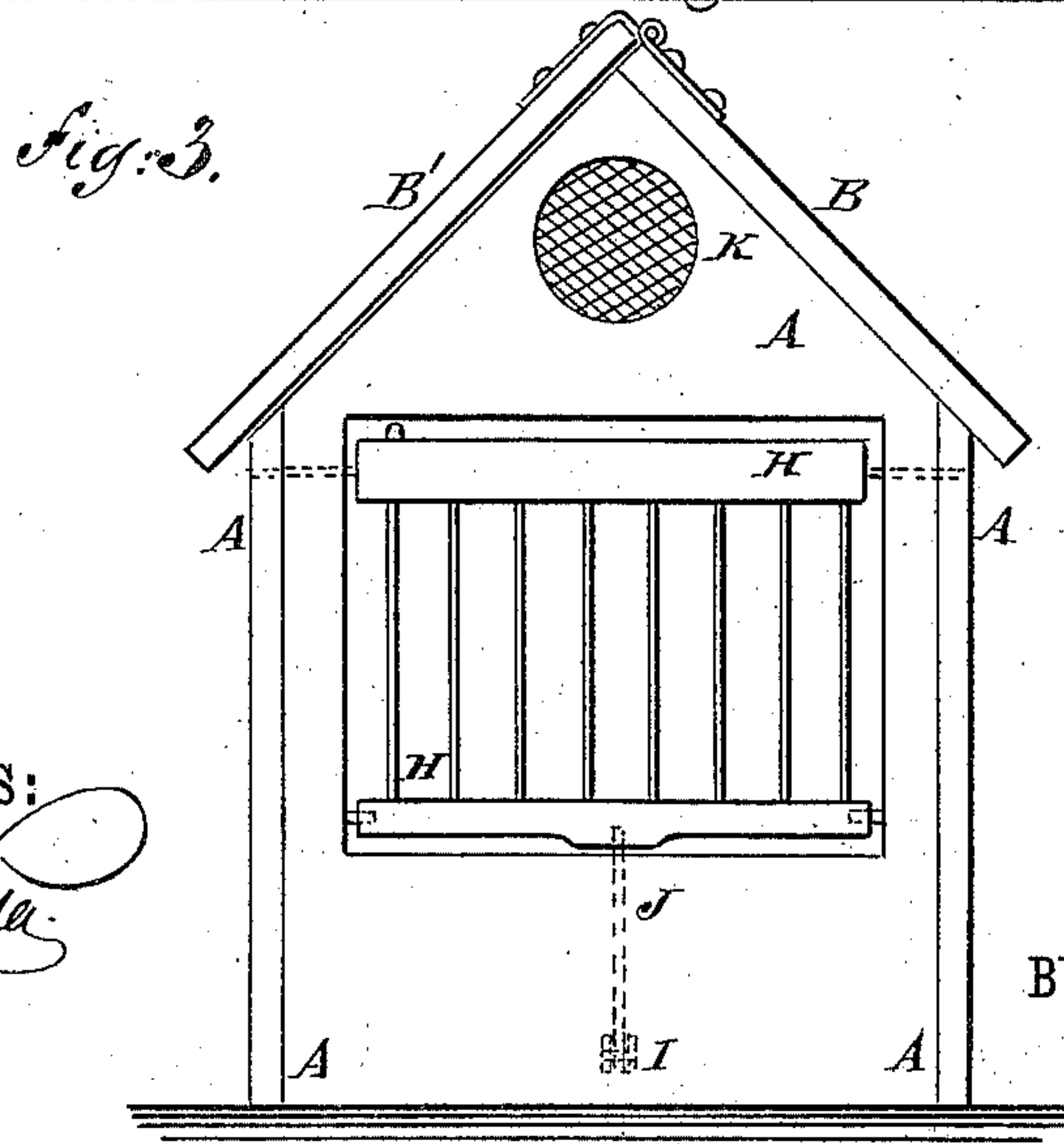
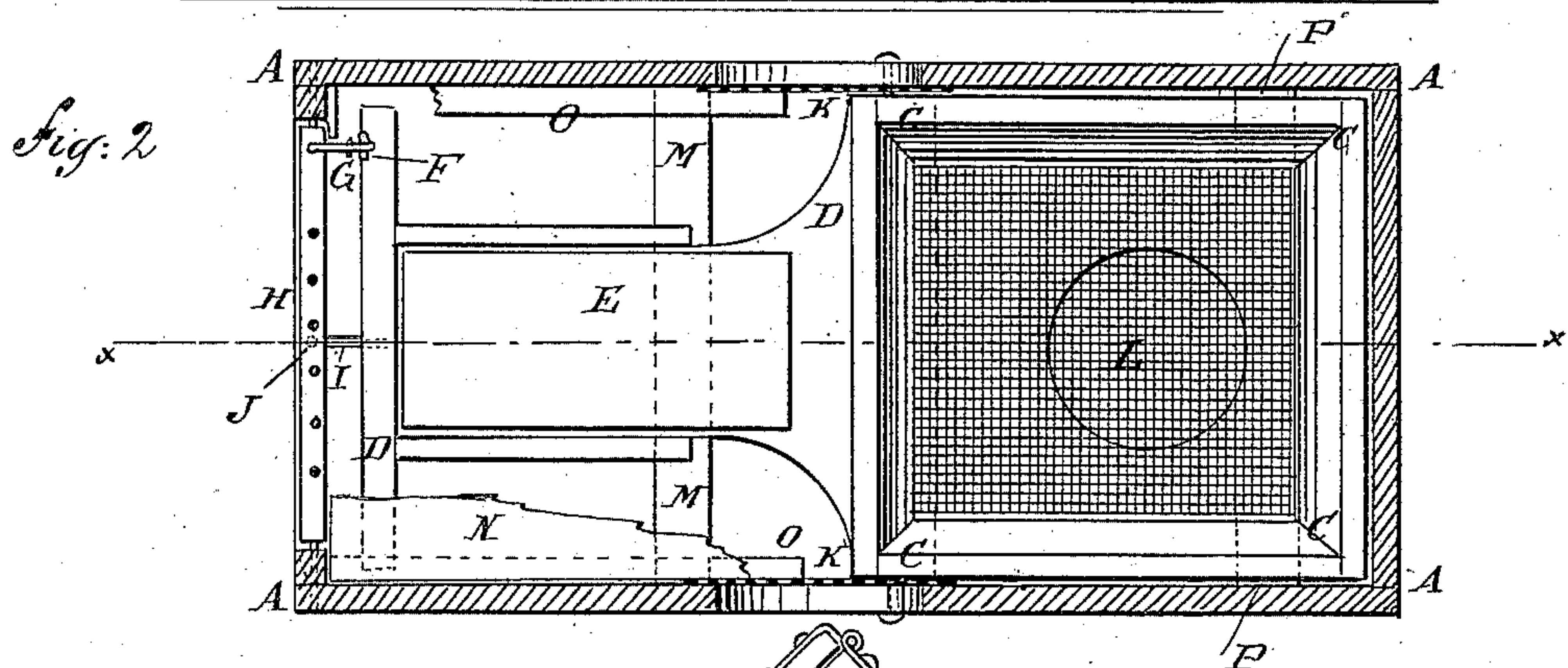
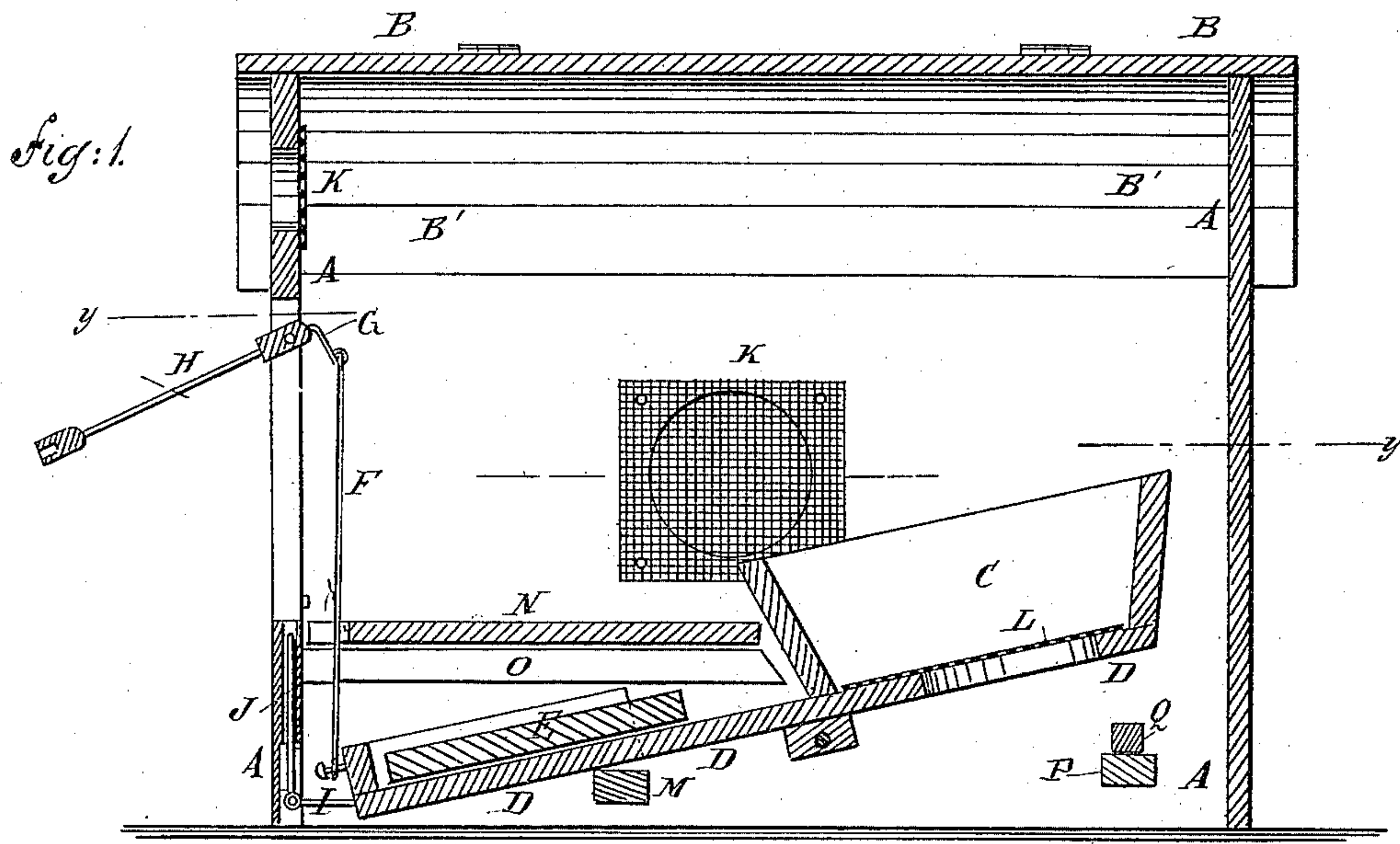


(No Model.)

W. Z. ALLEN.  
NEST BOX FOR FOWLS.

No. 299,315.

Patented May 27, 1884.



WITNESSES:

*Chas. Viola*  
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INVENTOR:

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# UNITED STATES PATENT OFFICE.

WILLIAM ZENO ALLEN, OF MONROVIA, INDIANA.

## NEST-BOX FOR FOWLS.

SPECIFICATION forming part of Letters Patent No. 299,315, dated May 27, 1884.

Application filed December 8, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM ZENO ALLEN, of Monrovia, in the county of Morgan and State of Indiana, have invented a new and  
5 useful Improvement in Nest-Boxes for Fowls, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification,  
10 in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of my improvement, taken through the line *x x*, Fig. 2. Fig. 2 is a sectional plan view of the same,  
15 taken through the broken line *y y*, Fig. 1. Fig. 3 is a front elevation of the same.

The object of this invention is to prevent hens while on their nests from being annoyed by other hens, or by rats, weasels, or other  
20 animals; and to this end the invention consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

A represents a box of suitable size, and  
25 which is provided with a V or other shaped roof. One part, B', of the roof is hinged to the other part, B, so that the said hinged part can be opened as a door to give access to the nest.

30 C is the nest, which is made in the form of a shallow box, and is attached to the rear end of a board or frame, D. The board D is pivoted at its middle part to the sides of the box A, and to its forward end is attached a weight,  
35 E, of such a gravity as to slightly overbalance the nest C, so that the said forward end will be down when the hen is off the nest, and will be raised when the hen is on the nest.

To the forward end of the board D, or to a  
40 cross-bar attached to the said end, is pivoted the lower end of a connecting-rod, F, the upper end of which is pivoted to a short inwardly-projecting arm, G, attached to the upper edge of the door H, placed in an opening  
45 in the forward end of the box A, and hinged at its upper corners to the said end of the box, so that the door H will be opened by the downward movement of the forward end of the board D, and will be closed by the upward  
50 movement of the said end.

To the forward end of the board D is attached an arm, I, to the forward end of which is pivoted the lower end of a rod or bolt, J. The rod or bolt J passes up through a perforation in the lower part of the forward end of  
55 the box A, so as to enter a perforation in the lower edge of the door H when the said door is shut, the said bolt J being operated by the movements of the forward end of the board D.

The door H is made of slats or rods attached to a frame, so that the hens can see in and out through it, and to secure a free circulation of air. To further secure a free ventilation,  
60 openings are formed in the sides and the upper part of the forward end of the box A, which openings are covered with wire-gauze K. In the bottom of the nest C is formed an opening covered with wire-gauze, L, to secure  
65 a circulation of air through the nest.

The box A is made without a bottom, to allow the moisture necessary for the successful hatching of the eggs to enter freely.

The downward movement of the forward end of the board D is limited by a cross-bar, M, attached to the sides of the box A. The forward part of the board D and the weight  
75 E are covered by a platform, N, which rests upon cleats O, attached to the sides of the box A, so that the hen in entering and leaving the  
80 nest will not have to walk over a moving support.

If desired, the weight E may be replaced by an equivalent spring.

The downward movement of the rear end  
85 of the board D is limited by a cross-bar, P, attached to the sides of the box A, and provided with rubber stops 2, to prevent the eggs being jarred.

Having thus fully described my invention,  
90 I claim as new and desire to secure by Letters Patent—

1. In a nest-box, the combination, with a hinge-door, of a balanced nest connected to and operating said door, and a vertically-sliding  
95 locking-bolt connected to and operated by said nest, substantially as herein shown and described.

2. In a nest-box, the combination, with the box A, provided with the platform N, of the  
100

balancing-board D, provided with the nest C, the hinged door H, the arm G, the connecting-rod F, and the locking-bolt J, substantially as herein shown and described.

- 5 3. In a nest-box, the combination, with the balancing-board D and the hinged door H, of the arm I and the bolt J, substantially as

herein shown and described, whereby the said door will be fastened and released by the movements of the said board, as set forth.

WILLIAM ZENO ALLEN.

Witnesses:

JOHN M. DAVIS,  
URIAH BALLARD.