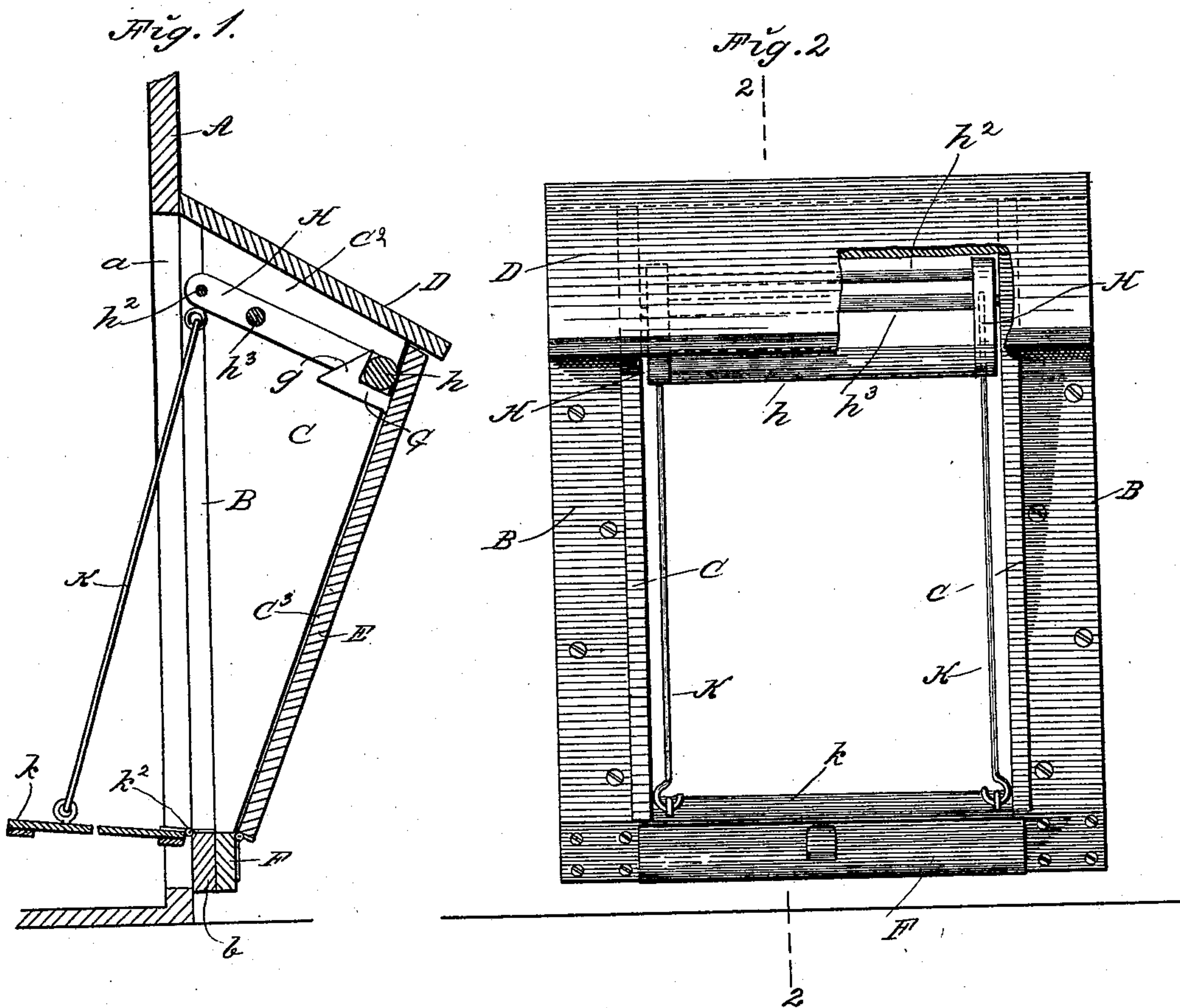


(No Model.)

T. N. BANNER.
DOOR FOR POULTRY HOUSES.

No. 589,111.

Patented Aug. 31, 1897.



WITNESS:

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UNITED STATES PATENT OFFICE.

THOMAS NEWTON BANNER, OF HOBE SOUND, FLORIDA.

DOOR FOR POULTRY-HOUSES.

SPECIFICATION forming part of Letters Patent No. 589,111, dated August 31, 1897.

Application filed May 13, 1896. Serial No. 591,390. (No model.)

To all whom it may concern:

Be it known that I, THOMAS NEWTON BANNER, a citizen of the United States, and a resident of Hobe Sound, in the county of Dade and State of Florida, have invented certain new and useful Improvements in Doors for Poultry-Houses, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to poultry-houses such as are usually provided for housing chickens and other poultry; and the object thereof is to provide an improved door for this class of structures which is adapted to be operated or opened by the poultry or the occupants of the house, a further object being to provide a device of this class in which the door is held in a closed position by a lever which is pivotally connected with a platform on which the poultry will step or light when descending from the roost or roosts in the morning and by means of which the door will be opened, so that the poultry can escape from the house.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a central vertical section of my improved door, showing also a portion of the poultry-house; and Fig. 2, a front view of the door and the frame thereof.

In the drawings forming part of this specification, A represents one of the side walls of a poultry-house, and formed therein is an opening *a*, which is preferably rectangular in form and which may be of any desired shape, and in the practice of my invention I provide a door and frame, the frame consisting of side pieces B and a transverse bottom piece *b*, the side pieces B and the transverse bottom piece *b* being adapted to be secured to the wall A, and said side pieces B are provided with triangular outwardly-directed plates or boards C, the upper ends of which are downwardly and outwardly inclined, as shown at *C*², and the outer sides of which are downwardly and backwardly inclined, as shown at *C*³, and I also provide a cap or cover D, which is secured to the outwardly-directed side plates or boards C and which serve as a cover for the frame of

the door and also for the door and the operative mechanism connected therewith. I also provide a door E, which is hinged to a cross-plate F, which is secured to the transverse plate of the door-frame, and said door is provided at each side and on the inner surface thereof and near the top of the door with inwardly-directed arms G, having upwardly-directed shoulders or projections *g*, and pivotally connected with each of the side plates or boards C are levers H, which are connected at their outer ends by a cross-rod *h* and at their inner ends by another rod *h*², and the rod *h*³, which forms the pivotal support or fulcrum for said levers H, also extends transversely between said plates or boards C.

Pivotally connected with the inner upper ends of each of the levers H is a rod K, said rods K being carried downwardly and pivotally connected with a platform *k*, which is hinged to the transverse plate *b* of the door-frame at *k*².

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings and the following statement thereof.

The construction, combination, and arrangement of parts are such that when a chicken or other fowl steps upon the platform the inner ends of the levers H will be pulled downwardly, thus freeing the rod *h* from the upwardly-directed shoulders or projections *g* of the arms G, and the door E will drop outwardly, as will be readily understood, and the fowls may thus leave the house.

It will be understood that the door is closed at night after the fowls have gone into the house; and the object of my invention is to provide means whereby the door of the fowl-house may be automatically opened early in the morning, thus enabling fowls to forage as early as necessary or as early as they desire to do so.

It is apparent that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages.

The plate F to which the door is hinged may be omitted, if desired, and the door hinged directly to the transverse plate *b* of the door-frame, and the plates B and the transverse plate *b* may also be omitted, and the side

boards C may be secured directly to the wall of the house, as may also the cap or cover D.

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

The herein-described door for poultry-houses, comprising the combination with a door-frame of triangular plates C, inclined as shown at C², the outer sides being inclined as
10 shown at C³, a cap or cover D, a door E, hinged to a cross-plate F which is secured to a transverse plate b, said door being provided with arms G, having projections g, levers H, pivotally connected with said plate C, said levers

being connected with cross-rods h² and h³, 15 said levers H, being provided with a pivoted rod K, which is pivotally connected with a platform k, which is hinged to the door-frame at k², substantially as and for the purpose described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 30th day of April, 1896.

THOMAS NEWTON BANNER.

Witnesses:

CHARLES C. CHILLINGWORTH,
GEORGE G. CURRIE.