

G. J. COOK.
Chicken Coop and Crate.

No. 219,071.

Patented Sept. 2, 1879.

Fig. 1.

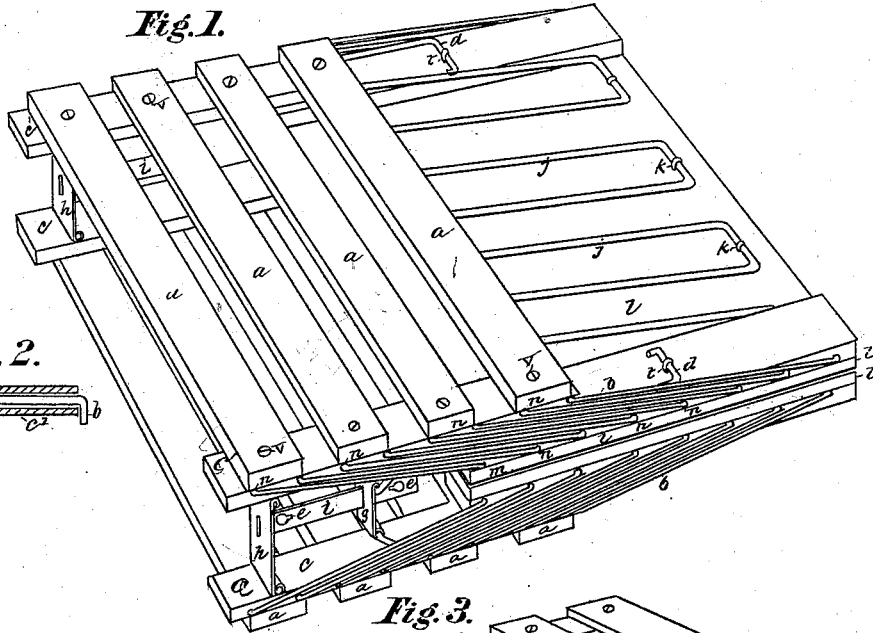


Fig. 2.

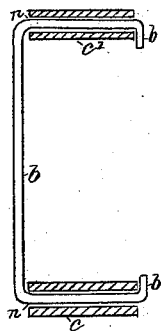


Fig. 3.

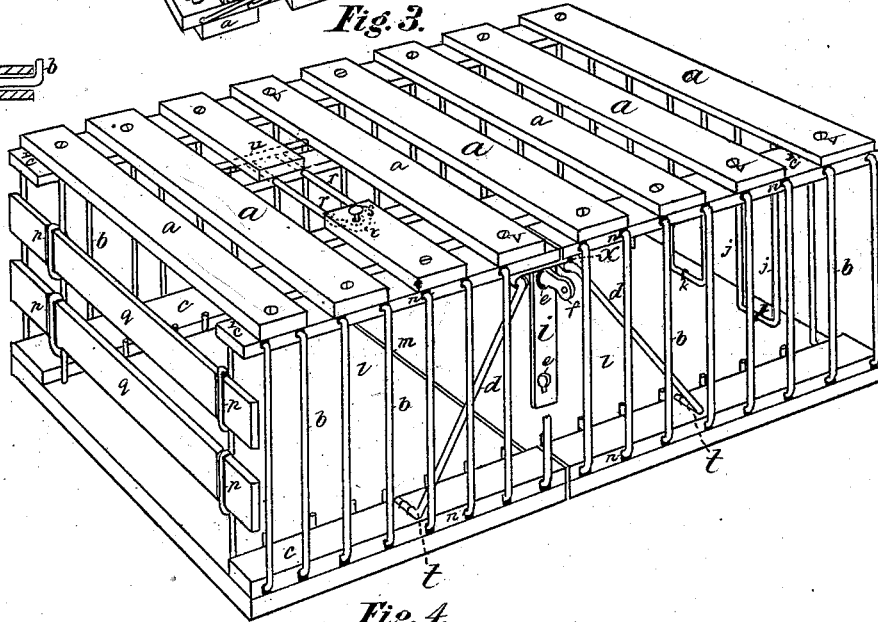
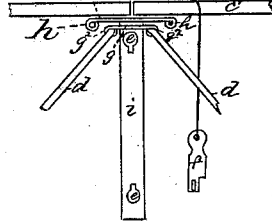


Fig. 4.



Witnesses.
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Fig. 5.

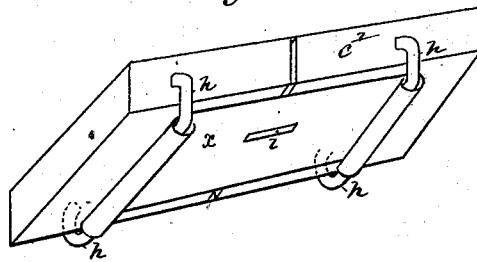


Fig. 6.

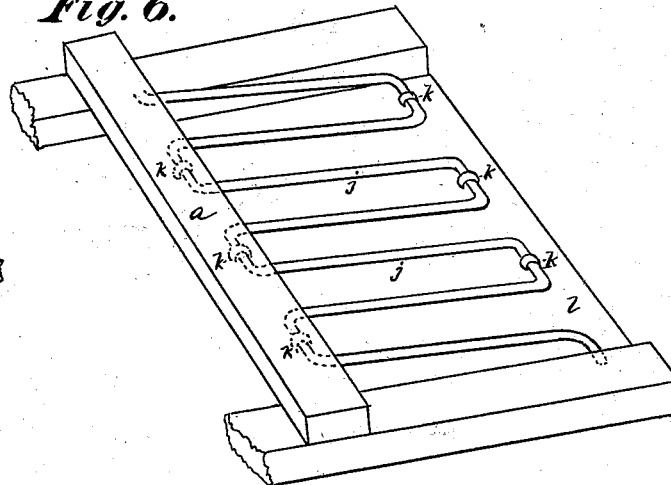
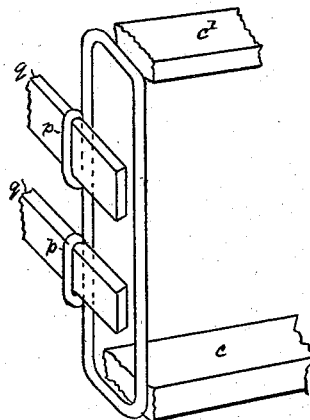


Fig. 7.



WITNESSES.

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UNITED STATES PATENT OFFICE.

GEORGE J. COOK, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN CHICKEN COOP AND CRATE.

Specification forming part of Letters Patent No. **219,071**, dated September 2, 1879; application filed July 12, 1879.

To all whom it may concern:

Be it known that I, GEORGE J. COOK, of the city of Louisville, county of Jefferson, and State of Kentucky, have invented an Improved Chicken Coop and Crate, of which the following is a specification.

My invention relates, generally, to the construction of a chicken coop and crate having a plain board bottom composed of two equal sections hinged at its longitudinal center, so that the two parts will fold downward and lap together, and having its top made of wooden side slats and cross-slats, and also hinged like the bottom, and having its sides and ends made of wire bars, so bent and shaped as to allow the top and bottom to hinge upon them and turn down together, so that the whole structure will occupy a comparatively small space when not in use, or to be transported from place to place. But to describe the same more in detail, it relates, in the first place, to the hinged side wall of the coop and crate, composed of wire rods, each bent into the general form of a rectangular hook, in combination with the recessed wooden side slats of the bottom and top; in the second place, to the construction of the body of the end walls of like wire rods, bent back and forth between the top and bottom, leaving suitable open spaces, and the bents of the wire, where they touch the bottom and top, respectively, hinged thereto by means of staples, so that they will act as hinge-rods when the top and bottom are folded together; and in the third place, to a combination of devices, one of which is placed at the hinge-joint on each side of the coop and crate, the object of which is to regulate and facilitate the folding of the four walls, top, and bottom together. My said invention will, however, be more fully described hereinafter with reference to the accompanying drawings, in which—

Figure 1 represents a perspective of a coop and crate embracing my improvement in its construction in its folded-up condition; Fig. 3, a like view of the same unfolded and ready for use; Fig. 2, a detail view of one of the wire bars of which the side walls of the structure are made; Fig. 4, a like view of the combination of devices before mentioned used to connect the two sections of the top together, and

to secure the accurate folding and unfolding of the two sections of the whole structure together; Fig. 5, a detail view, in perspective, of the under sides of the side pieces, C', of the top, and of the plate X, and of the staples *h*; Fig. 6, a like view of the end wall, composed of a single wire and its hinged connections, with the wooden frame folded upon the bottom; and Fig. 7, a like view of a different construction of an end wall.

l indicates the bottom; C, the side slats on the same, and *n* the recesses in the side slats of the top and bottom for the wire bars *b*, of which the side walls are composed; C', the side pieces of the top, and *a* the cross-bars of the same. X is the plate of the hinge connecting the two sections of the top together, it being connected to the under side of side piece, C', by means of the staples *h*, one of which is passed through each of the two eyes in the ends of that plate, and its extremities embedded and clinched in the wood of said side piece, and thus the plate is hinged to the two sections of the top.

i is the guide-bar, provided with the key-hole *e*, extending down from that plate into which it is firmly fixed. *g* is a guide-plate, provided with a suitable slot for the reception of the guide-bar *i*, upon which the guide-plate slides up and down in the folding and unfolding of the coop and crate, and the guide-plate *g* is mounted upon and attached to, by hinge-connections *g*², wire rods *d*, and these rods have hinge-connections at *t* with the bottom *l*.

j indicates the end wall, composed of a single wire bent into the form shown, and hinged to the top and bottom by staples *k*, as plainly shown in Fig. 6. This is the construction which I prefer for the end wall. The same, however, may be constructed, as shown in Figs. 3 and 6, of both slats and wire, the slats being recessed near each end for the wire, which is to be wrapped around them in the recesses, and the whole structure hinged to the top and bottom, as shown in these figures.

In detail view (shown in Fig. 7) the ends of the side pieces, C and C', are broken away in order to show the form into which the wire is bent. After being wrapped around the wooden slats *p* it forms a loop, which passes through recesses in side pieces, C and C', in the top and

bottom, and turns in the recesses in the same manner that bars *b* turn in the recesses provided for them.

r r and *u* compose a sliding gate, by means of which access may be had to the interior of the coop and crate, and *s* is a pin by means of which the gate may be secured; but no claim is made herein for the sliding gate.

f is a key to be inserted into the key-hole *e* when the coop and crate is unfolded for use, to hold it in that position.

The wire bars *b*, which are fully shown in Fig. 2, have the general form of rectangular hooks, and, when in position in their recesses, attach the top and bottom together, and at the same time act as hinges and allow them to fold together, as shown in Fig. 1.

Upon examining the construction of this coop and crate it will be manifest that the connections are such between the walls, top, and bottom that when it is locked in position for use it cannot be taken apart without breaking it in pieces; and, further, that when folded up it will not only occupy much less space than when unfolded, but it will be much less liable to injury from rough handling.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The hinged side wall of a chicken coop and crate, composed of the bent wire rods *b*, in combination with the recessed wooden slats *C* and *C'*, the bottom *l*, and cross-bars *a*, substantially as and for the purpose described.

2. The end wall composed of wire *j*, bent as shown in Figs. 1 and 6, and having hinged connections with both the bottom and top of the coop and crate by means of the staples *k*, adapted to turn upon the bottom when required, substantially as shown and described.

3. The combination of the hinge plate *X*, provided with the downwardly-projecting guide-bar *i*, and the guide-plate *g*, mounted upon two hinged rods, *d*, as a device to regulate and facilitate the folding the four walls, top, and bottom together, substantially as and for the purpose described.

GEORGE J. COOK.

Witnesses:

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WM. H. WATTS.