

No. 752,765.

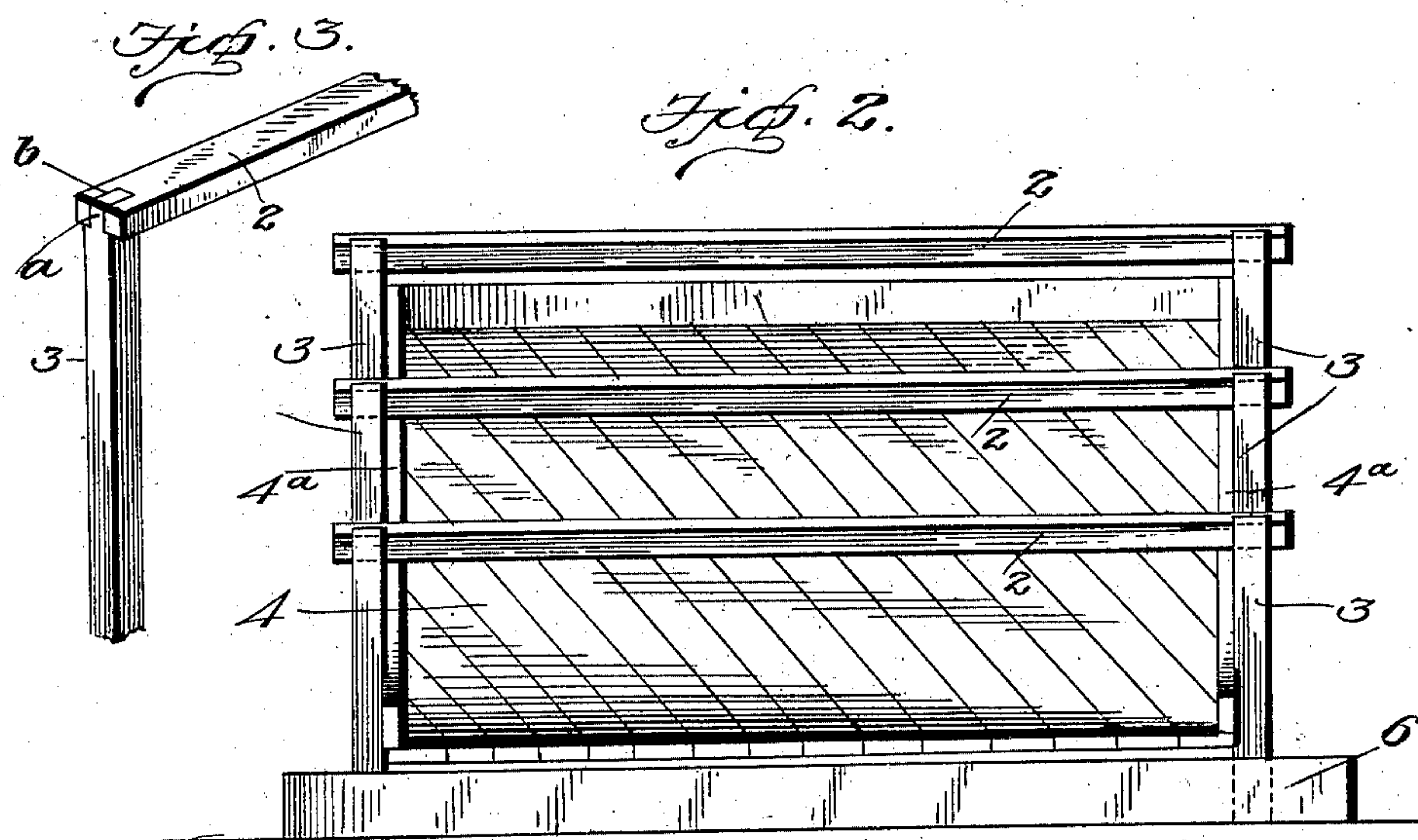
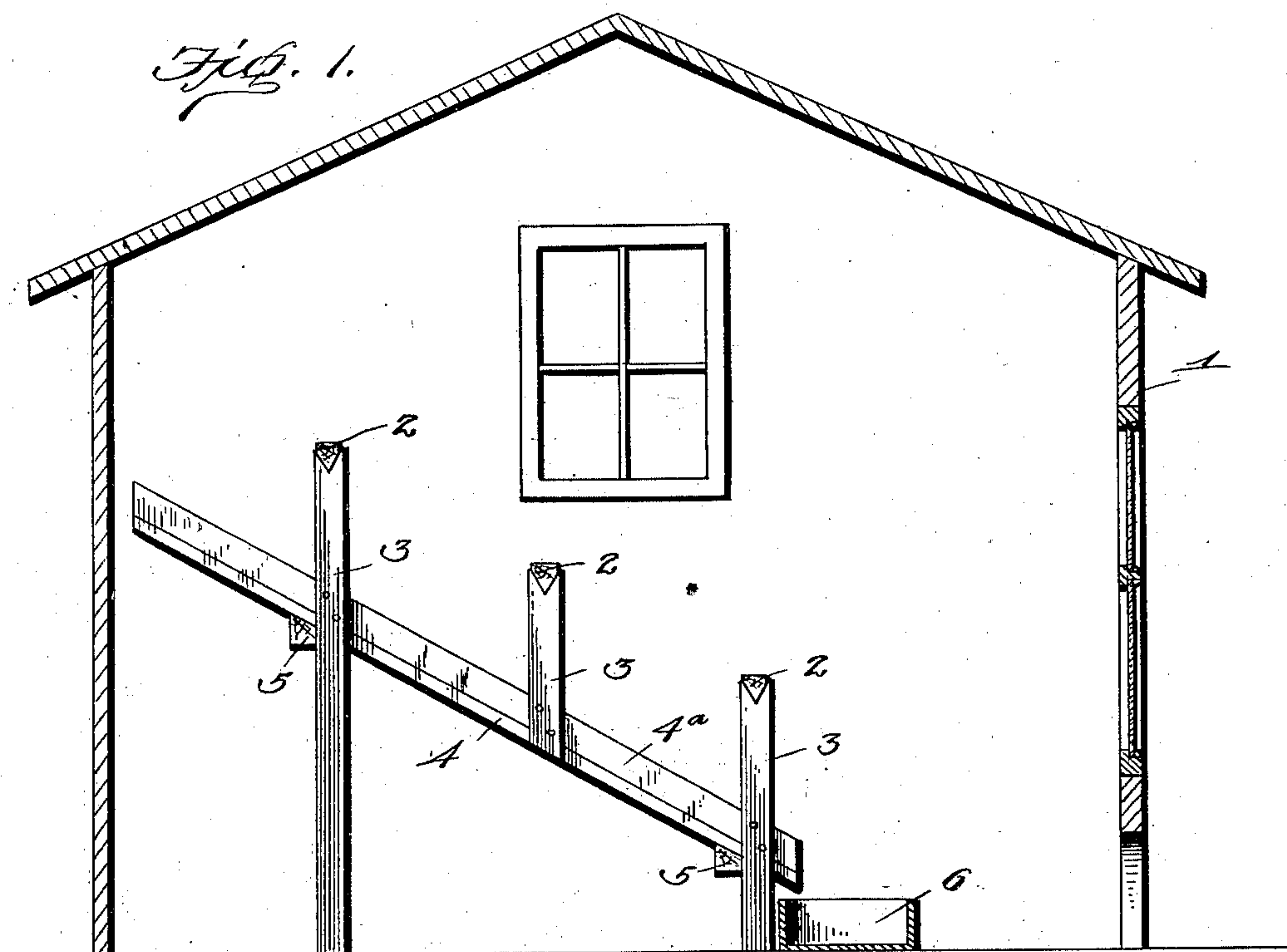
PATENTED FEB. 23, 1904.

J. J. EDGERTON.
POULTRY HOUSE.

APPLICATION FILED JULY 27, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



Inventor

Witnesses

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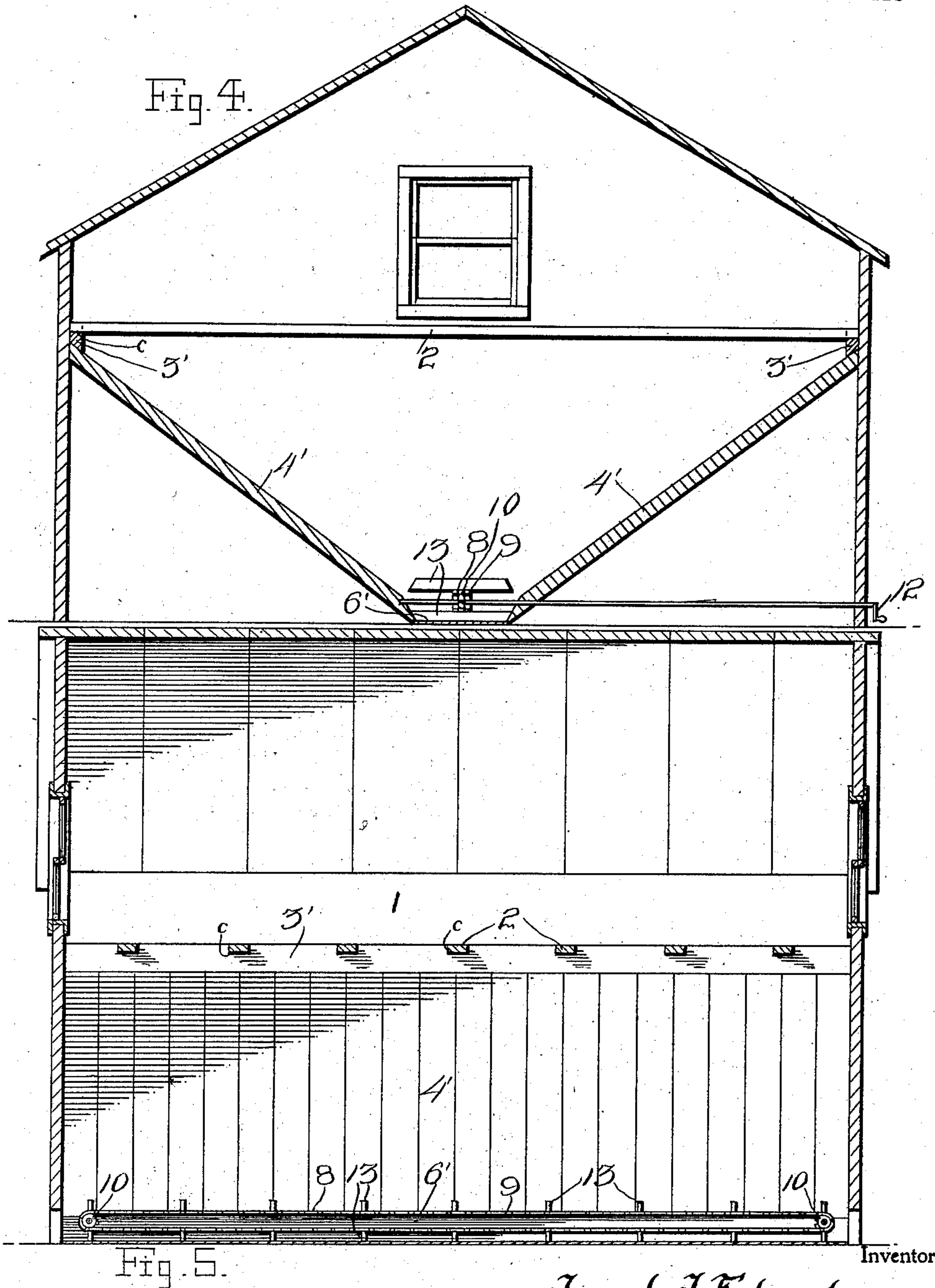


Fig. 5.

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UNITED STATES PATENT OFFICE.

JOSEPH J. EDGERTON, OF BERWYN, ILLINOIS.

POULTRY-HOUSE.

SPECIFICATION forming part of Letters Patent No. 752,765, dated February 23, 1904.

Application filed July 27, 1903. Serial No. 167,202. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH J. EDGERTON, a citizen of the United States, residing at Berwyn, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Poultry-Houses; and I do 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 improvements in the interior construction and arrangement of poultry-houses.

The object of the invention is to provide an arrangement of perches and one or more inclined platforms beneath the same whereby the cleaning of the house will be greatly facilitated.

Another object is to provide a trough for catching the droppings from the inclined platforms and means for cleaning said trough.

A further object is to provide means for supporting the perches so that they may be readily removed for disinfecting, &c.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a vertical sectional view through a poultry-house, showing the arrangement of the perches. Fig. 2 is a front elevation of the perches and platform. Fig. 3 is a detail perspective view of a modified form of perch-support. Fig. 4 is a vertical cross-sectional view through a poultry-house, showing a modified arrangement of perches and double inclined platforms. Fig. 5 is a vertical longitudinal sectional view of the same.

Referring more particularly to Figs. 1, 2, and 3 of the drawings, 1 denotes the house, which may be of the ordinary or any approved construction, and 2 denotes the perches, which are adapted to be supported upon uprights or standards 3. In the upper ends of the standards 3 are formed V-shaped notches, which are adapted to receive the V-shaped ends of the perches 2 to removably hold the same in place. 4 denotes an inclined

platform or floor arranged beneath the perches 2 and supported upon cross-bars 5, connected at their ends to the front and rear pairs of uprights 3. The platform 4 may be provided with upwardly-projecting side pieces 4^a. The front and rear pairs of standards or uprights 3 have their lower ends extending to and resting on the ground; but the intermediate uprights may be fastened to the sides of the platform 4, as shown. 6 denotes a removable trough or receptacle arranged at the lower end of the inclined platform and into which droppings from the fowls will be directed by said platform.

In Fig. 3 of the drawings is shown a modified form of connection between the ends of the perches and the supports. In this instance the upper ends of the supports have formed thereon tongues *a*, which are adapted to enter a notch *b* in the ends of the perches, as shown.

In the arrangement of perches and platforms as herein described it will be seen that the same may be quickly and easily removed for cleaning, thus preventing the house from becoming filthy and keeping the fowls in a healthy condition.

In the form of the invention shown in Figs. 4 and 5 two inclined platforms 4' are employed, which incline or converge toward a centrally-disposed trough 6', which is in this instance stationary and has inclined sides. The platforms in this instance are connected directly to the walls of the house, and the space beneath the same may be utilized for storage purposes. The perches in this arrangement of the house are removably supported upon cleats 3', fixed to the sides of the house, said cleats being formed with a series of seats *c*, in which the ends of the perches are adapted to rest. As will be seen in Fig. 5, the perches in this instance are all on one level and arranged across the house and spaced apart at proper distances. As hereinbefore stated, the trough 6' in this arrangement of the house is stationary, and in order to remove the droppings which have fallen into the same from the inclined platforms a suitable conveyer 8 is provided, the conveyer here shown consisting of an endless sprocket-chain 9, which

is adapted to run over sprocket-wheels 10, mounted in suitable bearings at the ends of the trough, the shafts of one of the wheels being extended through the side of the house 5 and having fixed thereto a crank-handle 12, by which said shaft and sprocket-wheels may be turned to operate the conveyer-chain. On said chain are fixed a series of blades 13, which as the lower stretch of the chain passes through 10 the trough will act as hoes or scrapers by which all accumulations in the trough will be dragged through and discharged at one or the other end of the same. The hoes or scrapers are of a length corresponding with the width 15 of the trough, so that the same will be thoroughly cleaned.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention 20 will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of 25 this invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

30 1. In a poultry-house, the combination with suitable supports, having notches formed therein, of perches having ends shaped to removably engage said notches, inclined platforms arranged beneath said perches, a trough 35 arranged at the lower edges of said platforms,

and means for cleaning and removing the accumulation in said trough, substantially as described.

2. In a poultry-house, the combination with suitable supports, having notches formed 40 therein of perches having ends shaped to removably engage said notches, inclined platforms arranged beneath said perches, a trough arranged at the lower edges of said platforms, an endless conveyer adapted to run in said 45 trough to remove the accumulation therein, substantially as described.

3. In a poultry-house, the combination with suitable supports, having notches formed 50 therein of perches having ends shaped to removably engage said notches, inclined platforms arranged beneath said perches, a trough arranged at the lower edges of said platforms, sprocket-wheels fixed on shafts journaled at 55 the ends of said trough, an endless sprocket-chain adapted to travel on said wheels, blades or hoes fixed on said chain in position to be drawn through said trough to clean the same and discharge the accumulations contained 60 therein at one or the other of the ends of the trough, and means for turning one of said sprocket-wheels to operate said chain, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 65

JOSEPH J. EDGERTON.

Witnesses:

W. P. HAHN,

EMMA A. OLSEN.