

J. O'NEILL.
Car-Mats.

No. 145,588.

Patented Dec. 16, 1873.

Fig. 1.

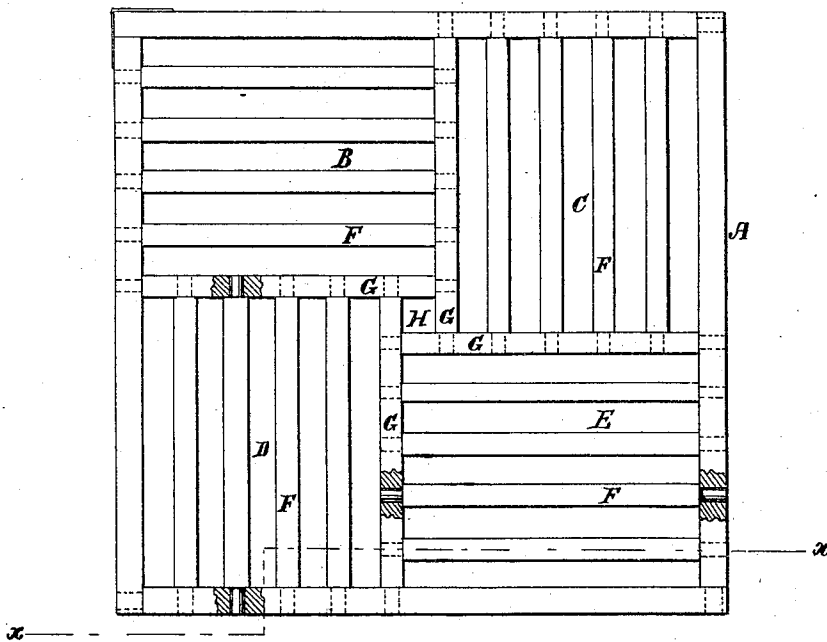


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN O'NEILL, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CAR-MATS.

Specification forming part of Letters Patent No. **145,588**, dated December 16, 1873; application filed August 23, 1873.

To all whom it may concern:

Be it known that I, JOHN O'NEILL, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Car-Mats, of which the following is a specification:

The floors of street-cars are usually covered with a wooden grating made in sections called "car-mats." The mat extends the entire length of the floor, and covers the space between the seats. This kind of mat is preferred, as the dirt and dust drop down between the slats or bars, which keep the surface comparatively clean. As these mats are now made, the slats or bars are made to run all in one direction, either longitudinally or transversely with the car, and the consequence is they soon become broken, the mat useless, and required to be removed. My invention consists in forming each separate section with groups of slats, arranged at right angles with each other, thereby greatly strengthening the mat and rendering it durable.

In the accompanying drawing, Figure 1 represents a section of the mat. Fig. 2 is a vertical section of Fig. 1 taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is a frame of one section, of square or oblong form, designed to correspond in one direction with the width of the car, and in the

other direction to be about one-fifth, more or less, of the length of the floor of the car. Each section is provided with four groups of slats or bars, the groups being designated in the drawing by the letters B, C, D, and E. F represents the separate slats or bars, and G the partition-bars which separate the different groups. The partition-bars G are connected with each other, and form a central opening, H, as seen in the drawing. The other ends of the partition-bars enter the frame A. One end of all the slats or bars F enters the partition-bars G, and the other ends enter the frame A. The frame and partition-bars are broken away in the drawing to show the tenons and mortises or holes by which the parts are connected together. The whole arrangement of tenons and mortises or holes is seen in dotted lines.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A sectional car-mat formed of slats or bars, arranged in groups at right angles with each other, as herein shown and described, and for the purpose set forth.

JOHN O'NEILL.

Witnesses:

H. N. TAFT,
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