No. 896,860. PATENTED AUG. 25, 1908.

A. C. SEGESSEMANN.

FOLDING COOP.

APPLICATION FILED JUNE 7, 1907.

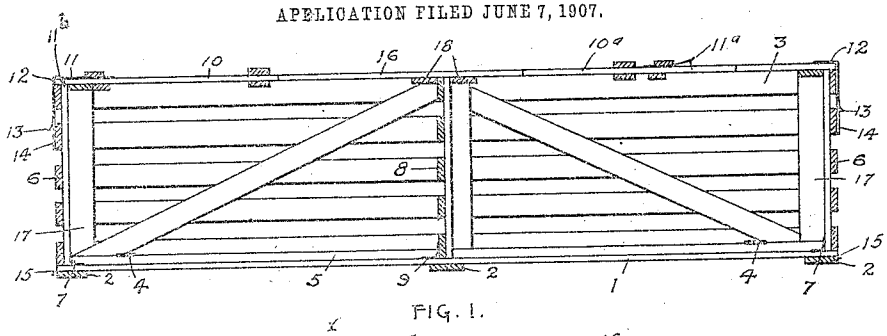


FIG. 1.

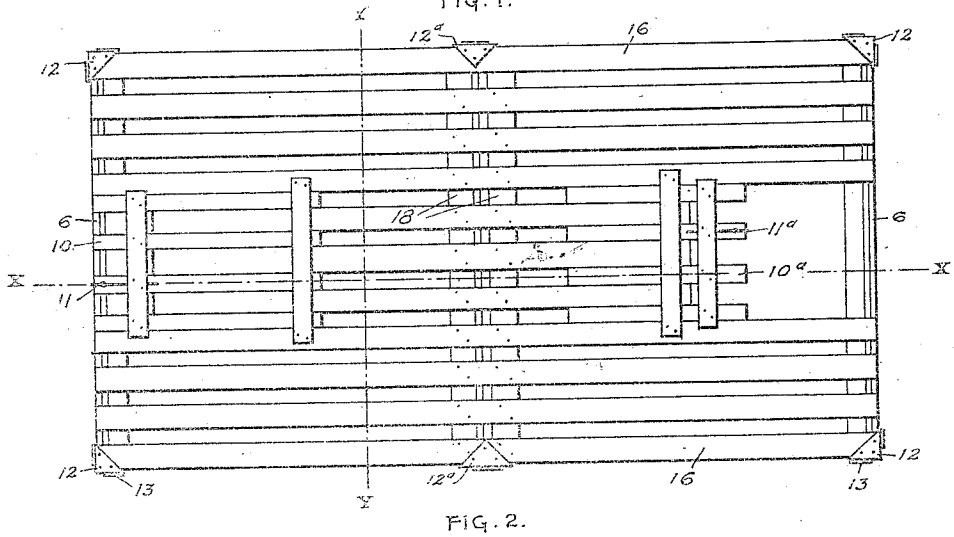


FIG. 2.

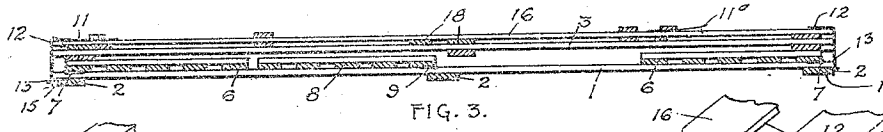


FIG. 3.

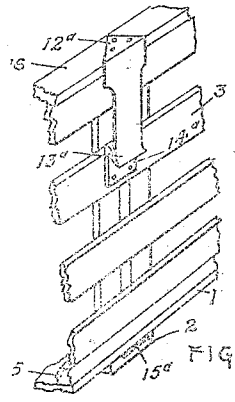


FIG. 6.

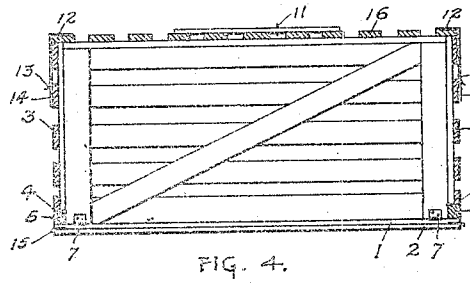


FIG. 4.

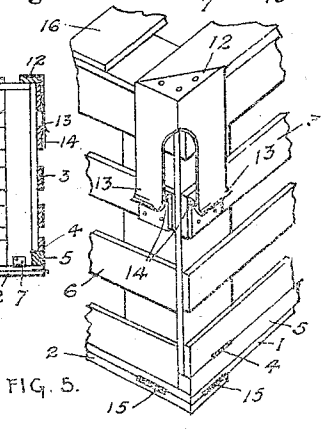


FIG. 5.

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FOLDING COOP.

No. 896,860. Specification of Letters Patent. Patented Aug. 25, 1908.

Application filed June 7, 1907. Serial No. 377,823.

To all whom it may concern:

Be it known that I, ARNOLD C. SEGESSEMANN, a citizen of the United States, residing near Amazonia, in the county of Andrew and State of Missouri, have invented certain new and useful Improvements in Folding Coops, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in folding coops, used for transporting poultry, and the objects of my improvements are to provide a folding coop, which shall combine extreme lightness of weight with the maximum of strength, and in which the parts are secured by substantial means in both erect and in folded position, as desired, and by which the change from erect to folded position, of the parts, can be accomplished with the utmost ease and rapidity; and further to so construct and arrange the parts of a folding coop that they shall be simple, durable, and cheap in cost of manufacture;—I attain these objects by the mechanism illustrated in the accompanying drawing, in which;

Figure 1. is a vertical section, cut on the line X X, seen in Fig. 2, showing the parts in erect position. Fig. 2. is a top plan. Fig. 3. is a vertical section, cut on the line X X, seen in Fig. 2., showing the parts in folded position. Fig. 4. is a vertical section, cut on the line Y Y, seen in Fig. 2., showing the parts in erect position. Fig. 5. is an enlarged view, in perspective, showing one of the four corner fastenings, securing the parts in erect position. Fig. 6. is an enlarged view, in perspective, showing one of the two side fastenings, securing the parts in erect position.

My invention consists of the bottom 1, reinforced by pieces 2, the two sides 3, secured by hinges 4, one side on each of the strips 5, secured on bottom 1; the ends 6, secured to bottom 1 by hinges 7; partition 8 secured to bottom 1 by hinges 9; the two sliding doors, 10 and 10^a, each provided with a spring actuated latch pin 11 and 11^a, respectively adapted to engage ends 6 by entering apertures 11^b, respectively, in the ends 3, for holding said doors in closed position, together with four spring tempered metal corner fasteners, 12, secured to cover 16, each of which is bifurcated, and said bifurcations are each provided with a hook 13, and are the exact length required, to bring said hooks into engagement with the catch pieces 14, secured to ends 6 and sides 3, as shown, for holding said top, sides, ends and bottom, securely together, in erect position, and also to bring said hooks 13 into engagement with the catch pieces 15, secured to bottom 1, for holding said parts securely together in folded position.

The two spring tempered metal side fastenings 12^a, their hooks 13^a, and catch pieces 14^a and 15^a, are secured and operated in the same manner as corner fastenings 12 and their similarly numbered parts.

In the operation of my invention, when in erect position, as seen in Figs. 1, 2 and 4, the operator grasps the free end of latch pin 11, and raises it until said pin is disengaged from end 6 and is in the position seen at 11^a, in Fig. 1. after which door 10 is manually slid to the same position as door 10^a, after which fowls are put in the coop; after which the described operation of said door is reversed, thus securing said fowls in said coop. Door 10^a is operated in the same manner as door 10, and the described operation of said doors is reversed for the removal of said fowls from said coop.

It will be seen from the foregoing, that the described fastener 11 is simple and inexpensive, and provides means by which said doors may be operated with utmost ease and rapidity. After the removal of said fowls, when desired, the said operator compactly folds the described coop into small space, and substantially secures all the parts together, in folded position, in the following manner;— with the first and second finger of each hand, said operator presses upward and outward against the curved lower extremities of four of the hooks 13, until said hooks are disengaged from their respective catch pieces 14; said operator in similar manner, disengages side hooks 13^a, from their respective catch pieces 14^a, after which cover 16 is readily removed from sides 3 and end 6, after which partition 8 is rotated on hinges 9 to the position seen in Fig. 3; then the two ends 6 are rotated on their respective hinges 7, to the position seen in Fig. 3, after which the two sides 3 are also rotated on their hinges 4, to the position seen in Fig. 3; after which cover 16 is placed over the thus folded parts, with the corner fasteners 12, in register with catch pieces 15, after which pressure is applied upon cover 16, which causes the sloped lower extremities of hooks 13 and 13^a, to move outward and downward past the hooked extremities of catch pieces 15 and 15^a, respec-

tively; upon which the elasticity of the greater part of fasteners 12 and 12^a, causes said hooks 12 and 12^a, to move into engagement with said catch pieces 15 and 15^a, respectively; thus securely holding the parts together, in folded position. By the unbifurcated part of fasteners 12 the cover 16 and parts beneath said cover are held in register and are prevented from shifting.

It will be seen and understood from the foregoing, and by referring to Fig. 5, that the unbifurcated parts of fasteners 12 act as braces for the corners of cover 16 and substantially hold ends 6 and sides 3 together in erect position; and by referring to Fig. 1, that the pieces 17, secured to sides 3, act as stops for, and prevent the upper edges of the ends 6 from being forced inward; by referring to Figs. 1 and 2, it will be seen that the upper edge of partition 8 passes between the two strips 18, secured on the under side cover 16, for holding said partition securely in erect position.

I am aware that folding coops have been constructed, in which a partition and the ends and sides of said coops, are rotated on hinges from erect to folded position, and are secured in said positions by other devices than my fasteners 12, but in all such old coops of which I am aware, the cover fasteners do not act as reinforcements or braces for the corners of said coops.

Therefore, what I claim as new and desire to secure by Letters Patent is:—

A folding coop having a foldable partition therein and foldable sides and ends therefor, provided with catch pieces 14 on said sides and ends; a bottom for said coop, provided with catch pieces 15 secured thereon; a lid for said coop and a fastener for each of the four corners of said lid, the upper portion of said fastener being adapted to act as a binding and as a brace for the corner of said lid and the lower portion of said fastener being bifurcated, and each of said bifurcations being provided with a hook on the lower end thereof, adapted to engage said catch pieces 14, when said sides and ends are in erect position, and to engage said catch pieces 15, when said sides and ends are in folded position.

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

ARNOLD C. SEGESSEMANN.

Witnesses:

JAMES I. HANSEN,

C. O. CORNELIUS.