J. HALLAR.

HEN'S NEST.

APPLICATION FILED MAY 25, 1908.

917,862.

Patented Apr. 13, 1909.

2 SHEETS—SHEET 1.

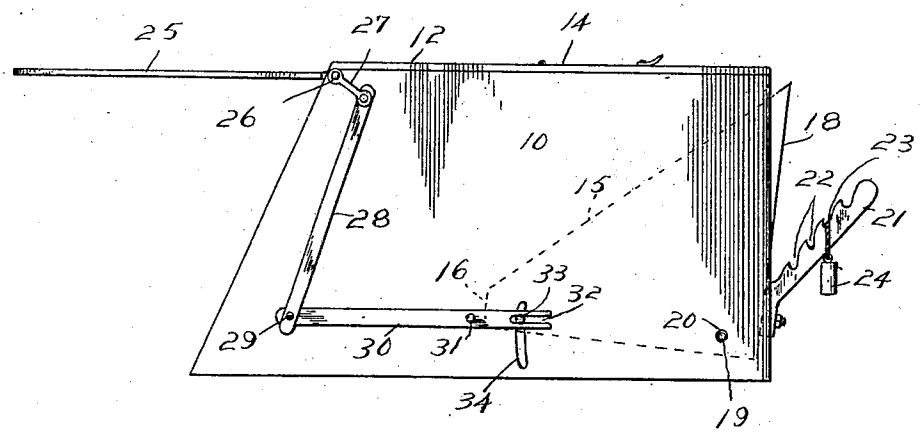

Fig. 1

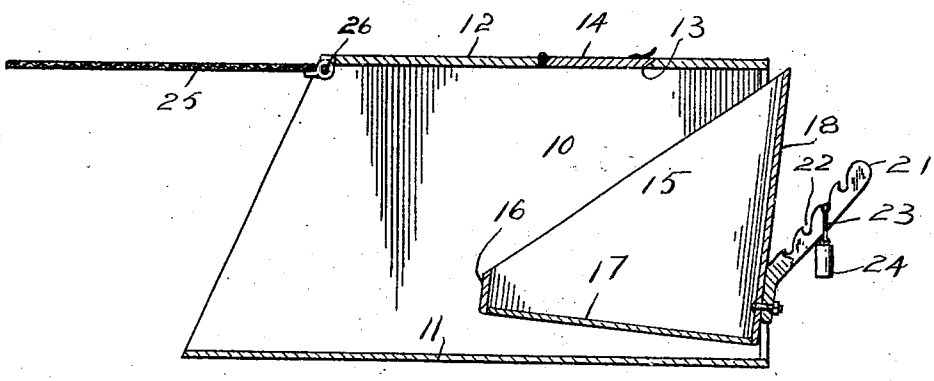

Fig. 2

Witnesses

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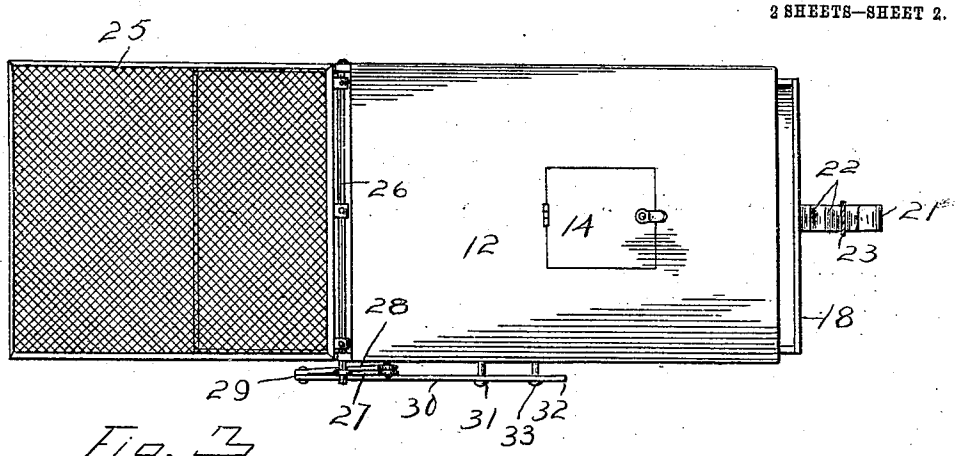

Fig. 3.

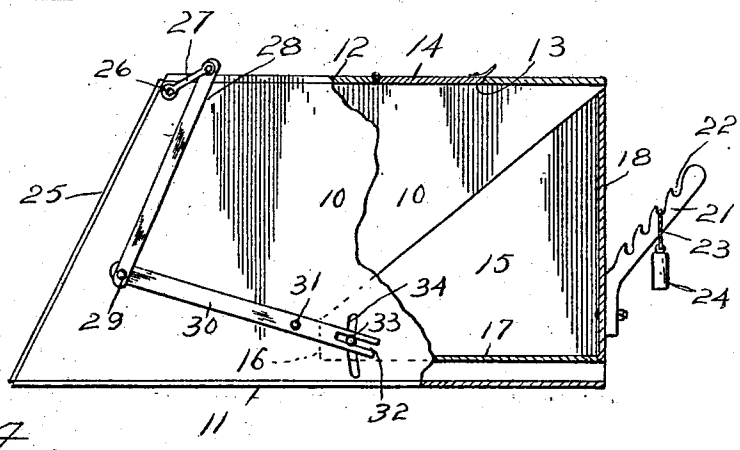

Fig. 4.

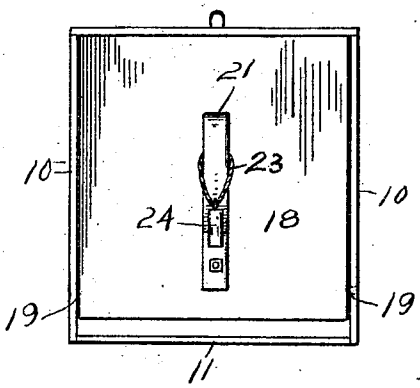

Fig. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

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HEN'S NEST.

No. 917,862. Specification of Letters Patent. Patented April 13, 1909.

Application filed May 25, 1908. Serial No. 434,792.

To all whom it may concern:

Be it known that I, JOHN HALLAR, a citizen of the United States, residing at Mulberry, in the county of Clinton, State of Indiana, have invented certain new and useful Improvements in Hens' Nests; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to nests and more particularly to that class which have as their object the provision of a nest for hens which is so constructed and arranged as to prevent a hen within a nest being annoyed by other hens.

As is usual in nests of this character, I provide a box, a pivoted nest container within the box, a door hinged at one end of the box, and connections between the door and the container for the nest whereby tilting of the latter will result in swinging of the former to closed position and the novelty in my invention resides in the simple connection which I have provided between the door and the said container, I having aimed to simplify such connections and at the same time render the device more sensitive and less liable to get out of order.

In the accompanying drawings, Figure 1 is a side elevation of the nest embodied in my invention, Fig. 2 is a vertical longitudinal sectional view, Fig. 3 is a top plan view of the top thereof, Fig. 4 is a view similar to Fig. 1 but partly in section showing the nest container tilted to move the door in closed position, and—Fig. 5 is a rear elevation.

As clearly shown in the drawings, the nest embodying my invention comprises a box the sides of which are indicated by the numeral 10, the bottom by the numeral 11, and the top by the numeral 12, said top being provided with an opening 13, which is normally closed by means of a door 14, which is hinged at one edge of the opening and may be raised to admit of the eggs being removed from the interior of the box. As heretofore mentioned, the nest embodies in addition to the box a nest container, and this container is made up of sides 15, a front side 16, a floor 17, and a back 18, the said sides being provided each with a stud pivot 19, which is engaged in a suitable bearing opening 20, formed in the corresponding side 10, of the box of the nest. The upper edges of the side 15, of the nest container are inclined downwardly from the rear wall 18 to the front wall 16, as is clearly shown in the vertical longitudinal sectional view of the drawings so that the container is of a less height at its forward end than at its rear end it being understood that the rear end or rear wall 18, of the said container acts normally as a closure for the rear end of the box. The pivot studs 19, for the nest container are located rearwardly of the transverse middle of the container, and secured to the rear wall 18, of the container is an arm 21 which projects rearwardly and upwardly and is formed in its upper edge with a number of notches 22, in which the loop 23, of a counterbalance weight 24, may be engaged interchangeably.

It will be understood of course that the counter-balancing weight 24, serves to normally hold the nest container tilted with the forward end of its floor 17, in a plane above the rear end of the said floor it being well understood furthermore that upon a hen stepping upon the nest within the container, the forward end thereof will be swung downwardly upon the stud pivot 19.

A door 25, preferably of wire mesh material, is hinged at its upper edge by means of a rod 26, to the forward edge of the top 12, of the box of the nest, and fixed upon the said rod at one end thereof is a short arm 27, to the extremity of which is pivoted the upper end of a connecting bar 28, the lower end of the bar being pivoted as at 29, to the forward end of a rocking bar or arm 30. The arm 27, the connecting bar 28, and the rocking arm 30 are all located outwardly of the box and the rocking bar is pivoted for rocking movement as at 31, upon one side 10 of the box, the rear extremity of the said arm being bifurcated as at 32, to receive a pin or stud 33, which is fixed upon the corresponding side 15 of the nest container within the box, and which works through an arcuate slot 34, formed in the side 10, of the box.

From the foregoing description of my invention it will be seen that the weight 24, acts to normally hold the nest container with its forward end elevated and consequently the door 25, is held normally raised or in open position so as to permit the entrance of a hen into the box and nest. The entrance of a hen into the nest will serve to tilt the nest container, its forward end swinging

downwardly and this tilting movement of the container will result in the rear end of the arm being swung downwardly and its upper end upwardly, the movement of the forward end of the said arm serving to push upwardly upon the connecting bar 28, and rock the arm 27 in an upward direction thereby lowering or closing the door 25, and preventing the entrance of other hens in the nest as long as the first hen is upon the same.

What is claimed is:—

1. A nest comprising a box having a slot in one of its walls, a pivoted receptacle in the box, means acting normally to tilt one end of the receptacle upwardly, a door hinged to the box, a rocking bar mounted on the box, a pin projecting from the receptacle, said pin working in the aforesaid slot, and being operatively connected to the rocking arm, an arm secured to the door, and a connection between said arm and the rocking arm.

2. A nest comprising a box having a slot in one of its walls, a pivoted receptacle in the box, means acting normally to tilt one end of the receptacle upwardly, a door hinged to the box, a rocking bar mounted on the box, a pin projecting from the receptacle, said pin working in the aforesaid slot, and being operatively connected to the rocking arm, and a connection between said rocking arm and the door for operating the latter when the receptacle is tilted.

3. A nest of the class described comprising a box having a slot in one of its walls, a pivoted nest container arranged within the box, means acting normally to tilt the forward end of the nest container upwardly, a door hinged at the forward end of the box, a rocking bar mounted upon one side of the box, a pin upon one side of the nest container, said pin working through the aforesaid slot in that side of the box upon which the rocking bar is mounted and being operatively engaged with the rocking arm, an arm secured to the corresponding side of the door, and a bar connecting the said arm and the rocking bar.

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

JOHN HALLAR.

Witnesses:

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ELLIS R. THOMAS.