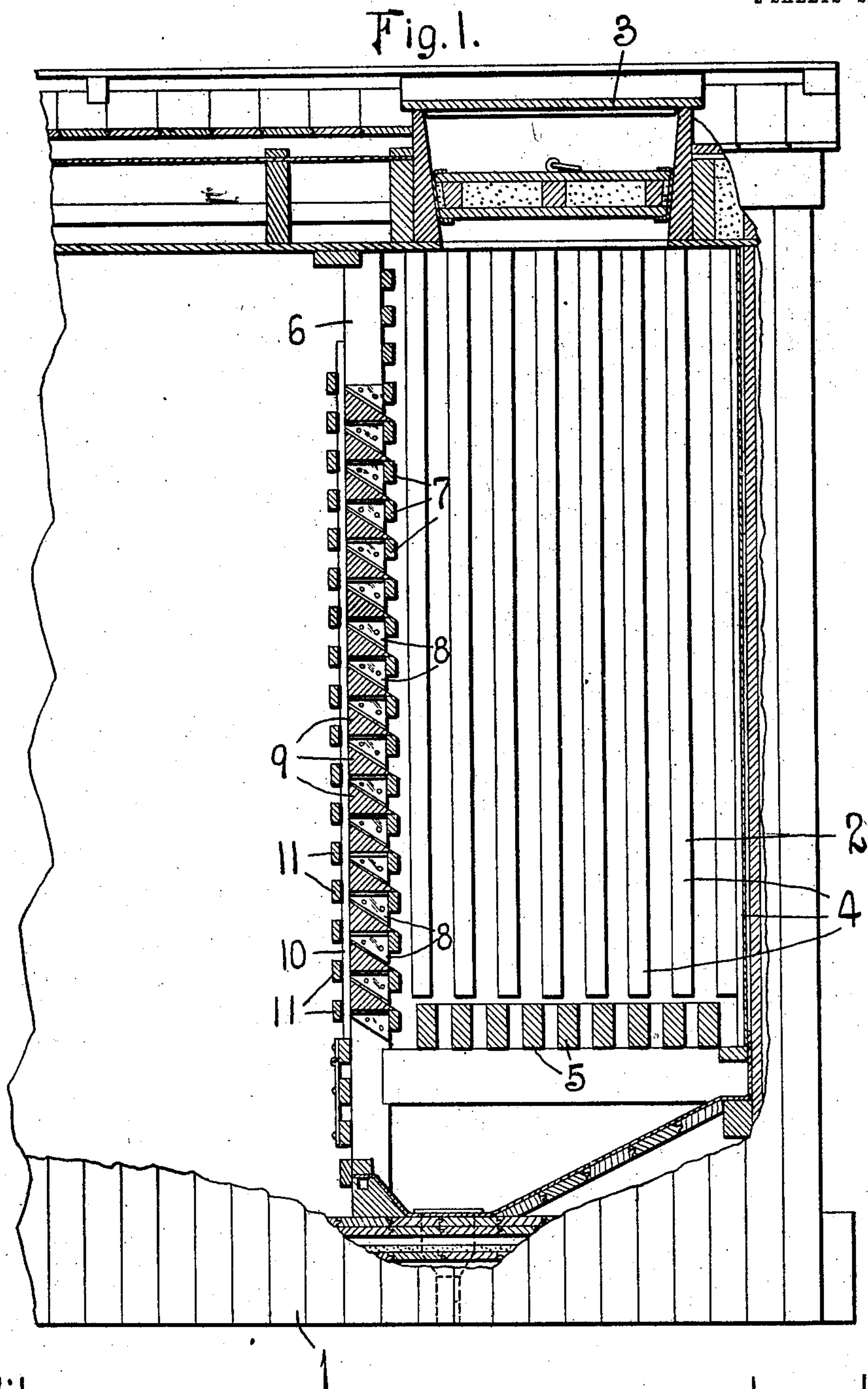


No. 833,752.

PATENTED OCT. 23, 1906.

C. SETZEKORN.
SLATTED PARTITION FOR REFRIGERATOR CARS.
APPLICATION FILED JAN. 20, 1906.

2 SHEETS—SHEET 1.



Witnesses
a. j. McCauley.
Edgar J. Farmer

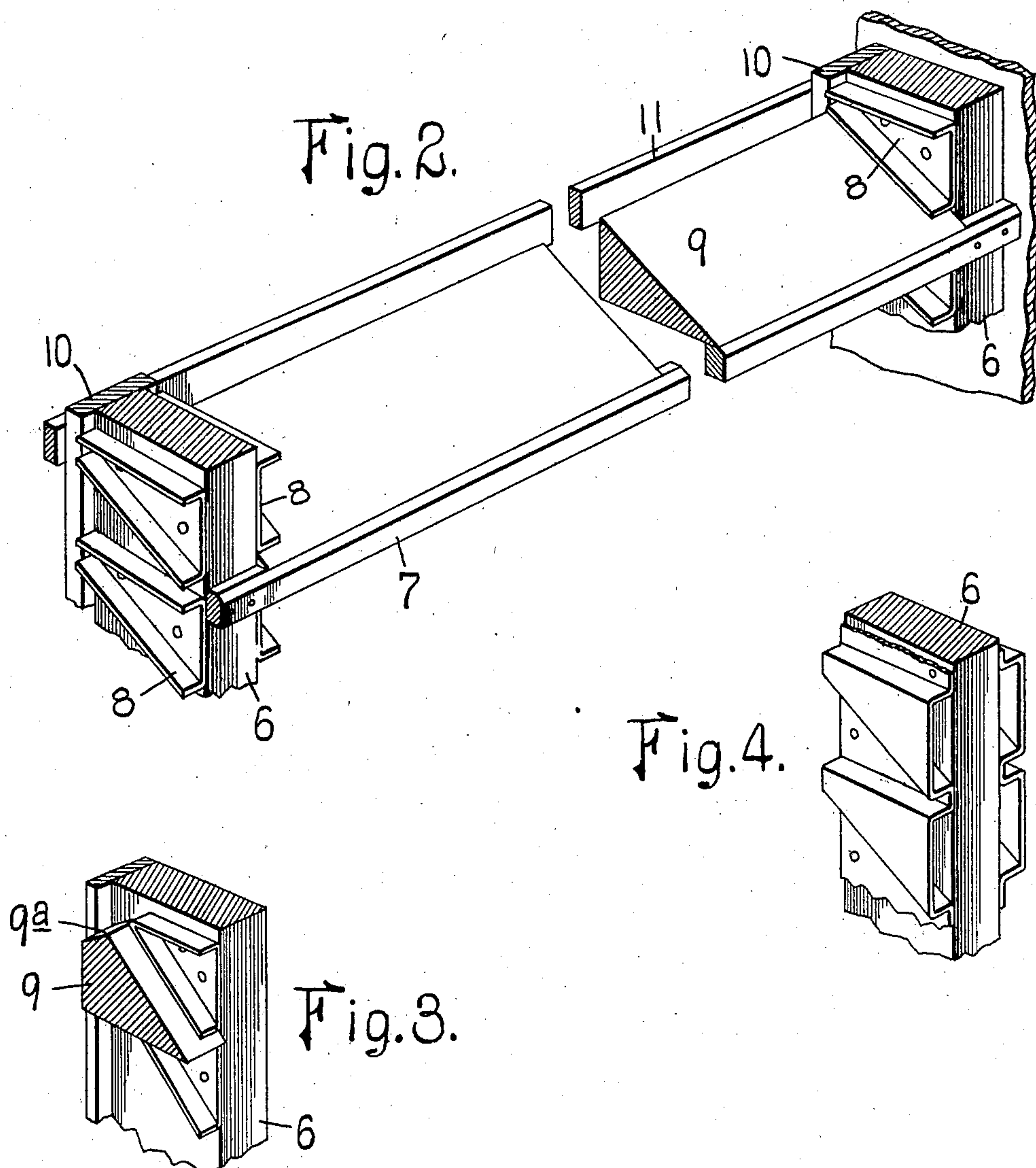
Inventor:
Conrad Setzekorn
by Bakewell Cornwall
Atty's.

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UNITED STATES PATENT OFFICE.

CONRAD SETZEKORN, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF
TO JOSEPH H. KERR, OF ST. LOUIS, MISSOURI.

SLATTED PARTITION FOR REFRIGERATOR-CARS.

No. 833,752.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed January 20, 1906. Serial No. 297,005.

To all whom it may concern:

Be it known that I, CONRAD SETZEKORN, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Slatted Partitions for Refrigerator-Cars, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a view showing one end of a refrigerator-car, partly in vertical section, illustrating my improved icing-head in position. Fig. 2 is a detail view showing the method of mounting the slats in the icing-head, and Figs. 3 and 4 are detail views of modified forms of mounts for said slats.

This invention relates to a new and useful improvement in a slatted partition employed in refrigerator-cars, which separates the ice-compartment from the storage-compartment of the car, the object being to simplify the construction of the partition, or "icing-head," as it is sometimes called, so that in the event of breakage or other causes necessitating the renewal of the parts or any of them the said partition can be repaired quickly and readily and at relatively small cost.

In the drawings, 1 indicates the body of a refrigerator-car, which may be constructed as usual, in one end of which is an ice-compartment 2, a door 3 opening through the roof of the car, through which door said ice-compartment may be iced and re-iced. The side walls of the ice-compartment around the end and side walls of the car are preferably provided with wear-strips 4. The slatted bottom 5 permits the water to drain through into the drain-trough and be discharged to the exterior.

6 indicates vertical posts extending from the floor to the ceiling of the car, which posts have secured to their inner faces horizontally-disposed strips 7, against which the ice in the ice-compartment rests. The side faces of these posts are provided with flanged mounts 8, as shown in Fig. 2, the upper flanges of each mount being preferably horizontally disposed and constituting a support for a triangular strip 9, introduced between the post, and whose apex extends inwardly with re-

spect to the ice-compartment over the strips 7. The bottom flange of each mount is obliquely arranged and constitutes a stop for the triangular strips 9, holding said strips against upward displacement and inward movement.

The space provided by the converging ends of the flanges of the mounts determines the space between the triangular strips 9 and through which the air may circulate. The triangular strips 9 are held in position by strips 10, secured to the outer faces of the posts 6, as shown in Fig. 2, the said strips being wider than the posts are thick, so that the side edges thereof overlap the ends of the triangular strips 9.

Horizontally-disposed slats 11 are arranged outside of the strips 10 to prevent articles in the storage-compartment from resting against the triangular strips 9, and so interfering with the circulation of the air. It will be observed that the slats 11 are approximately opposite the spaces between the triangular strips 9 and, further, that the slats 7 are arranged under the apices of the triangular strips 9, so that the air passing to or from the ice-compartment is compelled to follow a tortuous path. The advantage of this is not only evidenced when the car is used as a refrigerator-car and compartment 2 contains ice, but where the car has no ice and the roof-door is raised so as to induce a circulation of air through the car, and thus ventilate it. The air entering through the door will be forced downwardly into the ice-compartment and thence through the icing-head, being diffused in its passage through said head throughout, substantially the entire storage-compartment.

In Fig. 3 I have shown a modified form of triangular strip 9, wherein the upper corner of the strip, as at 9^a, has been removed to increase the space between the strips.

In Fig. 4 I have shown a modified form of mount in which, instead of being made up of separate pieces, the strip is embossed and secured to the vertical post as an entirety.

I am aware that minor changes in the construction, arrangement, and combination of the several parts of my device can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

Having thus described the invention, what

is claimed as new, and desired to be secured by Letters Patent, is—

1. The combination with supporting-posts, of mounts carried thereby, triangular strips supported by said mounts, and backing-strips secured to the posts and extending laterally over the ends of the triangular strips to hold them in position; substantially as described.
2. The combination with posts, of mounts arranged thereon, said mounts comprising a horizontally-disposed portion and an obliquely-arranged portion, and triangular strips supported by said mounts; substantially as described.
3. The combination with posts, of mounts arranged thereon and having a horizontal portion and an oblique portion, triangular strips arranged in said mounts between said posts, and means for holding said triangular strips in position; substantially as described.
4. The combination with supporting-posts having slats 7 secured to one side thereof, and triangular strips arranged between the posts, and whose apices extend over the upper faces of said slats; substantially as described.
5. The combination with supporting-posts,

of triangular strips arranged therebetween, means for holding said triangular strips in position, guard-slats arranged behind the triangular strips and substantially in horizontal alinement with the spaces between the strips; substantially as described.

6. The combination with vertical posts having mounts arranged on the side faces thereof, triangular strips supported in position by said mounts and whose apices extend inwardly beyond the posts, slats 7 arranged under the apices of said triangular strips, vertically-disposed strips 10 secured to the rear faces of the posts and overlapping the ends of the posts for holding the same against displacement, and slats 11 secured to the strips 10 and substantially in horizontal alinement with the spaces between the triangular strips; substantially as described.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 17th day of January, 1906.

CONRAD SETZEKORN.

Witnesses:

JOSEPH H. KERR,
GEORGE BAKEWELL.