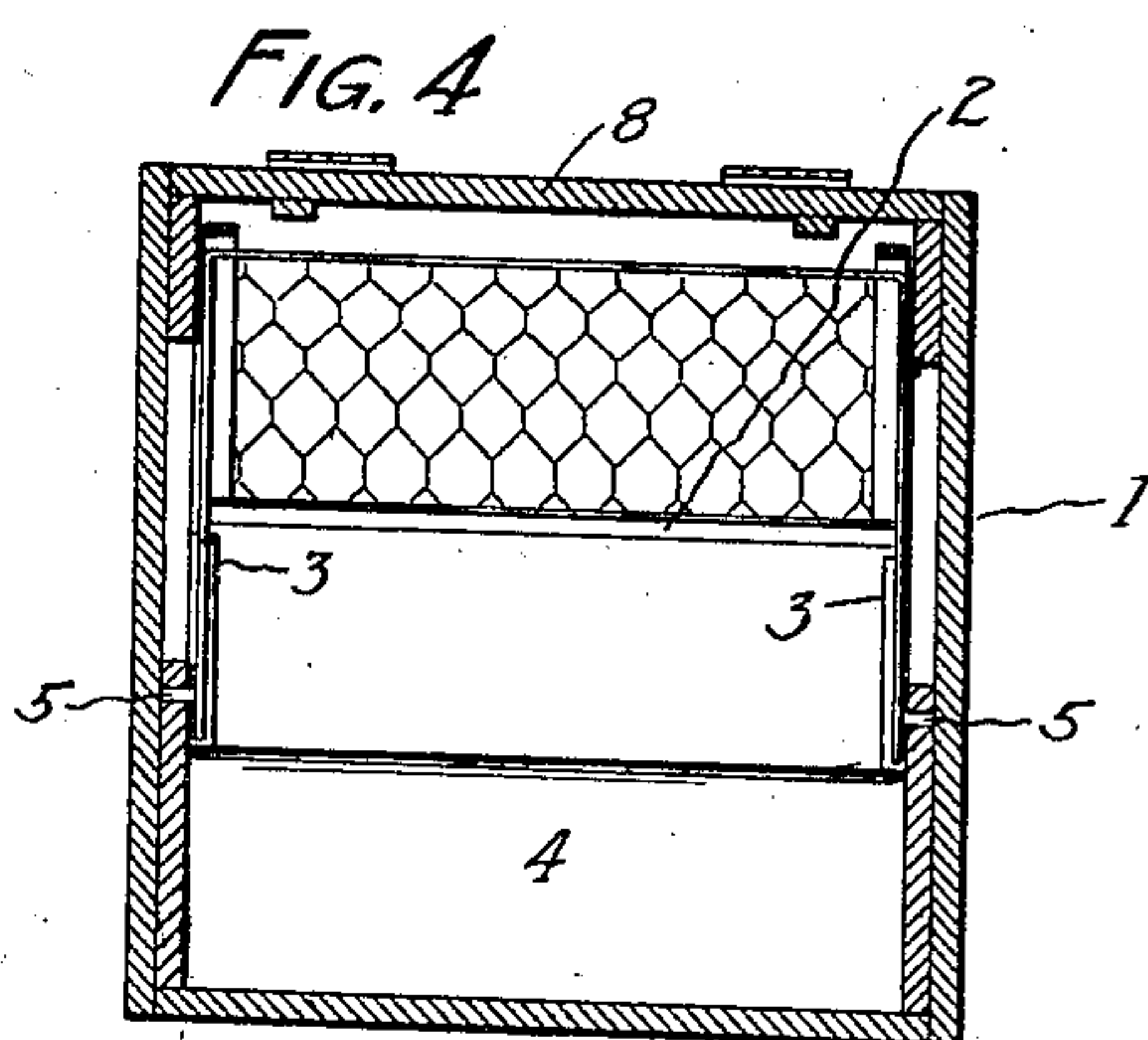
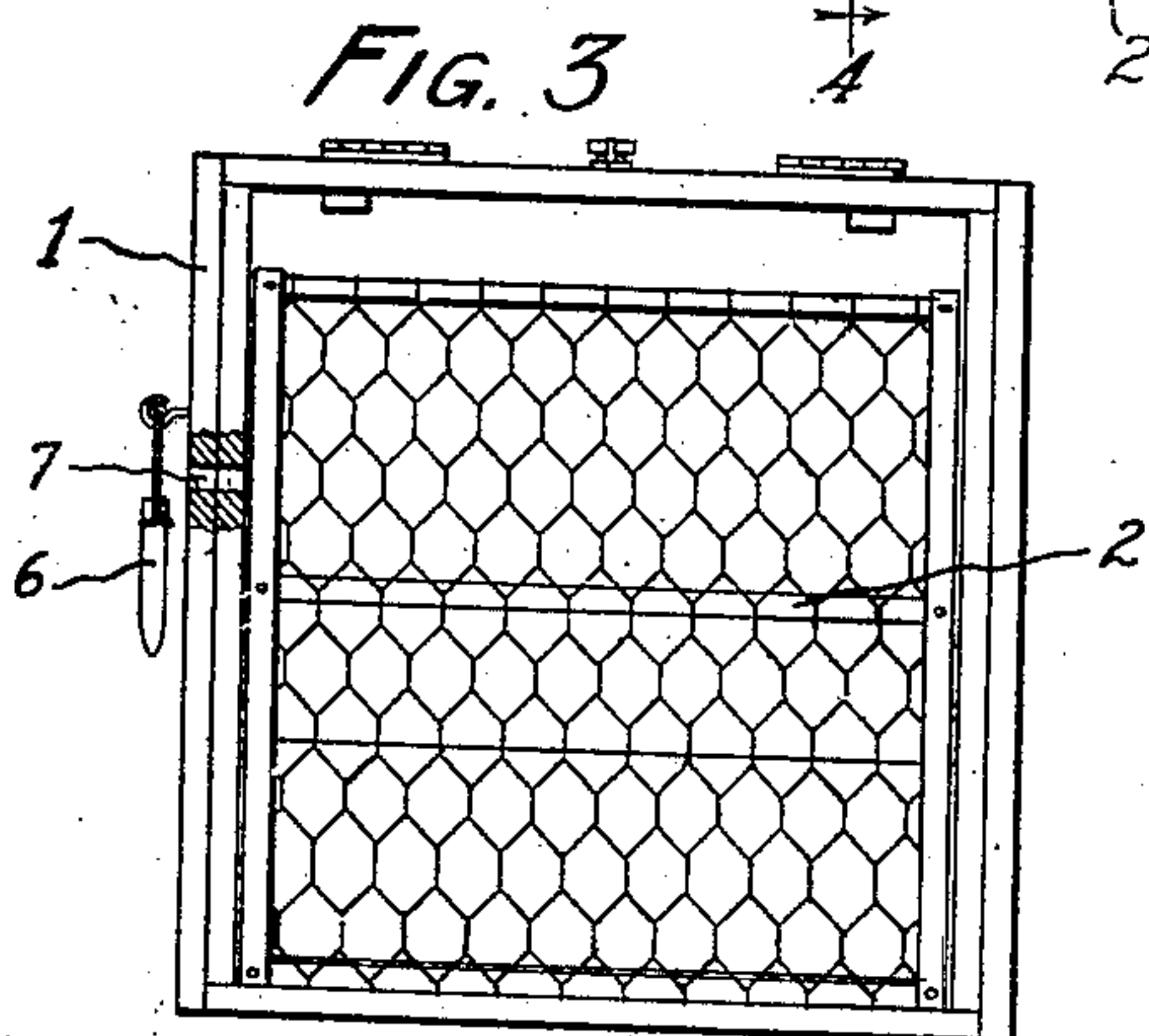
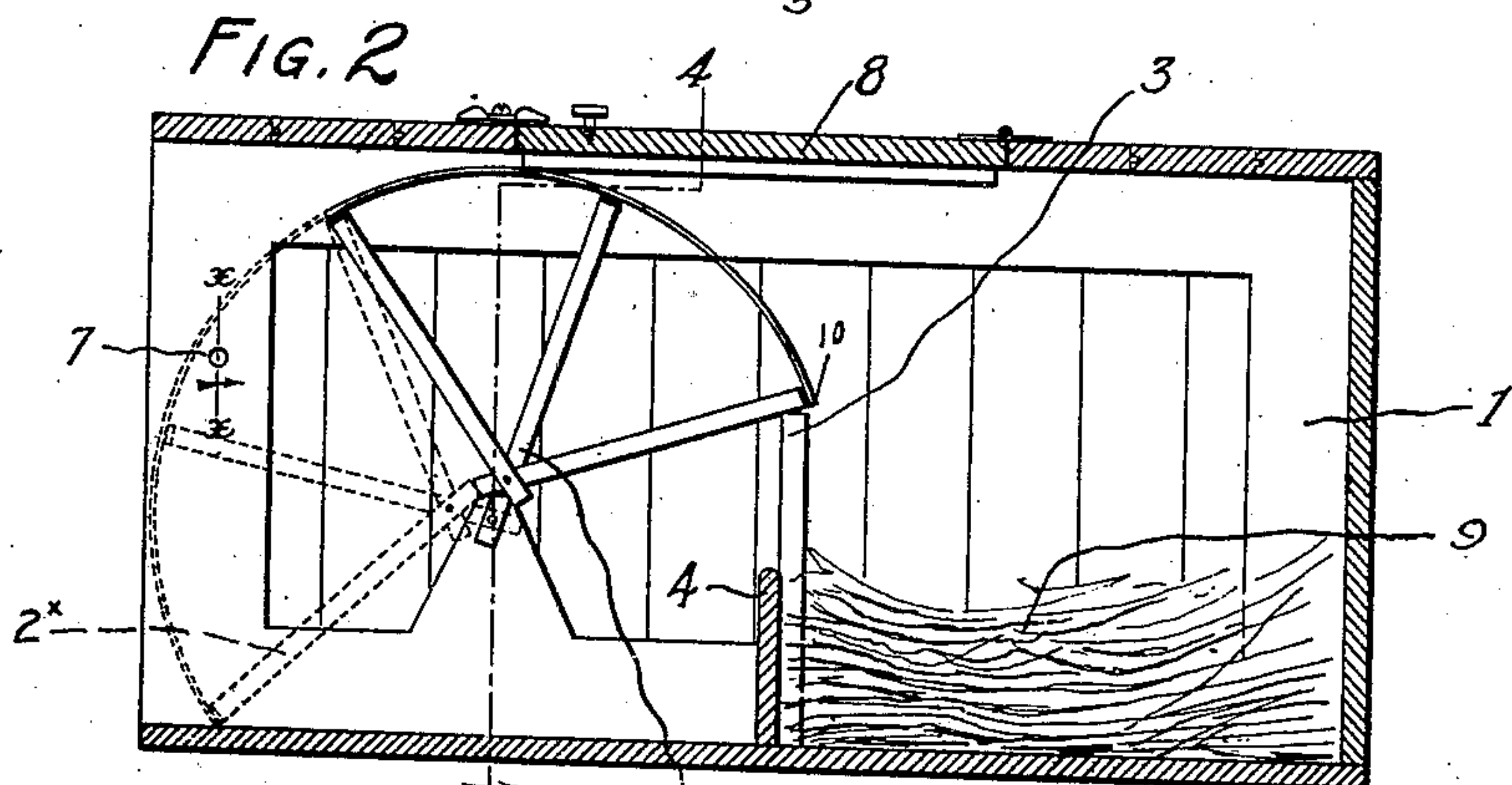
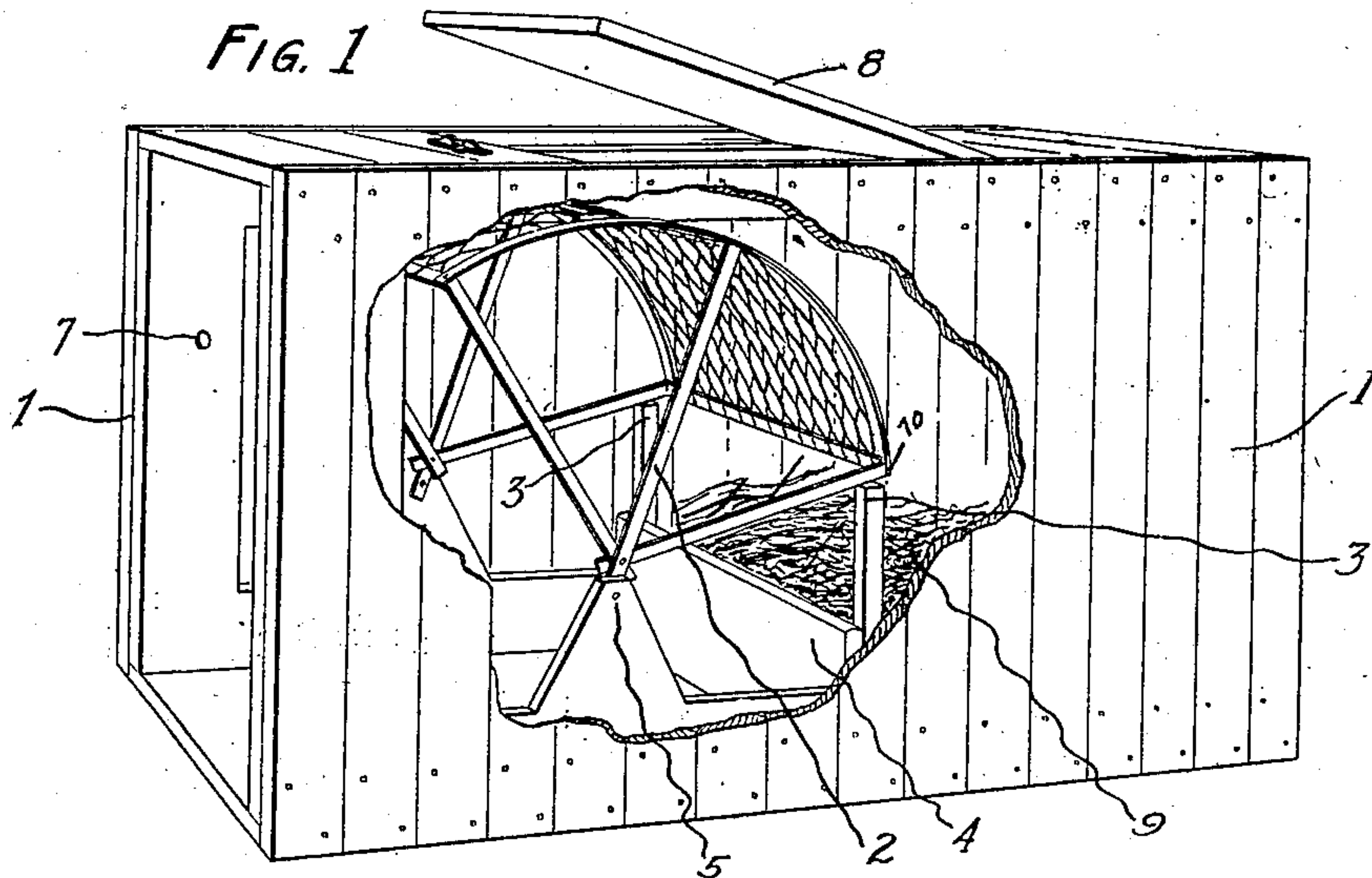


No. 890,649.

PATENTED JUNE 16, 1908.

W. S. HILL.  
TRAP NEST.

APPLICATION FILED APR. 2, 1907.



WITNESSES,

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ATTY.



# UNITED STATES PATENT OFFICE.

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## TRAP-NEST.

No. 890,649.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed April 2, 1907. Serial No. 365,960½.

*To all whom it may concern:*

Be it known that I, WARREN S. HILL, a citizen of the United States, residing in Hyde Park, county of Norfolk, and State of Massachusetts, have invented a new and useful Improvement in Trap-Nests, of which the following is a full, clear, and exact description, reference being had to the drawings, forming a part of this specification, in explaining its nature.

My invention relates to trap nests in which the occupant, after entering the nest-box, to lay, is impounded until she is released by her keeper or attendant.

To accomplish the purpose of my invention, I have provided a nesting-box with a segmental tilting shield, or guard, pivoted at the center of its partial rotation, and having its inner edge resting in a position where a hen or other fowl on entering the nest where she is to lay her egg, will raise the said inner edge enough to tilt the shield over its center and it will drop to its opposite position and close the entrance opening.

In the accompanying drawings, Figure 1 is a perspective view with the side of the box broken away to show the interior parts in their position for the hen to enter the nest. Fig. 2 is a longitudinal section of same, and Fig. 3 is a front elevation with the shield in the position of closed. Fig. 4 is a cross section on line 4—4 of Fig. 2.

The box or housing 1, is approximately double the length of its cross section; the tilting device 2, is pivoted at 5, or practically one-half its radial diameter from the front of the box 1. This shield may consist of a frame composed of three rods each having the form of three sides of a rectangle, these intersecting one another at their free ends and, being there fastened together. The center rod at each side is preferably provided with an opening to receive the screws or other members furnishing the pivots 5. At their outer portion the rods are joined by curved bands 5', here shown as two in number, these serving as spacers and giving an arc-shaped surface which is covered with netting. A cross piece 4, at a position to be practically under the inner edge of the tilting device 2, forms the front of the nest proper; posts 3, support the shield 2 at a point that will permit the entrance of the head and neck of the hen, but will be raised on the passage of her body sufficient to cause the shield 2 to

tilt, in the opposite direction, to the position of closing the entrance to the box 1, as shown in dotted lines in Fig. 2, and thereby imprison the occupant until she is released by outside assistance. A hinged or loose cover 8, in the top of the box 1, provides access to the nest. A pin 6 inserted in the hole 7, will limit the drop of the shield 2, and permit the nest 9, to be used without the impounding feature, thus permitting of it being used for ordinary nesting, when so desired.

The operation of my invention consists of raising the front edge of the tilting device 2, to the point where its inner edge 10, will rest on the supports 3, thereby opening the entrance to the box 1; this will remain open until the hen in passing into the nest will raise the edge 10, sufficient to cause the center of gravity of the shield 2, to pass the center of its axis 5, when it will drop to the position of closed, as shown in Fig. 3.

I have described my invention as being used for hens only, but it is clearly apparent that it may be used for any other species of fowls or animals to which it is adapted.

What I claim is:

1. A trap-nest comprising a box provided with an opening, arms pivoted adjacent to said opening, and a closure for the opening, said closure being mounted on the arms at points removed from the pivots and having opposite edges alternately movable toward the bottom of the box.

2. A trap-nest having a nest-compartment provided with an entrance, a pivoted closure for the entrance, said closure being adapted to swing over the pivotal axis and to be held by gravity in its open and closed positions, and means for locking the closure in the open position.

3. The combination with a nest-box provided with an entrance, of a movable member adapted under the action of gravity, both to maintain the entrance open to admit a fowl and closed to prevent its exit.

4. The combination with a nest-box provided with an entrance, of a movable member adapted under the action of gravity both to maintain the entrance open to admit a fowl, and closed to prevent its exit, and means for positively securing the member against movement.

5. A trap-nest having a nest-compartment, a runway leading thereto, and a guard mounted to swing longitudinally of the run-

way and to move it into close proximity therewith at its outer portion, and means for holding the inner portion of the guard spaced from said runway to furnish an entrance to  
5 the nest-compartment and in a position to contact with an entering fowl.

6. The combination with a nest-box having an entrance-opening, of an arc-shaped guard, converging arms upon which the  
10 guard is mounted, and means for pivotally supporting the arms at their intersections in proximity to the entrance opening.

7. The combination with a nest-box having an entrance-opening, of a guard mounted to swing about an axis in front of said entrance-opening and in thus swinging to shift  
15 its center of gravity to opposite sides of a vertical plane through the axis.

In testimony whereof, I affix my signature in presence of two witnesses.

WARREN S. HILL.

Witnesses:

SETH B. WETHERBEE,  
HERBERT A. STEVENS.