

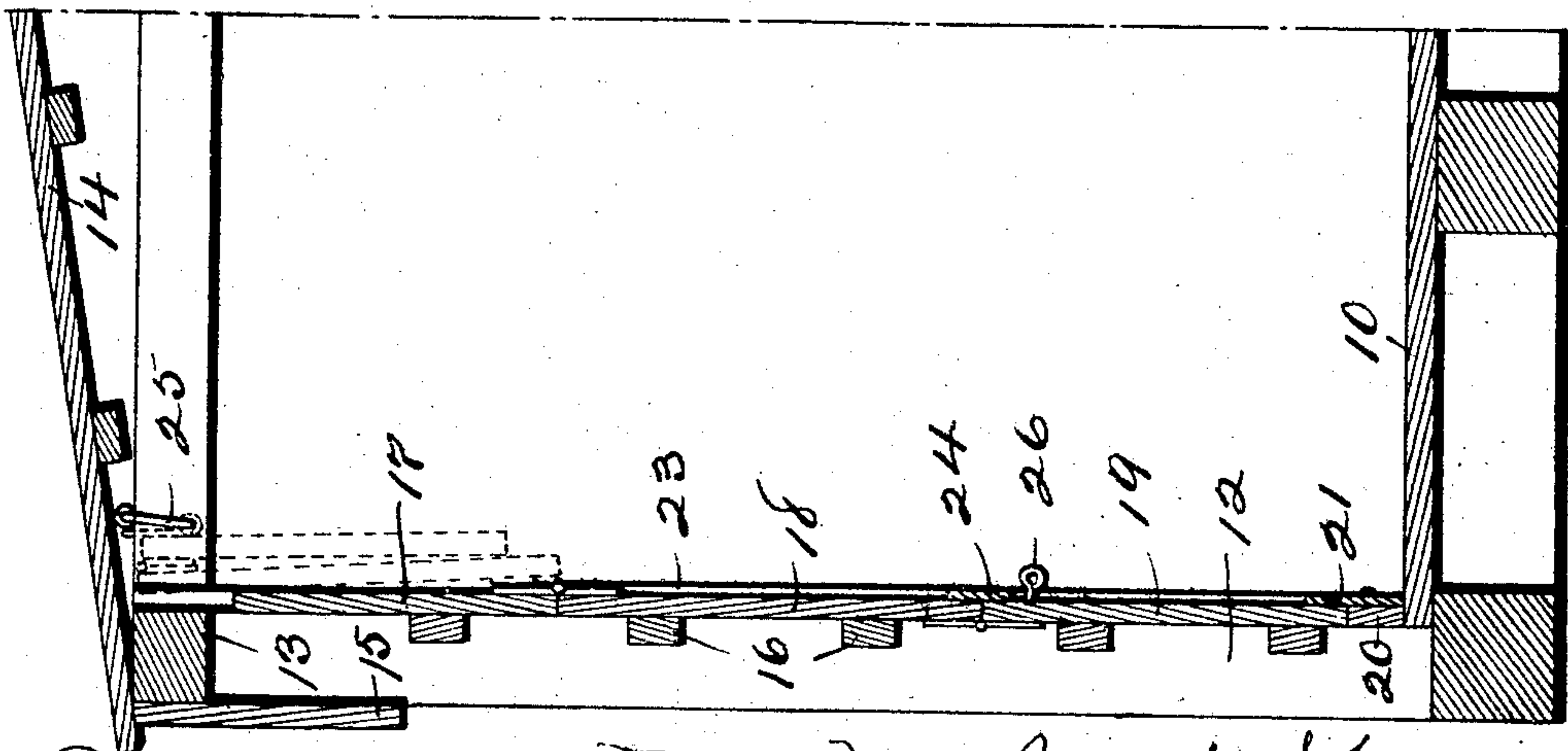
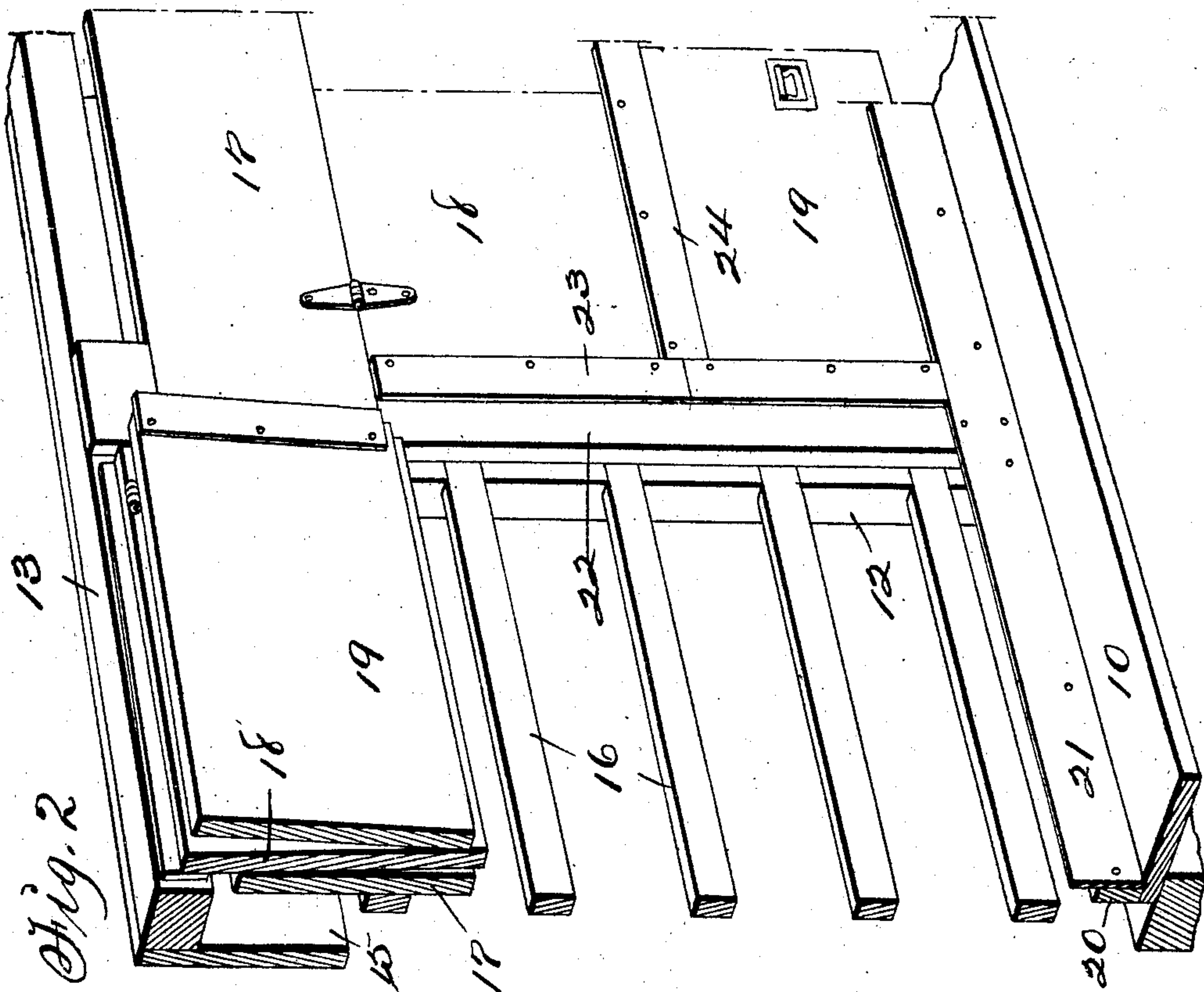
No. 850,678.

PATENTED APR. 16, 1907.

J. SHAW.

ADJUSTABLE WALL AND VENTILATOR FOR STOCK CARS.

APPLICATION FILED JAN. 9, 1905. RENEWED OCT. 15, 1906.



Witnesses:
R. B. Orwig
L. H. Orwig

Fig. 1

Inventor: Joseph Shaw
By Thomas G. Orwig, attorney.

UNITED STATES PATENT OFFICE.

JOSEPH SHAW, OF FORT DODGE, IOWA, ASSIGNOR OF ONE-HALF TO S. T. MESERVEY, OF FORT DODGE, IOWA.

ADJUSTABLE WALL AND VENTILATOR FOR STOCK-CARS.

No. 850,678.

Specification of Letters Patent.

Patented April 16, 1907.

Application filed January 9, 1905. Renewed October 15, 1906. Serial No. 339,104.

To all whom it may concern:

Be it known that I, JOSEPH SHAW, a citizen of the United States, residing at Fort Dodge, in the county of Webster and State of Iowa, have invented a new and useful Adjustable Wall and Ventilator for Stock-Cars, of which the following is a specification.

My object is to prevent animals being subjected to storms and severe cold while in stock-cars in transit or at rest at railway-stations, as required to promote their comfort and to prevent disease and loss of weight and value incident to a freezing temperature in a car in which animals are confined.

My invention consists in a foldable wall, combined with the inside skeleton walls of a stock-car, for closing and ventilating a car, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a transverse sectional view of one side of a car and shows the foldable wall closed against the inside of the bars of the skeleton wall, as required for protecting animals from cold and ventilating the car. Fig. 2 is a perspective view that shows the auxiliary or foldable wall in sections and the manner of connecting and adjusting them with the skeleton wall.

The numeral 10 designates the floor of the car, 12 the uprights of the skeleton side wall, 13 the top of the side wall, and 14 the roof. At the top and outside of the frame is a fixed siding 15, and at the inside of the uprights 12 horizontal bars 16 are fixed to the uprights to extend horizontally and parallel with each other as required to produce a skeleton wall. To the inside and top of the uprights are fixed boards 17 and to their lower edges are hinged short covers 18 to extend from one upright 12 to another, and to the lower edges of the covers 18 are hinged covers 19 of corresponding length.

A strip of wood 20 is fixed to the lower ends of the uprights 12 and on top of the floor 10, and a strip of metal 21, wider than the strip of wood 20, is fixed to the inside face of the strip of wood to project above the strip of wood to engage and detachably fasten the hinged covers 19 when folded down as required to produce a closed wall on the inside of the skeleton wall.

Narrow strips of wood 22 are fixed against the inside faces of the uprights 12 to engage

the ends of the hinged covers 18 and 19, and strips of metal 23 are fixed on the ends of said covers on their insides to overlie the wooden strips 22, as required to produce tight joints for preventing cold air from blowing into the car. A strip of metal 24 is fixed on the inside lower edge of the upper hinged covers 18 to overlie the top edges of the lower sections 19.

For supporting the hinged cover when folded upward, as indicated by dotted lines in Fig. 1, a hook 25 is pivotally connected with the top of the car to engage an eye 26 on the lower hinged cover to retain the folded section elevated, as shown, or other suitable devices may be used in place of hooks and eyes for the purpose.

The board fixed to the tops of the inside faces of the uprights 12 does not extend to their tops, and consequently an opening is provided at their top edges for purposes of ventilation when the hinged covers 18 and 19 are down, as required to produce a closed inner wall.

It is obvious the sides and ends of a stock-car can be thus readily and advantageously closed whenever desired for the purpose of concealing and protecting animals inclosed therein and the covers of the hinged wall readily elevated and suspended in summer-time, when the skeleton walls allow free circulation of air, as required to keep the animals cool.

Having thus set forth the purpose of my invention and its construction and application, the practical operation and utility thereof will be obvious to shippers of cattle and others familiar with the art to which it pertains.

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

1. In a stock-car having a skeleton side wall composed of uprights and horizontal bars, a board fixed to the inside faces of the uprights of the side wall and covers composed of two parts, an upper and a lower one, hinged together at their edges and the upper one hinged to the lower edge of the fixed board for the purposes stated.

2. In a stock-car having a skeleton side wall composed of uprights and horizontal bars, a board fixed to the inside faces of the uprights of the wall and covers composed of two parts, an upper and a lower one, hinged

together at their edges and the upper one hinged to the lower edge of the fixed board and means for detachably fastening the lower edge of the cover to the skeleton wall, 5 for the purposes stated.

3. In a stock-car having a skeleton wall composed of uprights and horizontal bars, a board fixed to the inside faces of the uprights of the wall, a foldable cover composed 10 of two parts, an upper and a lower one, hinged together at their edges and the cover hinged to the lower edge of the fixed board, a strip of wood fixed to the uprights in a horizontal position at their lower ends, a 15 strip of metal fixed to the strip of wood to project above the strip of wood for detachably fastening the lower edge of the hinged cover to the skeleton wall and a strip of wood fixed to the uprights in a vertical position, for the purposes stated. 20

4. In a stock-car having a skeleton wall composed of uprights and horizontal bars, a board fixed to the inside faces of the uprights of the wall, a foldable cover composed 25 of two parts, an upper and a lower one, hinged to the lower edge of the fixed board, a strip of wood fixed to the uprights, a strip of metal fixed to the strip of wood to project above the strip of wood for detachably fastening the lower edge of the hinged cover to the 30

skeleton wall, strips of wood fixed to the inside faces of the uprights and strips of metal fixed to the ends of the inside faces of the hinged covers to overlie the wooden strips on the uprights, for the purposes stated. 35

5. In a stock-car having a skeleton wall composed of uprights and horizontal bars, a board fixed to the inside faces of the uprights of the wall, a foldable cover composed 40 of two parts, an upper and a lower one, hinged together and the upper one hinged to the lower edge of the fixed board, a strip of wood fixed to the uprights and a strip of metal fixed to the strip of wood to project 45 above the strip of wood for detachably fastening the lower edge of the hinged cover to the skeleton wall, strips of wood fixed to the inside faces of the uprights, strips of metal fixed to the ends of the inside faces of the hinged cover to overlie the wooden strips 50 on the uprights and strips of metal fixed to the inside faces of the lower edges of the upper part of the hinged cover to overlie the inside faces of the top edges of the lower part, for the purposes stated.

JOSEPH SHAW.

Witnesses:

O. NEVILLE,
A. C. HARTNETT.