

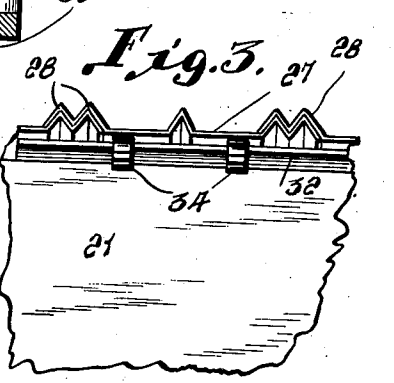
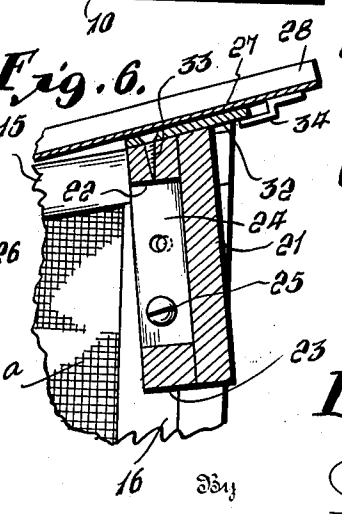
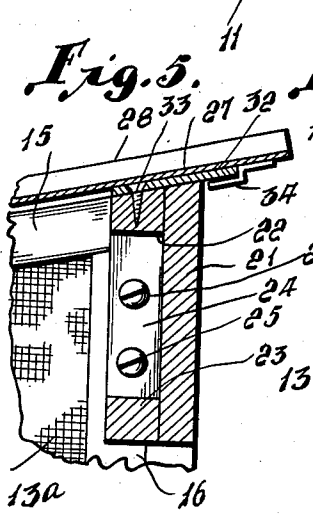
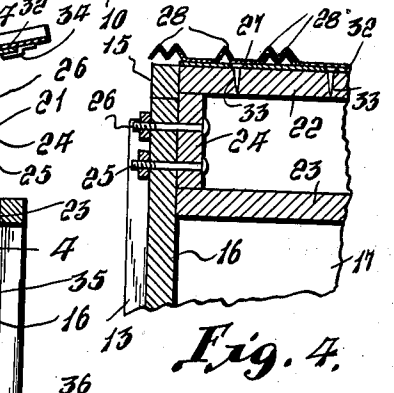
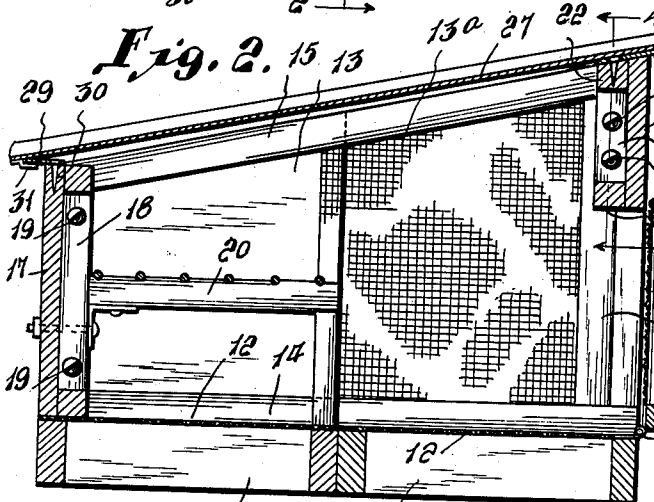
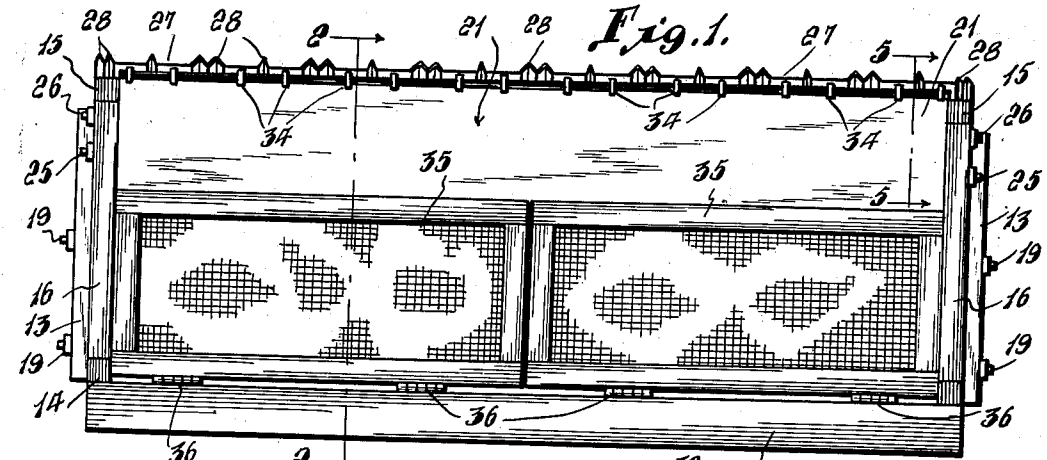
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2,159,924

CHICKEN HOUSE

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# UNITED STATES PATENT OFFICE

2,159,924

## CHICKEN HOUSE

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6 Claims. (Cl. 119—21)

This invention relates to certain new and useful improvements in chicken houses.

The primary object of the invention is to provide a chicken house of the knock-down or collapsible type that may be readily assembled with roof sections for the house interlockingly engaged with the front and rear walls thereof and securely retained in position.

A further object of the invention is to provide a chicken house of the foregoing character wherein cleats carried by the under side of the roof sections adjacent the front and rear edges thereof have the cleats at the rear ends of the roof sections engaged with a keeper member carried by the upper edge of the fixed rear wall of the house while a horizontally hinged member forming the upper front wall section of the house carries a keeper member for the cleats at the forward ends of the roof sections with the pivotally mounted member movable into engagement with the forwardly positioned cleats and thereafter anchored into position for retaining the roof sections in position on the house.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:

Figure 1 is a front elevational view of a chicken house constructed in accordance with the present invention;

Figure 2 is a vertical cross-sectional view taken on line 2—2 of Figure 1, showing cleats on the under side of the front and rear ends of the roof section engaged with keepers carried by the upper edges of the front and rear wall sections of the housing;

Figure 3 is an enlarged fragmentary front elevational view of the upper end of the house;

Figure 4 is a detail sectional view taken on line 4—4 of Figure 2;

Figure 5 is an enlarged detail sectional view taken on line 5—5 of Figure 1, showing the bar or upper front wall section of the house carrying a keeper plate engaged with the cleats on the under side of the forward end of the roof; and

Figure 6 is a detail sectional view, similar to Figure 5, showing the horizontally pivoted bar or upper front wall section pivotally moved on one of its supporting pins or screws for subsequent closing movement to engage the cleats on the roof section.

While the chicken house is illustrated as hav-

ing screen walls, it is to be understood that the same may be constructed for winter use with closed panel walls or the like. The chicken house comprises a base structure preferably formed of front and rear elongated rectangular frames 10 and 11 arranged side by side in side rail abutting contact with the frames secured together in any preferred manner if desired.

For sanitary purposes, a screened floor 12 overlies the frames 10 and 11 for the passage therethrough of droppings.

The upper structure of the chicken house comprises end wall sections 13, portions of which are screened as at 13a, each end wall section 13 including a lower horizontal rail 14, a forwardly and upwardly inclined top or head rail 15, a pair of juxtaposed vertical front rails 16 and a vertical rear rail, all of said rails being secured together in any suitable manner to provide a rigid end wall construction, with said end walls secured to the base frames in any suitable manner.

As shown in Figure 2, the rear wall 17, preferably of panel type, is carried by a rectangular bar frame 18 at the inner side thereof and anchor bolts 19 secure the vertical end bars of the frame 18 to the rear ends of the end walls 13. Roosts 20 of any appropriate character are arranged in the chicken house, preferably in proximity to the rear wall 17 thereof.

The front wall of the chicken house comprises a bar or plate 21 extending longitudinally of the house at the upper ends of the front rails 16 of the end walls and is carried by a rectangular frame on the inner side thereof formed of top and bottom rails 22 and 23 and vertical end rails 24. The front wall plate 21 is secured in position by means of a pair of vertically spaced screw bolts 25 and 26 passed through the end rails 24 of the front wall plate 21 and the front rails 16 of the end walls. When the upper screw bolts 26 are removed, the front wall plate 21 is then pivotally supported adjacent its lower edge so that the upper edge and top rail 22 may be moved in an arcuate path.

An important feature of the present invention resides in the quick and novel manner in which the roof 27 is attached to the chicken house and while said roof may be of any form desired, the same is illustrated as comprising sectional metallic sheets reinforced by longitudinally extending ribs 28 which also aid in proper drainage of rain water from the roof. The devices for attaching the roof sections 27 to the chicken house include, as shown in Figure 2, an elongated metallic strip 29 secured as at 30 to the upper horizontal edge

of the rear wall 17 to the house with said strip projecting rearwardly of said wall. A plurality of forwardly opening cleats 31 is carried by the under side of the roof section 27 adjacent its rear end and said cleats 31 are adapted to be moved into interfitting engagement with the projecting edge of the keeper strip 29. A longitudinally extending metallic keeper strip 32 is secured as at 33 to the upper rail 22 of the frame carried by the front wall plate 21, the keeper strip 32 projecting forwardly of the front wall plate 21 to be engaged by rearwardly opening cleats 34 carried by the underside of the roof sections 27 adjacent its front end. To mount the roof sections 27 on the house, the screw bolts 26 anchoring the front wall plate 21 in position are removed and said front wall plate 21 swung rearwardly at its upper edge upon the pivot screw bolts 25. The cleats 31 at the rear edge of the roof sections 27 are first engaged with the keeper strips 29 carried by the rigidly mounted rear wall 17 of the house and when all of said roof sections have been engaged with the keeper strip 29, the front wall plate 21 is then moved forwardly at its upper end upon its pivot screw bolt 25 for moving the forwardly projecting edge of the keeper strip 32 into engagement with the rearwardly opening cleats 34 at the front ends of the roof section. When the front wall plate 21 has been vertically positioned, the screw bolt 26 is then engaged with the end rails 24 of the front wall plate and the front rails 16 of the end walls 13 for locking the front wall plate in position against movement and for locking the roof sections 27 to the front and rear walls of the chicken house.

The lower open front portion of the chicken house is normally closed by screened door frames 35 that are hingedly mounted at their lower ends as at 36 upon the forward rails of the base frame 10 and when said screened doors 35 are lowered they provide runways for the chicken house. While the invention has been described as having a rigid back wall and an adjustable or hinged front panel wall, it is to be understood that the elements may be reversed and the front wall made rigid with a hinged panel in the rear wall.

From the above detailed description of the invention, it is believed that the construction and operation thereof will at once be apparent and while there is herein shown and described the preferred embodiment of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:

1. In a chicken house of the character described, perpendicular end and rear walls and a front wall, and roof sections having interlocking engagement with the upper edges of the front and rear walls, the rear wall being rigidly mounted in position and the front wall including a top section pivotally mounted intermediate its upper and lower edges to the end walls and movable into interlocking engagement with the roof sections and means for holding the top section against movement relative to the roof sections.

2. In a chicken house of the character described, perpendicular end and rear walls and a front wall, and roof sections having interlock-

ing engagement with the upper edges of the front and rear walls, the rear wall being rigidly mounted in position and the front wall including a top section horizontally pivoted intermediate its upper and lower edges on the end walls with the upper edge thereof movable through an arc into interlocking engagement with the roof sections and means for holding the top section against movement relative to the roof sections.

3. In a housing structure, perpendicular end and rear walls and a front wall, and roof sections having interlocking engagement with the upper edges of the front and rear walls, the rear wall being rigidly mounted in position and the front wall including a top section movable into interlocking engagement with the roof sections, the interlocking connection including cleats carried by the undersides of the roof sections adjacent the front and rear edges thereof and keeper plates for the cleats carried by the upper edges of the rear wall and movable front wall section.

4. In a housing structure, perpendicular end and rear walls and a front wall, and roof sections having interlocking engagement with the upper edges of the front and rear walls, the rear wall being rigidly mounted in position and the front wall including a top section horizontally pivoted adjacent its lower edge on the end walls with the upper edge thereof movable through an arc into interlocking engagement with the roof sections, the interlocking connection including cleats carried by the undersides of the roof sections adjacent the front and rear edges thereof and keeper plates for the cleats carried by the upper edges of the rear wall and movable front wall section.

5. In a chicken house of the character described, perpendicular end and rear walls and a front wall, and roof sections having interlocking engagement with the upper edges of the front and rear walls, the rear wall being rigidly mounted in position and the front wall including a top section movable into interlocking engagement with the roof sections, the interlocking connection including cleats carried by the undersides of the roof sections adjacent the front and rear edges thereof and keeper plates for the cleats carried by the upper edges of the rear wall and movable front wall section, and means for locking the movable front wall section in vertical position for holding the keeper plates in the cleats.

6. In a chicken house of the character described, perpendicular end and rear walls and a front wall, and roof sections having interlocking engagement with the upper edges of the front and rear walls, the rear wall being rigidly mounted in position and the front wall including a top section horizontally pivoted adjacent its lower edge on the end walls with the upper edge thereof movable through an arc into interlocking engagement with the roof sections, the interlocking connection including cleats carried by the undersides of the roof sections adjacent the front and rear edges thereof and keeper plates for the cleats carried by the upper edges of the rear wall and movable front wall section, and means for locking the movable front wall section in vertical position for holding the keeper plates in the cleats.

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