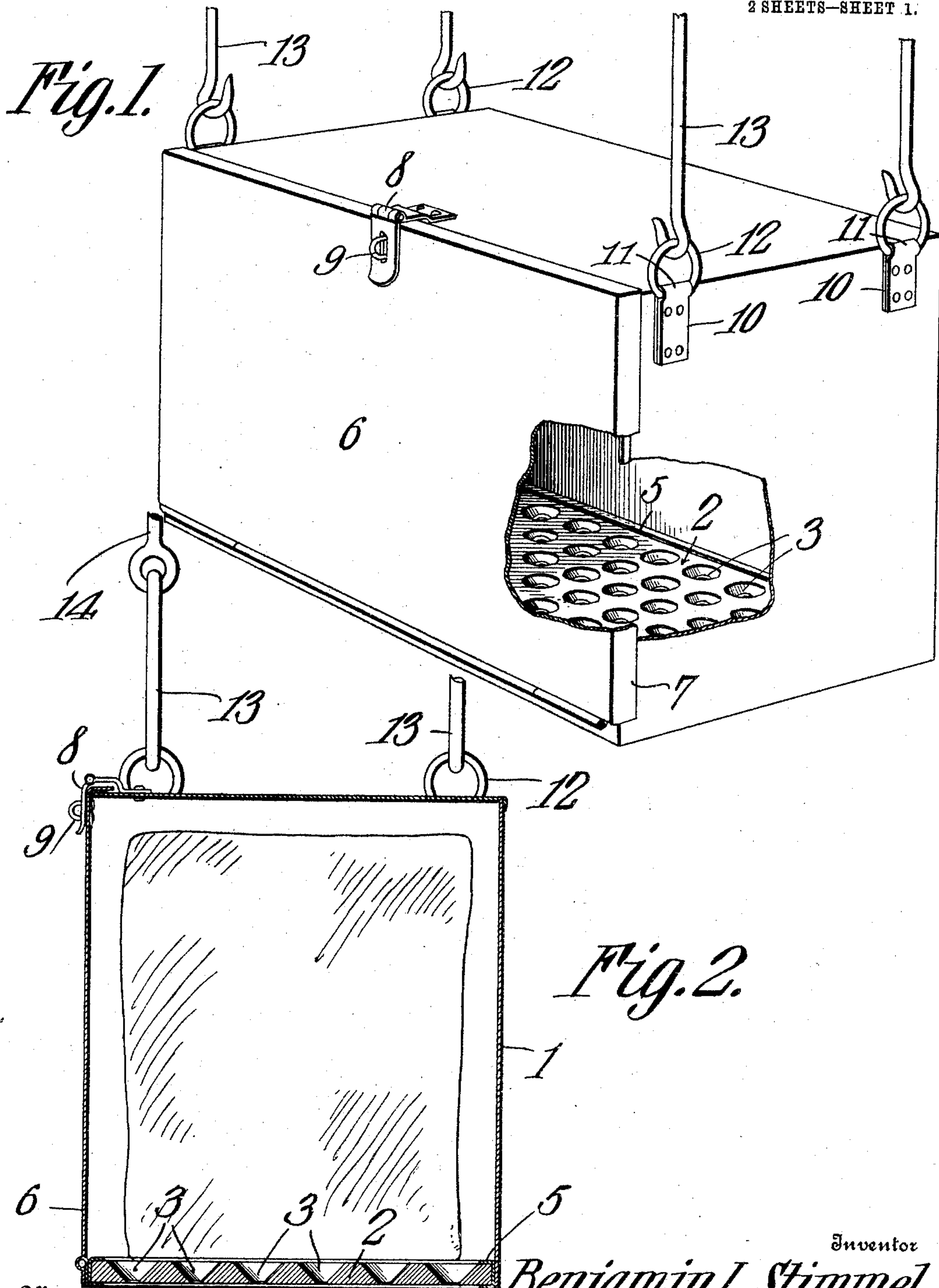


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COOLING ATTACHMENT FOR STOCK CARS.  
APPLICATION FILED APR. 28, 1908.

929,725.

Patented Aug. 3, 1909.

2 SHEETS—SHEET 1.



Witnesses  
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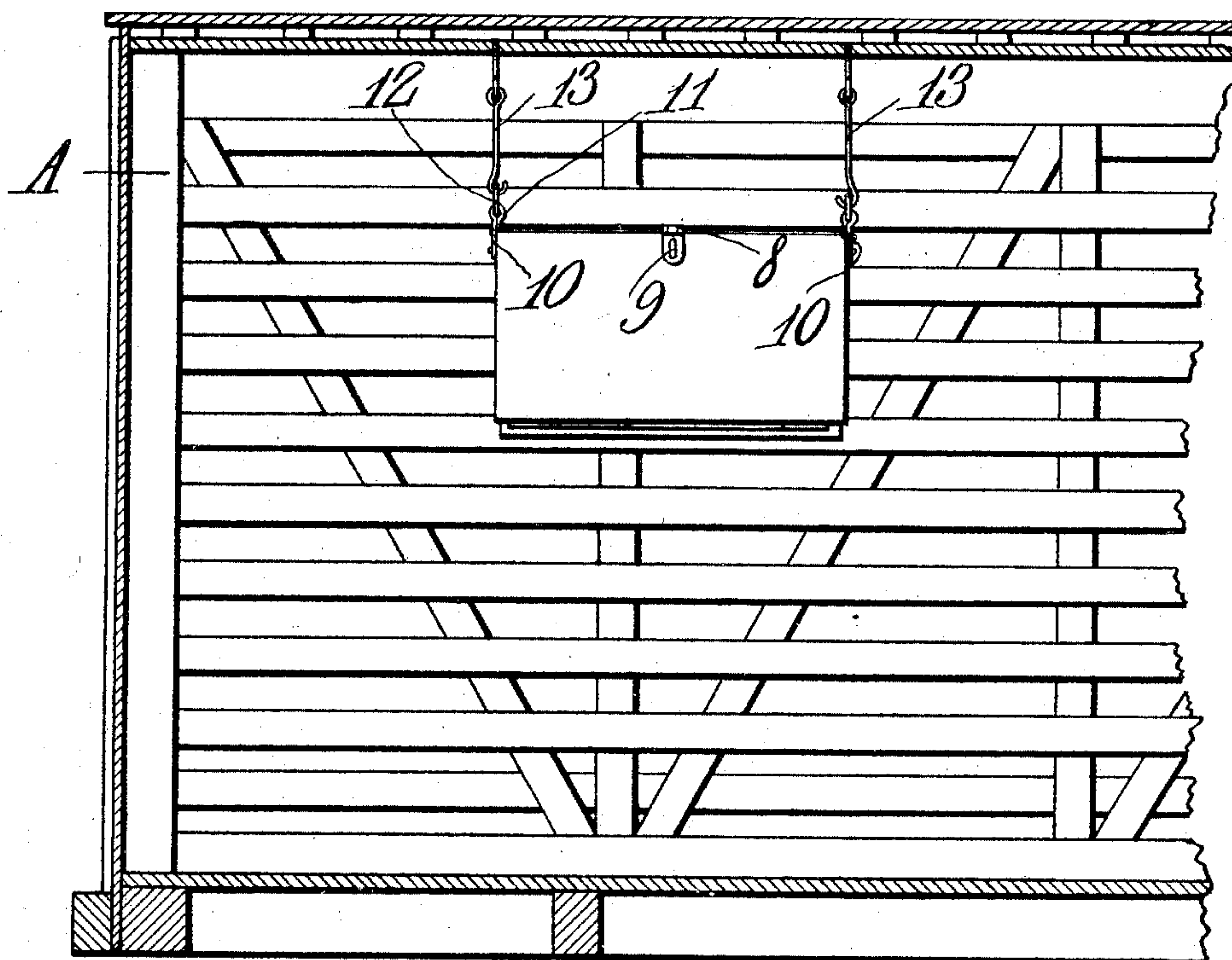
Inventor  
Benjamin L. Stimmel.  
By *Chas. H. Snow*  
Attorneys

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*Fig. 3*



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*E. H. Hunt*  
*Herbert D. Lawson*

Inventor  
*Benjamin L. Stimmel*  
334 *C. A. Snow & Co.*  
Attorneys



# UNITED STATES PATENT OFFICE.

BENJAMIN L. STIMMEL, OF HENNESSEY, OKLAHOMA.

## COOLING ATTACHMENT FOR STOCK-CARS.

No. 929,725.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed April 28, 1908. Serial No. 429,736.

*To all whom it may concern:*

Be it known that I, BENJAMIN L. STIMMEL, a citizen of the United States, residing at Hennessey, in the county of Kingfisher and State of Oklahoma, have invented a new and useful Cooling Attachment for Stock-Cars, of which the following is a specification.

This invention relates to cooling attachments for stock cars.

Heretofore considerable loss has been experienced by shippers of live stock because of the large number of deaths of the stock, particularly hogs, while being transported during hot weather.

The object of the invention is to provide a simple form of attachment which can be readily positioned within a stock car and filled with ice, said attachment being so constructed that the ice water will be free to drip from the bottom thereof onto any of the stock thereunder. The ice therefore not only serves to cool the atmosphere but the water therefrom, by dripping onto the stock, further assists in preventing the fatalities due to the heat.

Another object is to so mount the attachment that the same will be capable of swinging relative to the car and thus distribute the ice water over a large area.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a perspective view thereof, partly broken away, only portions of the hangers being shown. Fig. 2 is a vertical transverse section through the attachment. Fig. 3 is a view of a portion of a stock car having the present improvement in position therein.

Referring to the figures by characters of reference, 1 designates a casing preferably rectangular in outline and the bottom of which is preferably formed of a heavy metal slab 2 having a plurality of inverted conical openings 3 therein through which ice water is designed to flow. These openings extend over practically the entire surface of the slab and the slab is connected to the walls of the receptacle in any preferred manner as by forming superposed cleats 4 and 5 upon the inner surfaces of the walls and between

which the slab is mounted. By forming the bottom of a heavy metal plate it is possible to construct the remaining portion of the attachment of comparatively thin sheet metal without, however, any danger of the attachment buckling under the weight of the ice placed therein. A door 6 is hingedly connected to the lower portion of the attachment and preferably constitutes one wall of said attachment, the door being provided with flanges 7 for lapping the ends and top respectively of the casing when the door is closed. Suitable means such as a hasp 8 and a keeper 9 are provided whereby, by means of a lock of any desired form, the door can be secured in closed position. Connected to the upper portions of the ends of the casing are straps 10 folded to form eyes 11 in which are mounted rings 12. These rings are engaged by the lower hooked ends of hangers 13. Each of these hangers engages an eye bolt 14 or other suitable connecting device designed to be secured to the roof of a stock car A and it will be apparent therefore that when the attachment has been suspended by means of these hangers it will be free to swing in any direction.

In using the device the door 6 is opened and a cake of ice is placed within the casing, after which the door is closed. The heat of the atmosphere will of course cause the ice to gradually melt and the ice water will drip down through the openings 3 and will fall on any of the stock thereunder. It will be seen therefore that the air will not only be cooled by the ice and thus afford relief to the stock but the cold water dripping on the animals will further cool them. The attachment will swing as a result of the movement of the car so that the water dripping therefrom will be spread over a relatively large area. By providing a car with three or four of these attachments the danger of fatalities due to the heat will be practically entirely eliminated. The attachment is very simple, durable, and efficient and can be readily placed in position. Although the attachment has been described as particularly designed for use in stock cars it is to be understood that it can also be used in any inclosure where animals are confined.

What is claimed is:

1. The combination with a stock car, of a cooling attachment suspended and mounted to oscillate within the upper portion of said structure, there being sufficient space below



the bottom of the attachment to permit the movement of live stock thereunder, said attachment comprising an ice receptacle having a bottom provided with a plurality of  
5 outlets for discharging ice-water upon the live stock below the attachment, and upon the floor of the structure.

2. The combination with a stock car, of an ice receptacle suspended within the upper  
10 portion of the structure, there being sufficient space between the floor of the structure and the receptacle to permit the passage of live stock, pivotally supported means for supporting the receptacle within the struc-  
15 ture, the bottom of said receptacle having a plurality of outlets for ice-water for spraying it upon the floor of the structure and upon live stock below the receptacle, said  
20 apertured bottom constituting a rest for ice contained within the receptacle.

3. The combination with a stock car, of a spraying device comprising a receptacle having a plurality of conical apertures in the bottom thereof, said bottom constituting a

rest for ice contained within the receptacle, 25  
hangers detachably and pivotally connected to the receptacle, and means for attachment to a car roof for loosely engaging the hangers and supporting the receptacle to permit  
30 oscillation thereof.

4. The combination with a car structure and connecting devices depending from the roof thereof, of an ice receptacle having aper-  
tures in the bottom thereof for the discharge  
35 of ice water, hangers loosely engaging the connecting devices and disposed to oscillate in any direction, and means secured to the receptacle for detachably and loosely en-  
gaging the lower ends of the hangers, said  
40 receptacle being movable with the hangers to scatter ice water upon the floor of the car.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

BENJAMIN L. STIMMEL.

Witnesses:

F. E. FELT,  
GLEN B. SMITH.