(No Model.)

H. A. LEWIS.

STOCK CAR.

No. 276,053. Patented Apr. 17, 1883.

Fig. 1.

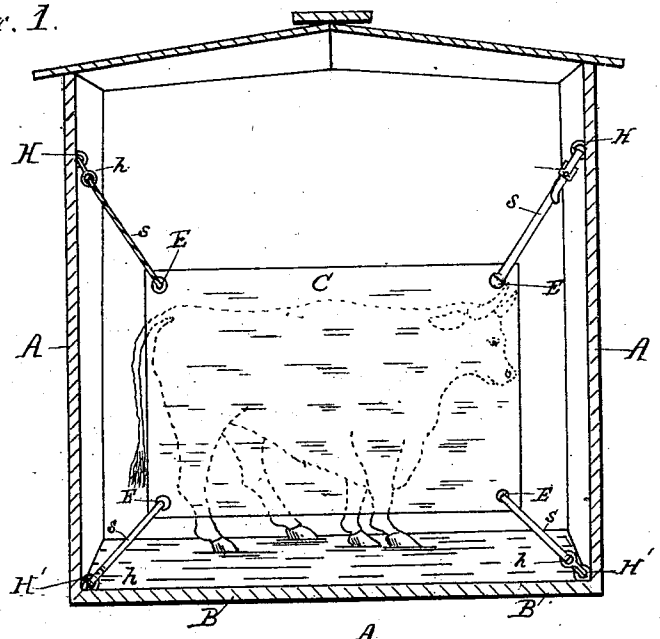


Fig. 2

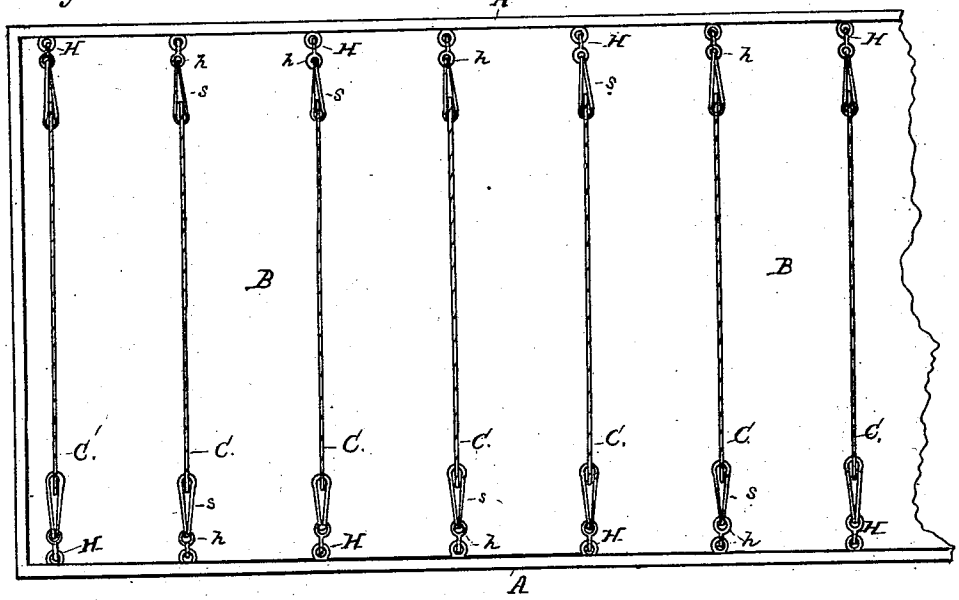
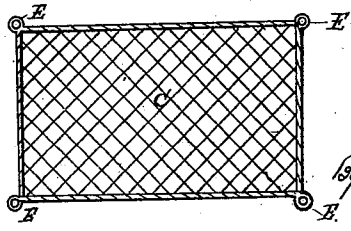


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY A. LEWIS, OF WICHITA FALLS, TEXAS.

STOCK-CAR.

SPECIFICATION forming part of Letters Patent No. 276,053, dated April 17, 1883.

Application filed December 14, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. LEWIS, a citizen of the United States, residing at Wichita Falls, in the county of Wichita and State of Texas, have invented certain new and useful Improvements in Stock-Cars, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain improvements in animal-stalls for stock-cars; and it has for its object to provide these stalls in such a manner that they can be readily and cheaply applied to and removed from the cars; and it also has for its further object to provide for rendering the stall-partitions laterally yielding or elastic, and yet under such a degree of tension as to withstand or resist the movements of the animals, the details of which will hereinafter more fully appear, before entering into which, however, I desire to state generally my knowledge of the state of the art to which my invention relates, in order that the public may readily see from the face of these letters themselves what advance I have made, and in what consists my improvement. To my knowledge canvas (the material which I prefer to employ) has heretofore been used for the purpose of forming a stall-partition. I am further informed that ropes have been used in connection with such canvas, the arrangement of which, however, has been such as to permit of the partition becoming saggy or loose, or to necessitate the employment of additional vertically-arranged ropes, resulting, on the one hand, in allowing the animals too much side play, or, on the other, in an unnecessary consumption of material, (aggregating a considerable sum in fitting up five hundred cars,) boring of holes, and tying of ropes. My object is to overcome these practical hinderances to the successful introduction of yielding stock-car stalls, the means of accomplishing which are illustrated in the accompanying drawings, forming a part of this specification.

Figure 1 is a transverse sectional view, showing the interior of a car, which may be of any of the forms in general use, the same having my improved stall applied thereto. Fig. 2 is a plan with the top of the car removed and one end broken away, showing the relative arrangement of the stall-partitions; and Fig. 3 is a detailed view of one of the partitions, showing the construction when made of netting.

The letter A represents the sides of the car, and B the floor of the same.

The letter H indicates a series of eyebolts arranged along each side of the car, at suitable distances apart, preferably about twenty inches from center to center, and at a suitable height above the floor of the car. At the junction of the sides A and bottom B, or very nearly at that point, is secured a series of similar eyebolts, H′.

The letter C designates a piece of canvas, bagging, jute, netting, or other flexible material, of rectangular form, having an eyelet, E, in each corner, through which are inserted the straps or ropes S. At one end of each of the straps S is fastened a hook or ring, *h*, the other ends of the straps being passed through the eyelets E and secured in any convenient manner. The straps may be of elastic material, and may be provided with buckles or sister hooks for greater security in fastening them to the respective upper and lower series of eyebolts. This arrangement gives great power in stretching the canvas, and at the same time permits of its ready and quick removal, leaving the interior of the car unobstructed and adapted to freighting purposes. A few inches from the ends of the car I place the canvas C′ as a fender, to prevent the side of the animal from coming in contact with the end of the car. I prefer to make the partitions of strong netting, as it affords better ventilation, and is also cooler for the animals in the summer-time. When the partitions are made of netting I use textile material for the purpose, and surround it with a strong bolt-rope, as shown in Fig. 3. This construction permits the partition, when removed from the car, to be folded up and packed in small space for transportation.

Having described my invention, what I desire to secure by Letters Patent and to claim is—

1. In a stock-car, the combination of a series of spaced eyebolts along the lower corners and sides of the frame of the car with a series of flexible partitions having connecting ropes or straps extending radially from the corners of the partitions, whereby a multiplication of stock-stalls is formed and the parti-

tions kept stretched or taut, substantially as described.

2. In a stock-car, the combination of a series of spaced eyebolts along the lower corners and sides of the frame of the car with a series of flexible partitions having elastic connecting ropes or straps extending radially from the corners of the partitions, whereby a multiplication of stock-stalls is formed, and the partitions kept stretched or taut and rendered capable of yielding, substantially as described.

3. The combination of eyebolts H along the sides of the car, and the eyebolts H′ in the corners formed by the junction of the sides and floor of the car, with partitions of netting composed of twine, cotton cord, flax, or similar material, surrounded by a bolt-rope having eyelets in each corner, adapted to be drawn in radial directions (from each corner) by elastic straps or ropes, substantially as described, and for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY A. LEWIS.

Witnesses:
MORTON TOULMIN,
W. T. JOHNSON.