

(Model.)

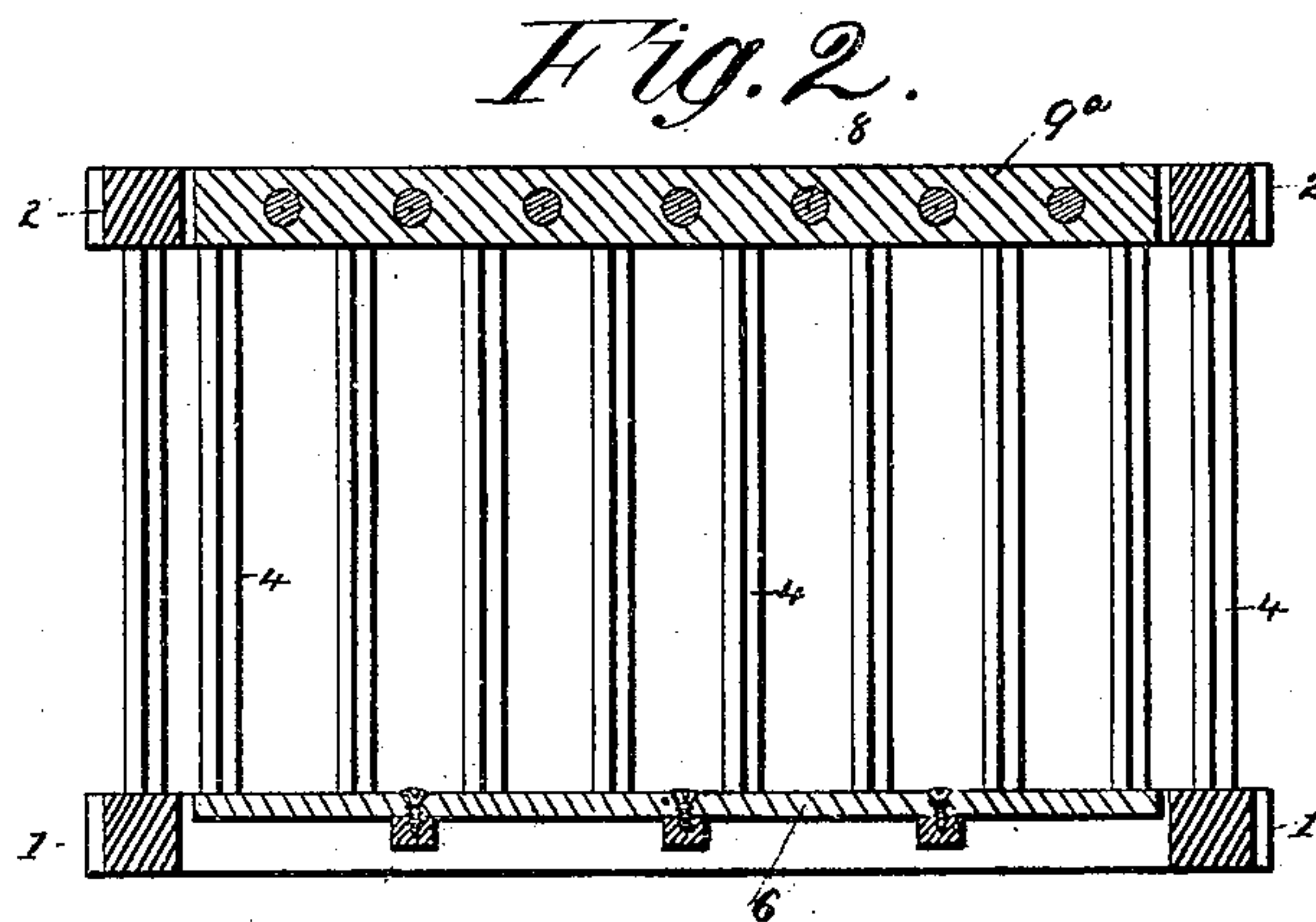
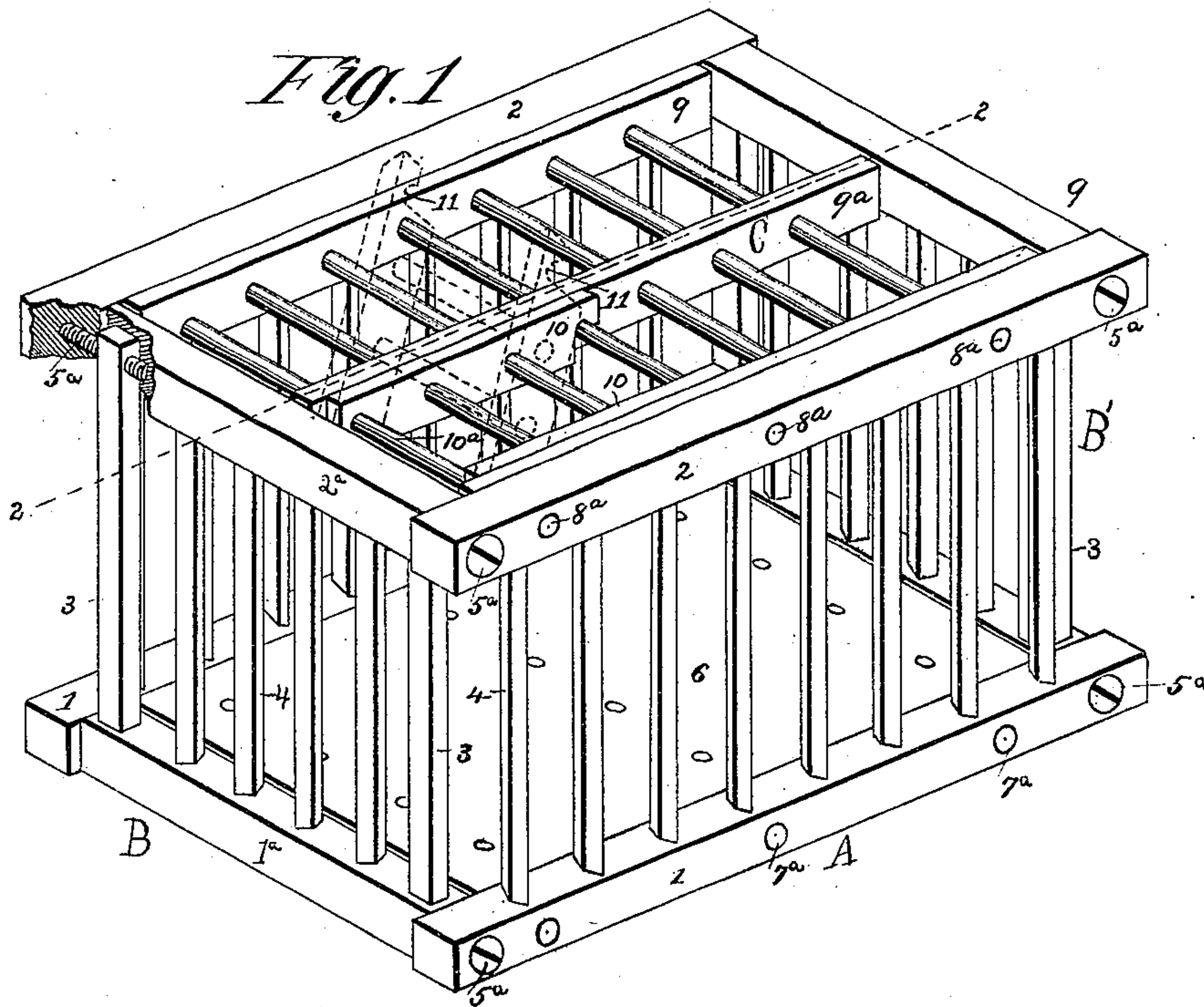
2 Sheets—Sheet 1.

J. W. ROGERS.

CRATE FOR TRANSPORTING VEGETABLES, LIVE POULTRY, &c.

No. 253,105.

Patented Jan. 31, 1882.



Witnesses:  
W. H. Hays  
C. E. Armstrong

John W. Rogers  
Inventor.

(Model.)

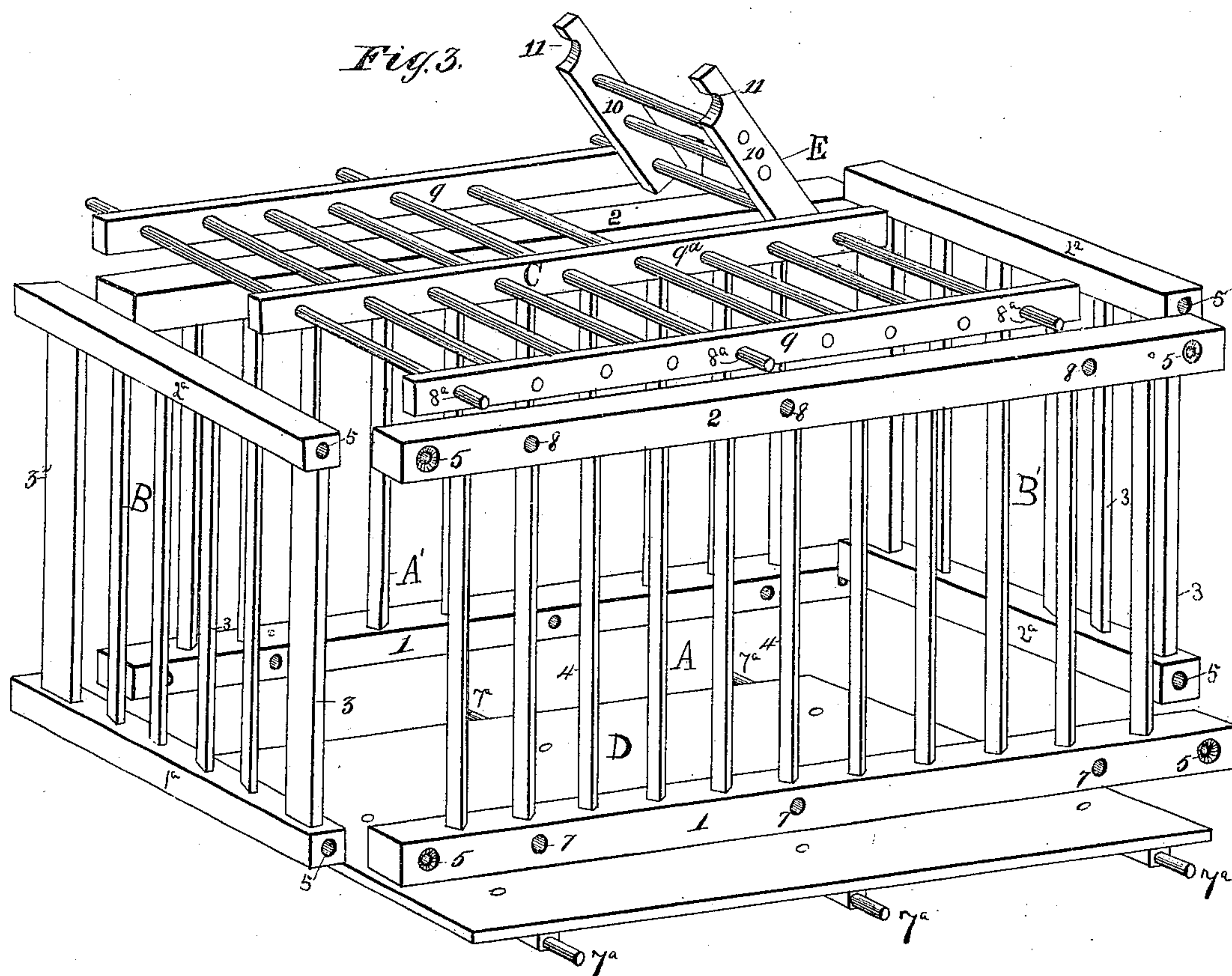
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CRATE FOR TRANSPORTING VEGETABLES, LIVE POULTRY, &c.

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Witnesses.  
Harry E. Knight  
J. L. Colclough

Inventor  
per John W. Rogers  
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Attys



# UNITED STATES PATENT OFFICE.

JOHN W. ROGERS, OF DENVER, COLORADO.

## CRATE FOR TRANSPORTING VEGETABLES, LIVE POULTRY, &c.

SPECIFICATION forming part of Letters Patent No. 253,105, dated January 31, 1882.

Application filed October 18, 1880. (Model.)

To all whom it may concern:

Be it known that I, JOHN W. ROGERS, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented a new and useful Improvement in Crates, of which the following is a specification.

This invention relates to knockdown crates for transporting vegetables and live poultry, &c.; and the improvement consists in its peculiar construction, whereby it may be readily put together or taken apart and stored away, or returned to its original point of shipment.

In order that my invention may be more fully understood, I will proceed to describe the exact manner in which I have carried it out, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved crate set up ready for filling. Fig. 2 is a vertical section through the line 2 2 of Fig. 1. Fig. 3 is a perspective view, showing the several parts detached.

The crate is composed of the two sides A A', consisting of an upper and lower piece, 1 and 2, with connecting-bars 4, the ends of which fit into mortises in the frame-pieces.

The ends consist of the upper and lower pieces, 1<sup>a</sup> 2<sup>a</sup>, and the side pieces, 3, which form a rectangular frame in connection with the pieces 1<sup>a</sup> 2<sup>a</sup>, which latter are connected by cross-bars 4 in a similar manner to that of the sides.

The sides and ends are connected together by binding-screws 5<sup>a</sup>, which pass through eyes in the extremities of pieces 1 2, and into slots in the ends of pieces 1<sup>a</sup> 2<sup>a</sup>, also passing through eyes in the extremities of pieces 3, thus forming a strong joint, which may be readily taken apart.

The bottom D of the crate is constructed of boards 6, secured to cross-pieces, which terminate in the form of tongues 7<sup>a</sup>, said tongues fitting into eyes 7 on the pieces 1 of the sides of the crate.

The top of the crate is formed of two longitudinal side pieces, 9 9, and the center piece, 9<sup>a</sup>. These are connected by cross-bars, which are of such a length, and the longitudinal pieces are of such length, as to permit the top to lie wholly within the frame formed by the

pieces 2 2 2<sup>a</sup> 2<sup>a</sup>. Three or more of the cross-bars project beyond or through the side pieces, 9, in the form of tongues, and fit into eyes in the pieces 2 2. This top is provided with a hinged door, by which access is had to the interior of the crate. Said door is formed of two side pieces, 10 10, connected by cross slats or bars, and suitably hinged to one of the cross-bars of the top. The side pieces of this door are provided with recesses 11, so that when closed the top shall be flush with the pieces 9 9<sup>a</sup>.

In putting the crate together the tongues 7<sup>a</sup> of the bottom are inserted into the eyes 7 of the sides. The top is then placed in position with its tongues 8<sup>a</sup> passing into eyes 8 of the sides, the frame pieces 9 9 lying against the inner sides of pieces 2 2. The end pieces are then introduced and secured in position by binding-screws 5<sup>a</sup>, which pass through eyes in the ends of the side pieces, into the ends of the end pieces, and through eyes in the extremities of pieces 3, thus forming a strong joint, which may be readily taken apart.

In taking the crate apart the binding-screws 5<sup>a</sup> are removed and the ends taken out. The top is then lifted off and the sides removed from the bottom. The several parts are then placed side to side and suitably bound together, when the crate is ready for storage or return shipment.

Having thus described my invention, the following is what I claim as new and desire to secure by Letters Patent:

1. A knockdown crate consisting of the bottom D and sides A A', secured together by tongues 7<sup>a</sup> and eyes 7, the ends B B', secured to the sides by binding-screws 5<sup>a</sup>, and eyes or slots 5, and the top secured to the sides by tongues 8<sup>a</sup> and eyes 8, as set forth.

2. A knockdown crate having the top C, consisting of longitudinal pieces 9 9 and center piece, 9<sup>a</sup>, said pieces connected by cross slats or bars, in combination with the hinged door E, provided with recesses 11, substantially as described.

JOHN W. ROGERS.

Witnesses:

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HENRY GUARD.