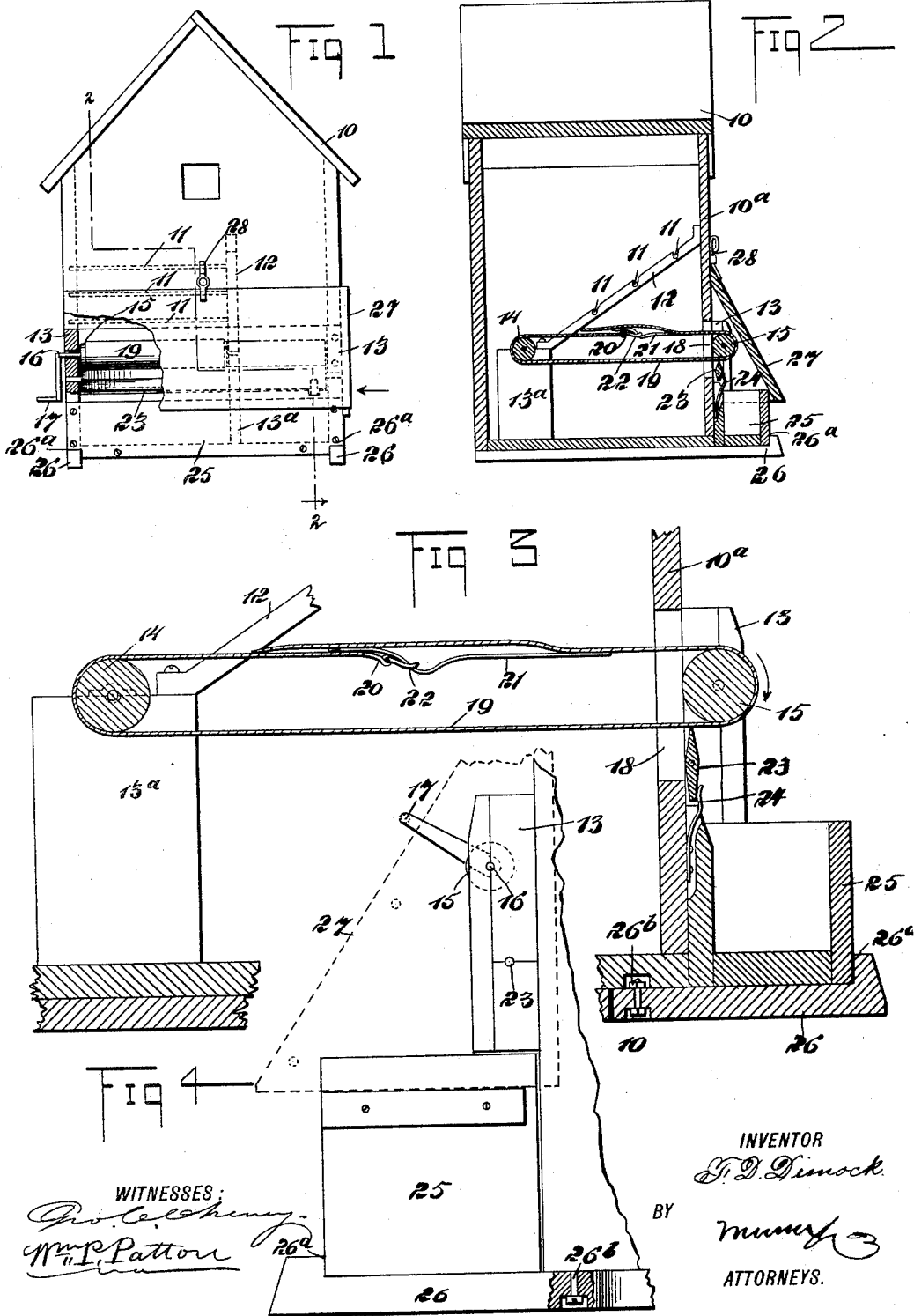


(No Model.)

F. D. DIMOCK.
ROOSTING DEVICE FOR FOWLS.

No. 595,121.

Patented Dec. 7, 1897.



WITNESSES:
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UNITED STATES PATENT OFFICE.

FRED D. DIMOCK, OF NATIONAL CITY, CALIFORNIA.

ROOSTING DEVICE FOR FOWLS.

SPECIFICATION forming part of Letters Patent No. 595,121, dated December 7, 1897.

Application filed December 16, 1896. Serial No. 615,903. (No model.)

To all whom it may concern:

Be it known that I, FRED D. DIMOCK, of National City, in the county of San Diego and State of California, have invented a new and
5 Improved Roosting Device for Fowls, of which the following is a full, clear, and exact description.

This invention relates to roosts for domestic fowls, and has for its object to provide novel,
10 simple, and efficient means for readily cleaning a poultry-house or like inclosure, the device being adapted to remove the droppings that are voided by fowls while roosting and deposit such manure in a suitable receptacle
15 outside of the poultry-house when said device is operated exterior of the house.

The invention consists in the novel construction and combination of parts, as is hereinafter described, and defined in the claims.

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

Figure 1 is a side elevation, partly in section, of a poultry-house having the improvements. Fig. 2 is a sectional side view of the poultry-house and the improved cleaning device therefor substantially on the line 2 2
25 in Fig. 1. Fig. 3 is an enlarged sectional side view of parts of the house and of the improvements essentially on the same line as Fig. 2, and Fig. 4 is an enlarged side view of details embodying features of the invention and seen in the direction of an arrow in Fig. 1.

35 In the drawings illustrating the improvements as applied to a poultry-house, 10 indicates the building, which may be in the style represented or be somewhat changed therefrom, if preferred.

40 The roosting-poles 11 are arranged in a tier within the house 10 at such distances of separation as will permit the free occupation of each pole by fowls. The roosting-poles as supported in the present construction have
45 one end of each pole inserted in a perforation at one side of the building and the opposite ends loosely engaged with notches cut in the upper side of the inclined side bar 12, which will permit a free removal of the poles, as
50 occasion may require.

On brackets 13 or like supports which are on the side walls of the poultry-house at opposite points two parallel rollers 14 15 are journaled, and the roller 14 may also be rotatably sustained by its loose engagement intermediate
55 of the ends with a box or a transverse perforation on or in the supporting-block 13^a, whereon the side bar 12 is secured at its lower end. The roller 15 is held to rotate in its bracket-supports by a center shaft 16, that at
60 one end has a crank-handle 17, and said brackets are located exterior of the house 10 at what may be regarded as its front wall 10^a, so that the roller mentioned is horizontally positioned outside of the poultry-house. 65

A slot or aperture 18 is produced in the house-wall immediately behind the roller 15, and on both of the rollers 14 15 an apron 19 is mounted, which is essentially endless but is adapted for shortening, so as to tightly contact with the rollers, by provision of straps 20
70 21 and buckles 22, that are secured in sufficient number along the lapped end portions of the apron, as is clearly indicated in Figs. 2 and 3. Below the apron a scraper-blade 23
75 is supported to rock by a loose engagement of journal ends thereon with the brackets 13, that support the roller 15, the upper edge of the scraper being pressed against the lower ply of the apron 19 and held so engaged by a
80 spring 24.

It will be seen that the apron 19 is located below the roosting-poles 11, and it should be of such width as will adapt it to receive all excrement of the fowls that is voided while
85 they are roosting, such droppings being deposited on the ply of the apron that is uppermost at roosting-time.

Below the scraper-blade 23 a manure-receptacle 25 is placed, and detachably secured in
90 position, preferably by seating it on two or more forwardly-projecting arms 26, that have retaining-shoulders 26^a on their upper edges. The shoulders 26^a bear against the front side of the elongated rectangular box that constitutes the receptacle, and one of said arms
95 is pivoted at its inner end 26^b, whereby the arm may be rocked laterally and away from the end of the receptacle 25.

The spring 24 has one end fastened upon 100

the front wall 10^a of the house 10, and the side edges of the spring are disposed near to the side walls of an open recess formed in the adjacent side wall of the receptacle 25 when the latter is in position for service.

As one of the arms 26 at the end of the box 25 is pivoted to rock, as before explained, it will be seen that if said arm is rocked away from the end of the box 25 that it supports said end may be lowered, and this will remove the box from the spring 24, so that the manure-receptacle may at any time be detached from its supports to conveniently empty it.

In operation it is apparent that a rotation of the roller 15 by a manipulation of the crank-handle 17 will, if effected in the direction of the curved arrow in Fig. 3, transfer the side of the apron 19 that has been uppermost and has caught the excrement voided by the fowls to the lower side of the endless apron, and the longitudinal movement of said top ply will draw it rearward below the roller 15 and cause its laden surface to be thoroughly scraped by the blade 23, thereby removing the liquid and solid matter, which will fall into the receptacle 25.

To protect the roller 15, apron 19, and receptacle 25 from the elements, a box-cover 27 is fitted over these parts, the cover being sustained in position by resting over and upon the upper edge of the receptacle, a latch-piece 28 serving to hold the cover in place.

Minor changes may evidently be made in the details of construction within the scope of my invention. Hence I do not wish to limit it to the precise forms herein shown.

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

1. The combination with an inclosure, roosting-poles arranged in a tier within the inclosure, an endless apron longitudinally adjustable below the roosting-poles, and a scraper-blade bearing with one edge against the lower side of the apron near one end; of supports projecting from the inclosure below said scraper-blade and having shoulders near their outer ends, and a receptacle for the scrapings resting upon said supports and retained thereon by said shoulders, one of said supports being

pivoted to turn laterally and release the receptacle, as and for the purpose set forth.

2. The combination, in a device of the character described with the inclosure, and the plurality of roost-poles arranged in a tier within the inclosure; of the pair of parallel rollers supported to rotate in a plane below the said poles, one within and the other without the said inclosure, an endless apron mounted on said rollers and extending through an aperture in the side of the inclosure, a scraper-blade having journal ends in loose engagement with the support for the roller outside the inclosure, being located below said roller, a spring pressing the upper edge of said blade into contact with said apron, arms secured to the inclosure below said scraper-blade and one of which is pivoted to turn laterally, a receptacle having its ends resting upon said arms and arranged to be detached therefrom by turning the pivoted arm, and means for moving said apron, as and for the purpose described.

3. A roosting device for fowls, comprising the inclosure, supports for the roosting-poles, roosting-poles arranged in a tier and detachably secured on said supports, two parallel rollers supported to rotate in a plane below said poles and located one within and the other without said inclosure, a contractible endless apron mounted to revolve on said rollers and passing through an aperture in the side of the inclosure, a rocking scraper-blade located below the outer roller and having its upper edge spring-pressed into engagement with said apron, arms projecting from the inclosure below said scraper-blade and having shoulders on their upper outer edges, one of said arms being pivoted to turn laterally, a receptacle resting upon said arms, being retained by the shoulders thereon and removable from the inclosure by turning said pivoted arm outward, and a cover protecting the apron, scraper-blade, and receptacle, as and for the purpose described.

FRED D. DIMOCK.

Witnesses:

FRED H. SAMBORN,
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