

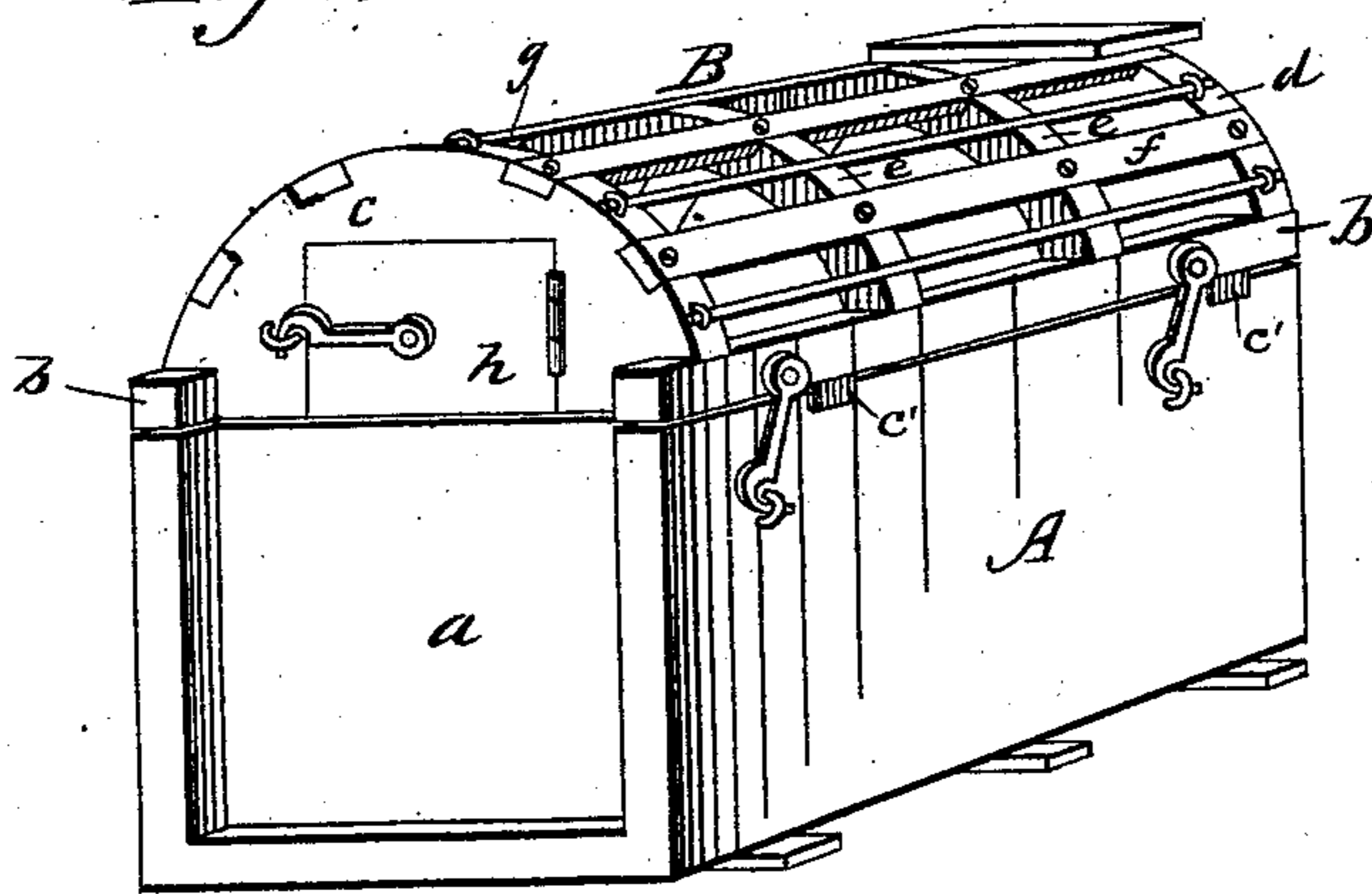
(No Model.)

E. J. MALONE.  
Crate Cover for Wagon Boxes.

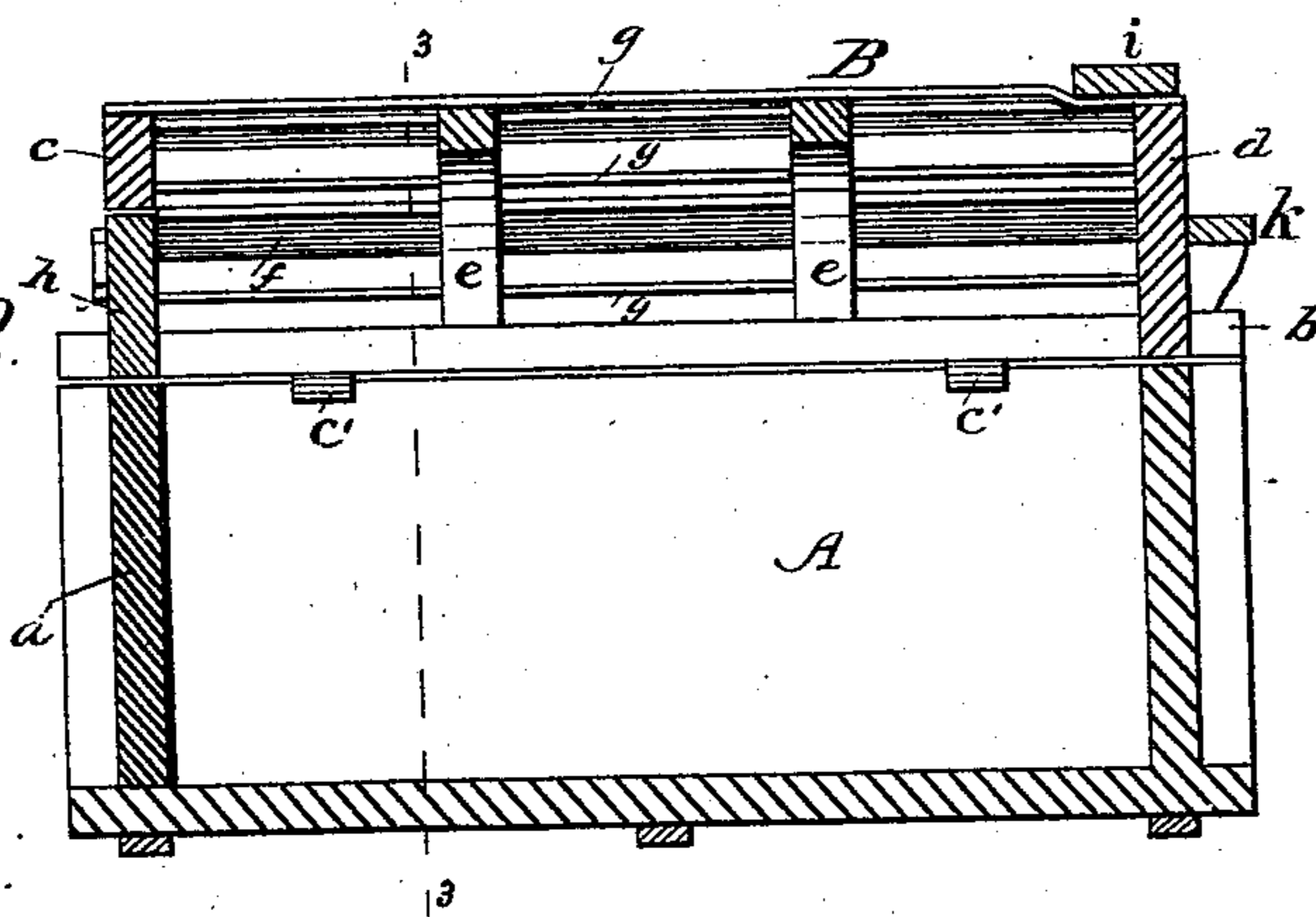
No. 236,050.

Patented Dec. 28, 1880.

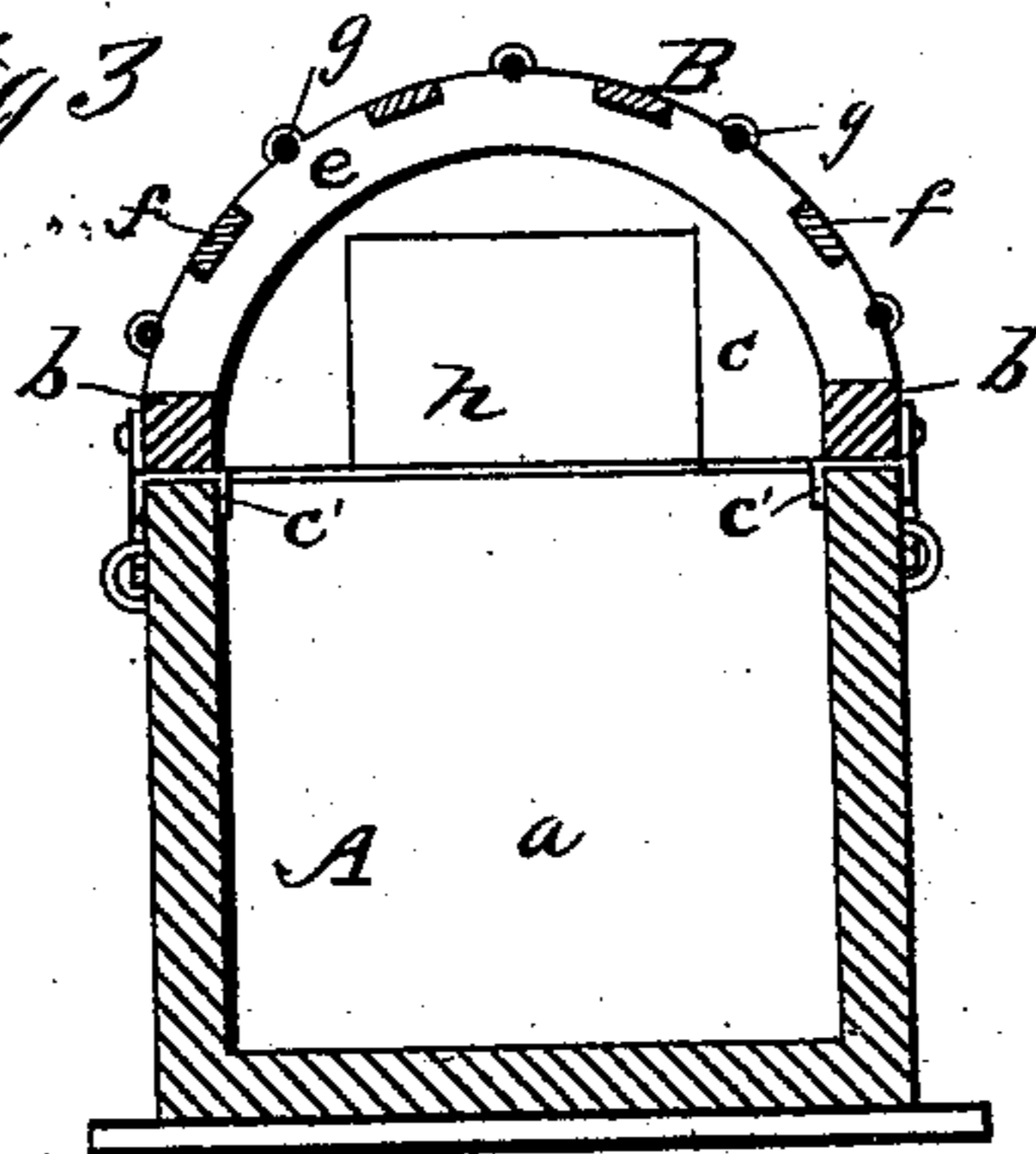
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:

*F. B. Townsend*  
*Wm. Rotthoff*

Inventor:

*Edward J. Malone*  
per *Lotz & Dyer*  
Attorneys.

# UNITED STATES PATENT OFFICE.

EDWARD J. MALONE, OF AURORA, ILLINOIS, ASSIGNOR OF ONE-HALF TO  
PETER MICHELS, OF SAME PLACE.

## CRATE-COVER FOR WAGON-BOXES.

SPECIFICATION forming part of Letters Patent No. 236,050, dated December 28, 1880.

Application filed June 21, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD J. MALONE, of Aurora, in the county of Kane and State of Illinois, have invented a certain new and useful Improvement in Crate-Covers for Wagon-Boxes, of which the following is a specification.

The object I have in view is to produce means whereby hogs, sheep, calves, poultry, &c., can be conveniently carried in wagons without the necessity of tying them. This I have accomplished by a removable crate-cover adapted to be secured to a wagon-box, and rising above the same, so as to inclose a space large enough to accommodate a number of animals in a standing position. The crate-cover is of semi-cylindrical shape, has both ends closed and a door in its rear end. Its front end is provided with a seat for the driver. The crate-cover is adapted to be readily removed from the wagon-box, so that the wagon can be used for other purposes.

My invention consists in the peculiar construction of the crate-cover for wagon-boxes, all as fully hereinafter explained, and pointed out by the claims.

In the accompanying drawings, forming a part hereof, Figure 1 is a perspective view of a wagon-box having my crate-cover placed thereon; Fig. 2, a longitudinal section of the same, and Fig. 3 a cross-section on line *z z* in Fig. 2.

Like letters denote corresponding parts in all three figures.

A is a wagon-box, of the ordinary or any suitable construction, and having the usual removable end-gate *a*.

B is the crate-cover, having side pieces, *b*, resting upon the sides of the wagon-box. These side pieces, *b*, are held in position upon the sides of the wagon-box by plates *c*, having downwardly-turned ends, and the pieces *b* are also removably locked to the sides of the wagon-box by any suitable devices. The pieces *b* are connected near their ends by semi-circular boards *c d*, and intermediate of said end-boards by semicircular bows *e*. The top of the crate-cover is formed of strips *f*, running lengthwise of the same and secured to the end-boards *c d* and bows *e*, and of wires *g*, con-

necting the end-boards and bows and situated between the strips. The rear end-board *d* is provided with a door, *h*, having a suitable fastening. Upon the front end of the crate-cover is secured the driver's seat *i*, while a foot-rest, *k*, may be secured to the front end-board *d*. A semi-cylindrical crate-cover is thus formed, which rises above the wagon-box and adapts the same for the use before stated.

The ends of the semi-cylindrical crate-cover can be closed by strips, if desired, instead of by solid boards.

If the wagon is used for carrying poultry, the door *h* only need be opened to load the wagon; but for loading with hogs, sheep, or calves the end-gate *a* would have to be taken out, and, if the height of the animals require it, the door *h* opened. After the wagon is loaded the end-gate is replaced and the door *h* closed and fastened. The animals do not have to be tied.

By making use of cattle-chutes and platforms the wagon can be readily loaded and unloaded.

The crate-cover can be removed from the wagon-box when it is desired to use the wagon for other purposes.

What I claim as my invention is—

1. A removable crate-cover for wagon-boxes, made of semi-cylindrical form and closed at the ends, said cover having side pieces resting on the sides of the wagon-box and bows rising from such side pieces, to which the longitudinal strips are secured, substantially as described and shown.

2. The combination, with the wagon-box A, having removable end-gates, of the semi-cylindrical crate-cover B, removably secured to the wagon-box and having closed ends, and a door, *h*, in its rear end, substantially as described and shown.

3. The combination, with the wagon-box A, of the removable crate-cover B, having a driver's seat, *i*, on its front end, substantially as described and shown.

EDWARD J. MALONE.

Witnesses:

HENRY QUINBRAIN,  
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