

J. B. SLICHTER.
Car Roofs.

No. 142,129.

Patented August 26, 1873.

Fig. 1.

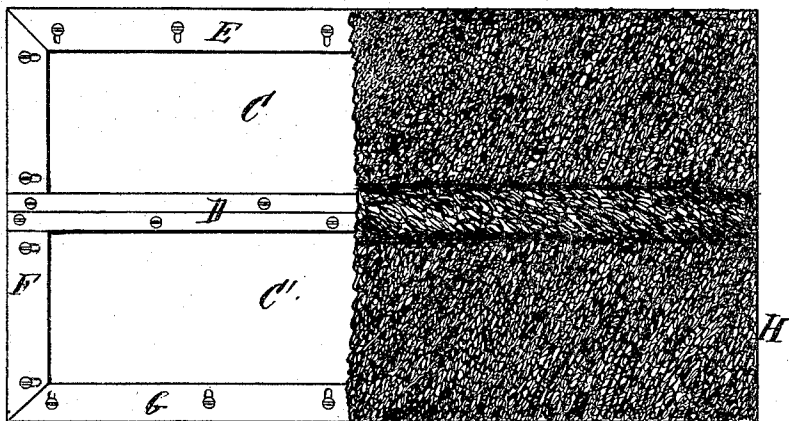
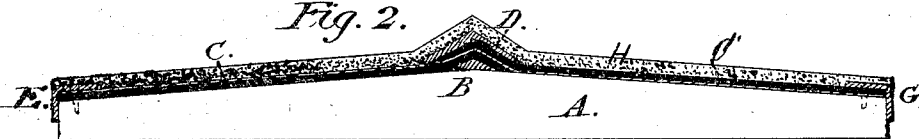


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JACOB B. SLICHTER, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN CAR-ROOFS.

Specification forming part of Letters Patent No. **142,129**, dated August 26, 1873; application filed April 12, 1873.

To all whom it may concern:

Be it known that I, JACOB B. SLICHTER, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Car-Roofing; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a top view of a car-roof with my improvement applied thereto, and Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate like parts in both figures of the drawing.

My invention relates to that class of car-roofs which are covered with felting, upon which a coating of cement is applied, and has for its object to so secure the felting to the sheeting-boards of the roof as to prevent the same from being injured by the rocking of the car; and to that end it consists in the combination and arrangement of the parts employed, all of which will be more fully understood by the following description.

In the drawing, A represents the sheeting of the roof, which is arranged in the usual manner. B is a rib, which is secured upon the center of the roof and extends longitudinally the entire length of the same. This rib is composed of felt or other elastic substance. C and C' is the felting, which is loosely placed upon the sheeting of the roof in such a manner as to allow the inner edges to lap one over the other and over the rib B, the outer edge of the felting extending to the outer edge of the roof, as shown in Fig. 2. D is a strip of sheet metal, which is bent in a V shape, and is firmly secured to the roof of the car over the point or lap of the felting and upon the rib. This strip of metal extends longitudinally the entire length of the car, and is secured to the sheeting of the

roof in any permanent manner. E, F, and G are sheet-metal angle-plates, which are permanently secured to the edges of the roof over the outer edges of the felting, as shown in Fig. 1. These plates are provided with apertures, through which are passed screws *a*, the said screws passing through an elongated aperture formed in the felting, as shown by dotted lines, Fig. 1. These plates are arranged slightly above the felting, or, in other words, are secured to the sheeting of the roof, in such a manner as to allow the felting to lie loosely under the same, the object being to allow the felting to move under the plates as the roof of the car may be rocked, thereby preventing the felting from being torn or otherwise injured. H is a coating of cement, which is applied to the surface of the felting and over strip D and plates E, F, and G, as shown in Fig. 1. This cement may be composed of any known compound that will render the roof water-tight.

I do not wish to confine myself strictly to the use of felting, as canvas or other similar material may be used.

I am aware that a joint in roofing material has been previously constructed by lapping the felting between a ridged angular strip and a bent metal plate, the same extending transversely across the roof, and the edges of the felting secured to the edge of the roof by means of a flat metal plate; but such I do not claim; but

What I do claim as my invention is—

In combination with the felting C C', elastic rib B, and V-shaped strip D, the angle-plates E F G and cement H, all arranged substantially as and for the purpose specified.

The above specification of my invention signed by me this 11th day of December, 1872.

JACOB B. SLICHTER.

Witnesses:

N. H. SHERBURNE,
N. B. GREENE.