

L. BASTET.
Insulating Railroad-Track.

No. 209,215.

Patented Oct. 22, 1878.

Fig. 1

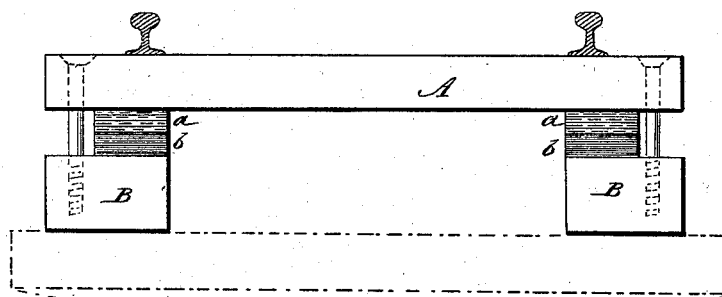
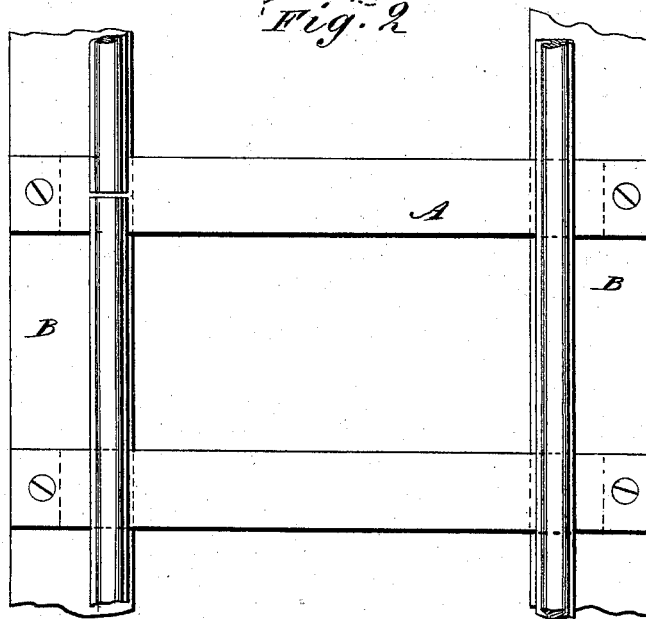


Fig. 2



WITNESSES:

C. Neveu
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UNITED STATES PATENT OFFICE.

LOUIS BASTET, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN INSULATING RAILROAD-TRACKS.

Specification forming part of Letters Patent No. **209,215**, dated October 22, 1878; application filed August 3, 1878.

To all whom it may concern:

Be it known that I, LOUIS BASTET, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Device for Insulating Railroad-Rails and Machinery, of which the following is a specification:

Figure 1 is a transverse section of a railway embodying my improvements. Fig. 2 is a plan view of the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to insulate the rails of railroads from the structure upon which they rest, so that the vibrations caused by passing trains will not be communicated to the supporting structure, so as to be diffused.

To effect the insulation of the ties upon which the rails rest I interpose between the tie A and the trestle or girder B, upon which it rests, a compound block consisting of a layer, *a*, of stone, preferably of the porous kind, and a layer, *B*, of thick felt. These are arranged horizontally, with the stone uppermost, and in contact with the under side of

the tie. The tie is secured to the trestle by means of bolts having lead washers under the nuts and heads.

By this device the continuity of the structure is broken, so that vibrations cannot be communicated from the tie to the trestle or girder.

The rails are secured to the ties in the usual manner; but they are not secured together by fish-plates.

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

1. A sound-deadener between the ties and girders of railroads, formed of an upper stone layer, *a*, and a subjacent felt layer, *b*, as shown and described.

2. The combination of an insulator composed of stone and felt with the ties and tie-supports of a railway, substantially as herein shown and described.

LOUIS BASTET.

Witnesses:

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