E. E. ARNOLD.

POULTRY COOP.

APPLICATION FILED JAN. 7, 1913.

1,084,836.

Patented Jan. 20, 1914.

2 SHEETS—SHEET 1.

Fig. 1.

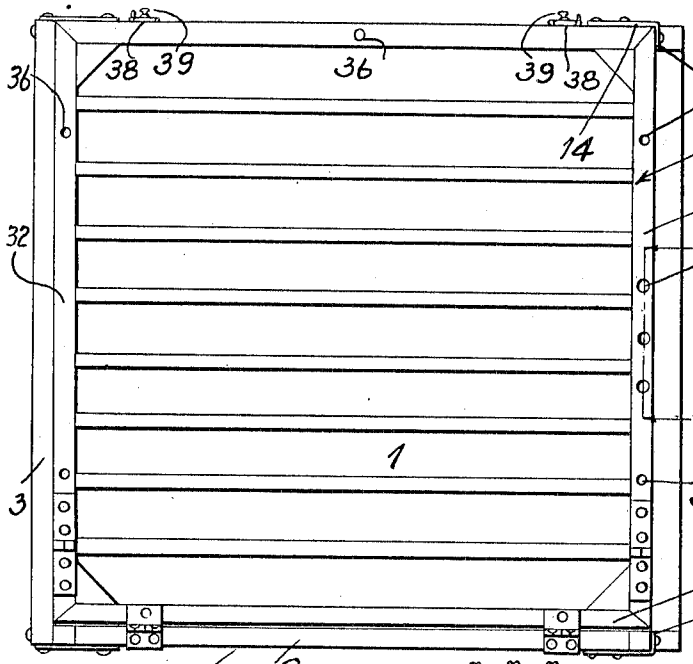


Fig. 7.

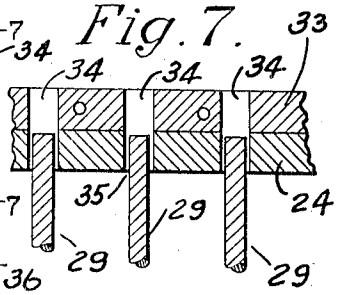


Fig. 2.

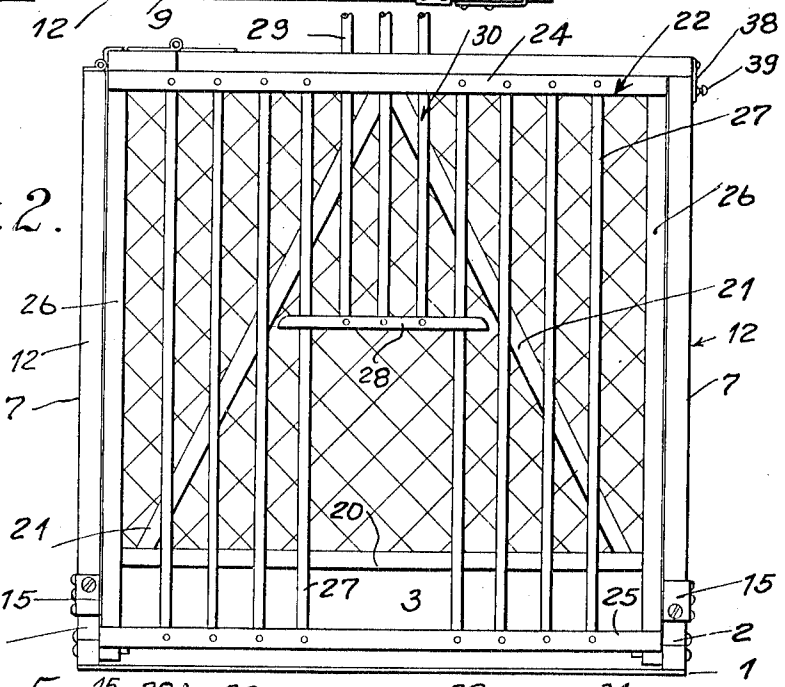
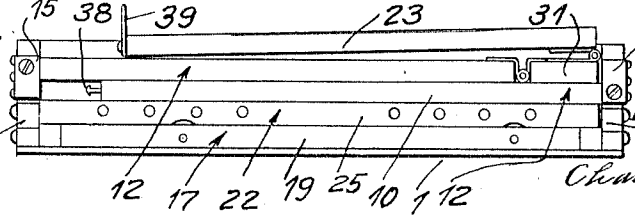


Fig. 5.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

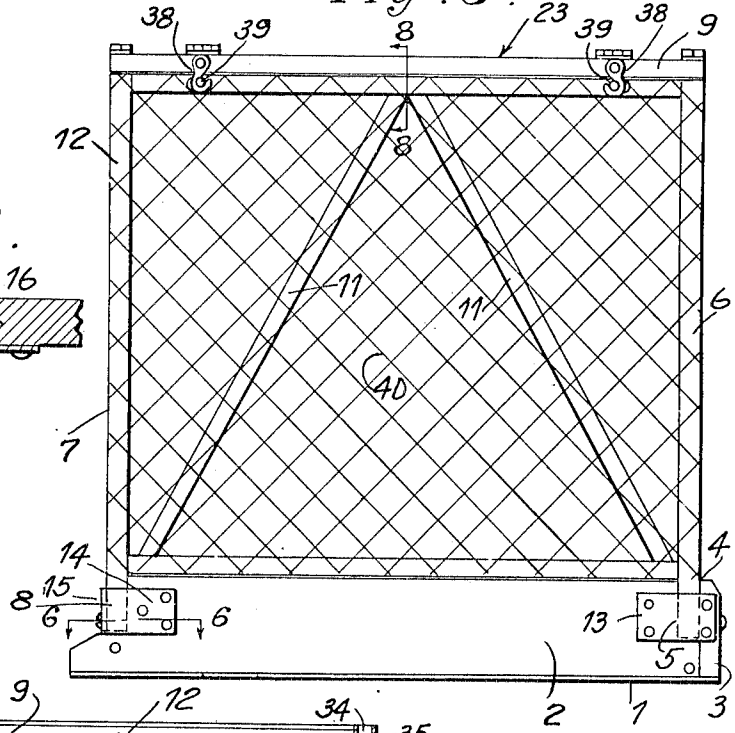


Fig. 6.

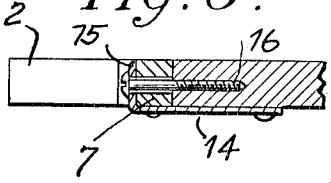


Fig. 4.

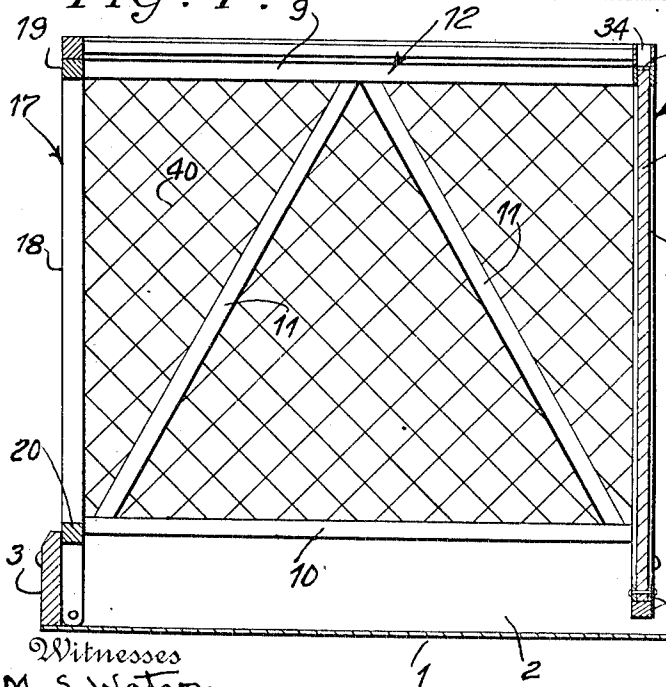
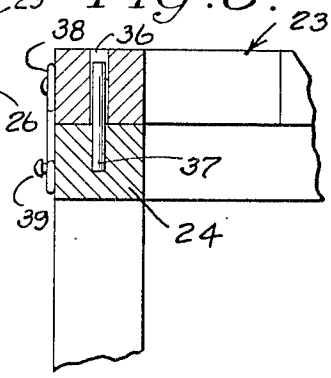


Fig. 8.



Witnesses

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UNITED STATES PATENT OFFICE.

EDGAR E. ARNOLD, OF SANDWICH, ILLINOIS.

POULTRY-COOP.

1,084,836. Specification of Letters Patent. Patented Jan. 20, 1914.

Application filed January 7, 1913. Serial No. 740,661.

To all whom it may concern:

Be it known that I, EDGAR E. ARNOLD, a citizen of the United States, residing at Sandwich, in the county of Dekalb, State of Illinois, have invented certain new and useful Improvements in Poultry-Coops; and I do hereby 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 poultry coops, and has for its object to so construct a device of this character that the same may be easily and quickly set up for use and knocked down so as to occupy a very small amount of space when not in use.

A further object of the invention is to provide a coop of this type which when in its folded or knocked down position will occupy a minimum amount of space so that the same may be conveniently stored or transported.

With these and other objects in view, this invention resides in the novel features of construction, formation, combinations and arrangements of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which:—

Figure 1 is a top plan view of the device. Fig. 2 is a front view. Fig. 3 is a side elevation. Fig. 4 is a vertical sectional view. Fig. 5 is a side elevation of the device in its folded position. Fig. 6 is a sectional view on line 6—6 of Fig. 3. Fig. 7 is a similar view on line 7—7 of Fig. 1. Fig. 8 is a similar view on line 8—8 of Fig. 3.

Referring to the drawings, the numeral 1 designates a bottom, which is preferably formed from sheet metal, and it will be understood that the same may be formed from wood if desired. Rising from the side edges of the bottom 1 are side strips 2, the rear edges of which are connected by a back strip 3, the front edges of said bottom being unobstructed so that the coop may be conveniently cleaned. The rear ends of the side strips 2 are provided with shoulders 4 which form in conjunction with the edges of the back strip 3 sockets 5 in which are pivotally connected the lower ends of the posts 6, similar posts 7 being provided and having their lower ends pivotally connected in recesses 8 formed in the forward edges of the side strips 2. The posts 6 and 7 are connected at their upper ends by bars 9, and near their lower ends by bars 10, said bars being braced by the diagonally disposed strips 11, which in conjunction with the posts 6 and 7 and bars 9 and 10 form the sides 12 of the coop.

To limit the outward swinging movement of the sides 12 metallic plates 13 are provided and close one side of the sockets 5, said plates engaging the posts 6, thus accomplishing this purpose. The plates 13 are secured at their opposite ends to the side strips 2 and ends of the back strips 3, as clearly shown in Fig. 3 of the drawings.

Metallic plates 14 are secured to the forward ends of the side strips 2 and have their outer ends bent at right angles to form flanges 15, said flanges being perforated for the reception of the screws 16, which pass through the lower ends of the posts 7 and engage the ends of the side strips 2, thus pivotally connecting said posts.

The back 17 consists of side posts 18, the upper ends of which are connected by a bar 19, a similar bar 20 being connected at its opposite ends near the lower ends of the posts 18. The bars 19 and 20 are connected by diagonally disposed brace bars 21 similar to the bars 11 carried by the sides 12. The extreme lower ends of the posts 18 are pivotally connected to the side strips 2 so that the same will engage the back strips 3 to limit the outward swinging movement of the back 17. Thus when the sides 12 are in their unfolded positions and engage the plates 13 and 14, the back 17 bears against the back strip 3, the posts 6 of the sides 12 bear against the posts 18 of the back 17, and when the front 22 is in its set up position the top 23 may be then operated to hold the back, side and front in there rigidly.

The front 22 consists of upper and lower bars 24 and 25, respectively, the outer ends of which are connected by vertical posts 26. Arranged between the posts 26 is a plurality of vertical parallel spaced bars 27 which have their upper and lower ends connected to the bars 24 and 25 respectively. It will be noted that the innermost bars 27 are spaced a greater distance apart than the remaining ones, and slidably engaging said innermost bars is a horizontally disposed sill 28 to which is secured the lower ends of the bars 29, said bars forming in connection with the sill 28 a sliding door 30 so that access may be had to the interior of the coop without necessitating the unfastening of the

top 23. The bar 25 of the front 22 has its opposite ends bearing against the forward ends of the side strips 2, and are pivotally connected thereto by suitable securing devices.

The top 23 consists of a rectangular frame 31 which is hingedly connected to one of the sides 12, a slatted frame 32 being hingedly connected to the inner edge of the frame 31. One of the side bars 33 of said frame is provided with a plurality of alined perforations 34 in which slide the bars 29 of the door 30 when the same is being opened, said perforations being in registry with perforations 35 formed in the bar 24 of the front 22. The top 23 is provided with perforations 36 which are engaged by pins 37, said pins being secured in the top bars of the side, back and front, thus preventing the same from swinging inwardly when the coop is in its set up position. The top is also provided with hooks 38 which engage pins 39 carried upon the bar 9 of one of the sides 12. The sides 12 and back 17 are covered with wire fabric 40, or if desired the same may be covered with a cloth fabric.

When it is desired to fold the coop it is only necessary to swing the top 23 upwardly whereupon the back 17 is swung downwardly upon the bottom 1 and the front 22 folded upon the back, after which the sides 12 are folded in overlapping relation upon the front. The top 23 being hingedly connected to one of the sides is then folded upon the uppermost side 12, thereby compactly folding the coop as shown in Fig. 5. From this construction it will be noted that the lower bars 10 of the sides 12 when in their unfolded position rest upon the upper edges of the side strips 2, this in addition to the plates 13 and 14 firmly brace said sides.

What is claimed is:—

A coop of the class described comprising a bottom having side and back strips secured thereto, sides pivotally connected to the side strips, plates carried by the side strips and engaging the sides to limit the outward swinging movement thereof, a back pivotally connected to the side strips and adapted to engage the back strip to limit the outward swinging movement of said back, a front pivotally connected between the forward ends of the side strips, said front consisting of upper and lower bars, the upper bar being provided with a plurality of alined perforations, a plurality of vertical bars arranged between the upper and lower bars, a sill slidably mounted on certain of the vertical bars, bars carried by the sill and operable in the perforations of the top bar, a top hingedly connected to one of the sides, said top having one of its bars provided with perforations which register with the perforations in the top bar of the front, whereby when said sill is moved upwardly, the bars carried thereby may pass through the registered perforations so that access may be had to the interior of the coop.

In testimony whereof, I affix my signature, in the presence of two witnesses.

EDGAR E. ARNOLD.

Witnesses:
L. R. SAWYER,
RUPP SMITH.