

W. Emmons.

Railroad Track.

N^o 2,772.

Patented Sept. 3, 1842.

Fig. 3.

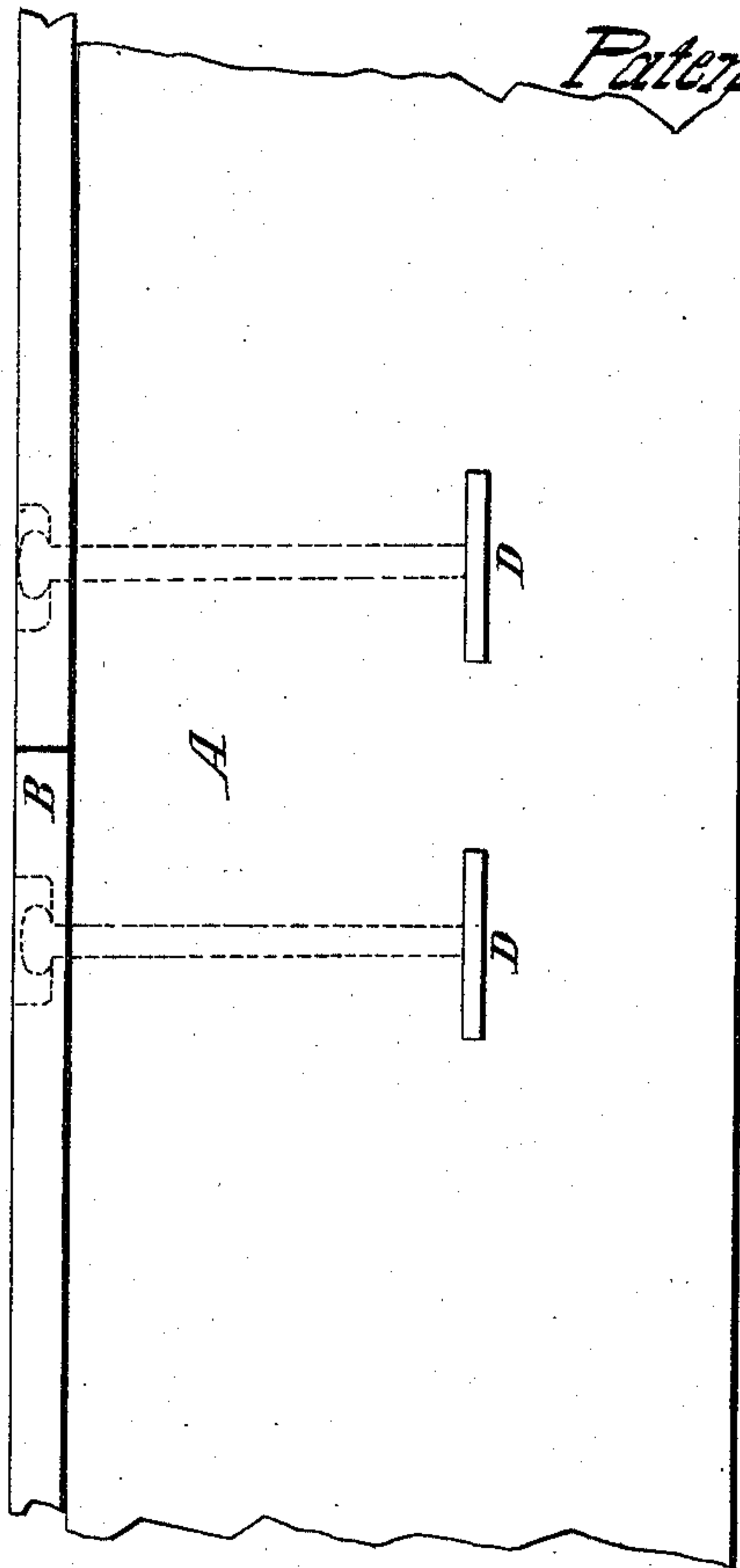


Fig. 2.

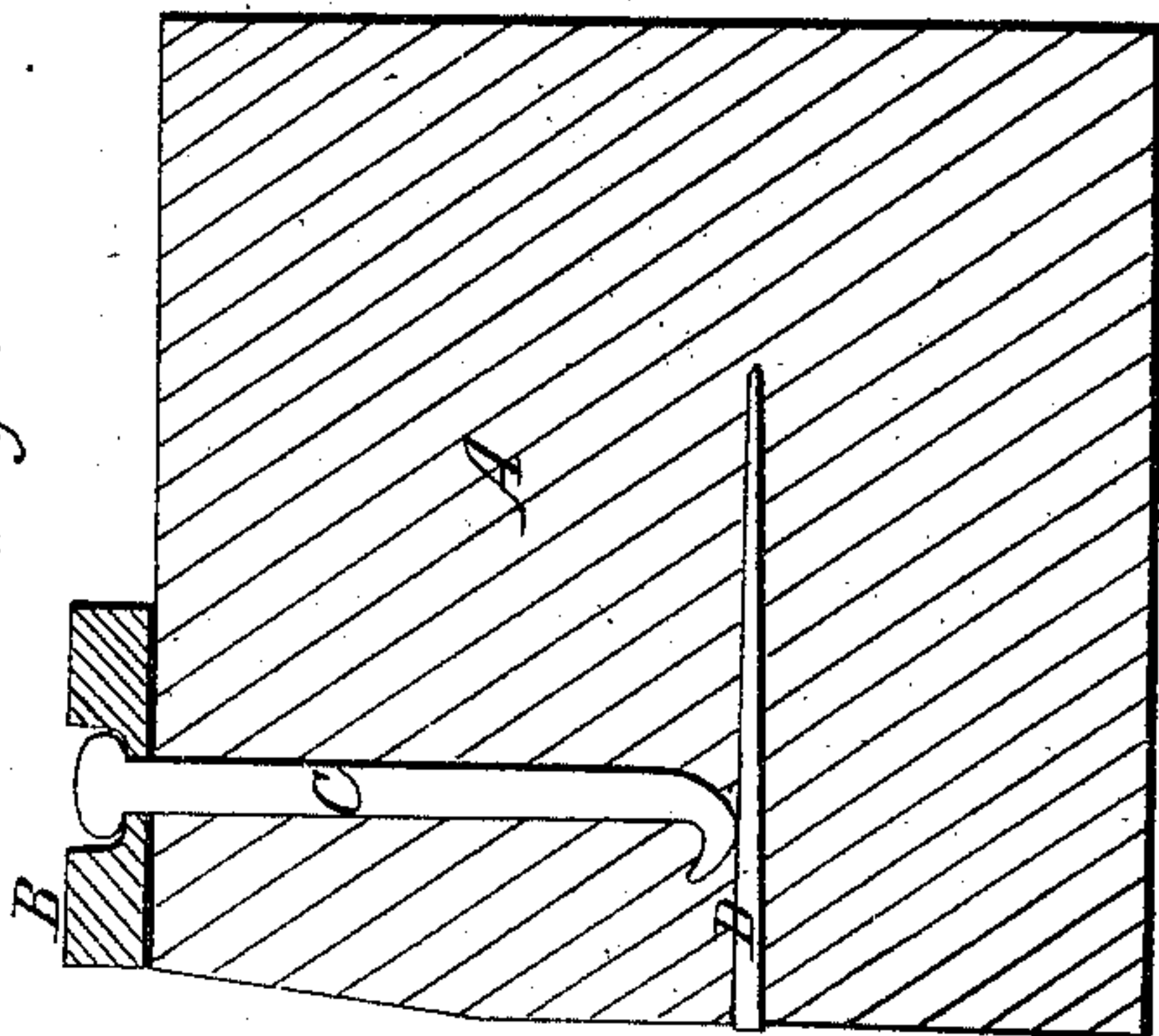
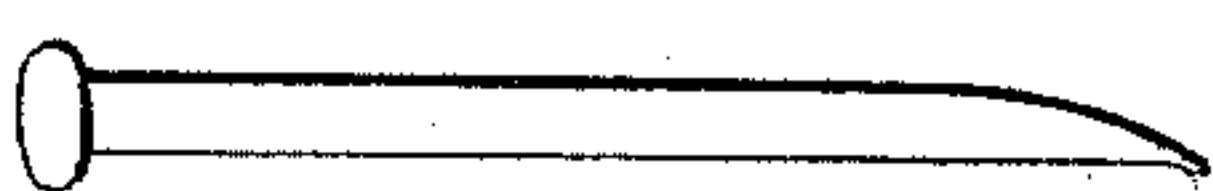


Fig. 1.



UNITED STATES PATENT OFFICE.

WILLIAM EMMONS, OF NEW YORK, N. Y.

MANNER OF CLENCHING SPIKES, &c., TO BE USED IN SECURING THE IRON RAILS OF RAILROADS AND FOR OTHER PURPOSES.

Specification of Letters Patent No. 2,772, dated September 3, 1842.

To all whom it may concern:

Be it known that I, WILLIAM EMMONS, of the city, county, and State of New York, have invented a new and useful mode of
5 more effectually securing the iron rails to the wooden superstructure of railroads by causing the spikes by which they are secured to be clenched when driven; and I do hereby declare that the following is a
10 full and exact description of the improvement, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 represents the common spike prepared to be driven by having had its point bent one side until the bevel, or taper, of the small end or point shall be nearly, or
15 entirely on the one side.

Fig. 2 is a transverse section of the wooden and iron rails. A, the wooden rail; B, the iron rail; C the holding down spike clenched when driven (after being prepared as at Fig. 1) by its point coming in contact with the iron plate or wedge D, which said
20 wedge or plate D, is driven in from the side of the wooden rail, and at such distance from its upper surface (according to the length of the spikes used) as will cause the spike to be sufficiently clenched by its point
25 coming in contact with said wedge or plate

D, and the degree of clench can be varied at pleasure, by varying the distance of the wedge or plate D, from the upper surface of the rail, the length of the spikes remaining the same.

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Fig. 3 is a side elevation of the rails showing the ends of the clenching plates D D. The clenching plates or wedges being of sufficient width, the direction of the clench may be varied at pleasure. I use the same
40 mode of clenching the spikes for securing of the I, or other kind of rails for railroads where spikes are used, or for the securing the chairs for the iron rails, or in the securing other parts of railroads where it is
45 desirable to have the spikes clenched, and performing clenches for other purposes.

What I claim as my invention and desire to secure by Letters Patent, is—

The application and use of the above said
50 metallic wedges or plates D, for the purpose of causing the spikes used for securing the iron rails, or chairs, or other parts of railroads, to be clenched in manner above described and for other purposes.

WILLIAM EMMONS.

Witnesses:

WM. H. BOGARDUS,
ARCHA. ROBT. BOGARDUS.