

G. D. BLAISDELL.
RAILROAD-TIE.

No. 176,213.

Patented April 18, 1876.

Fig. 1.

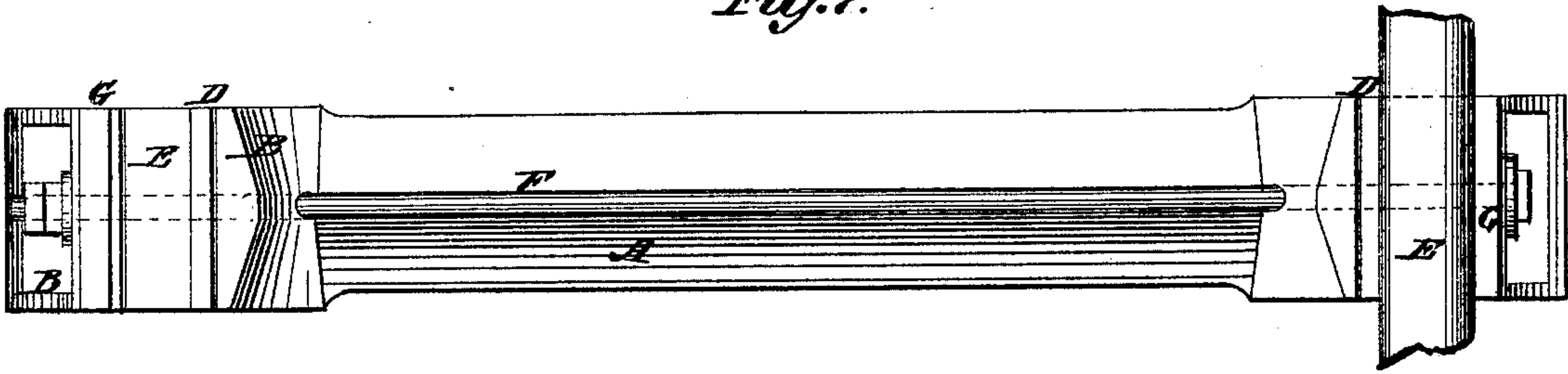


Fig. 2.

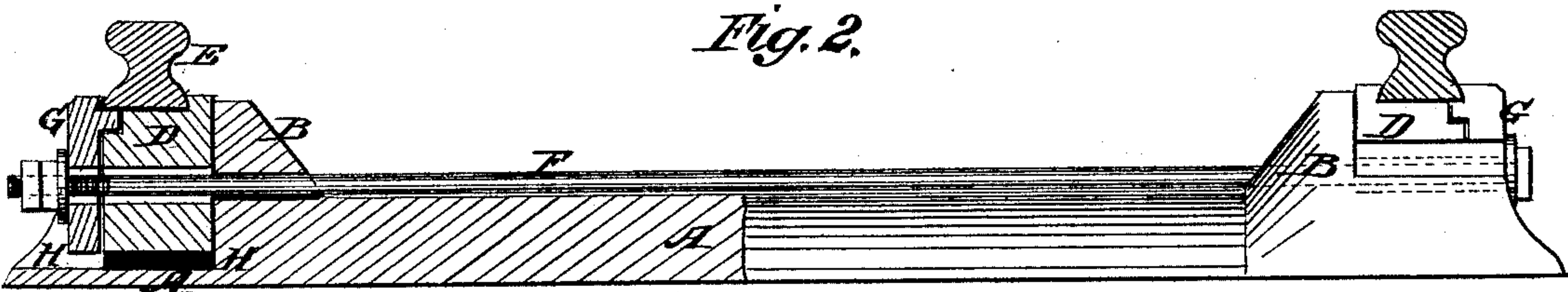
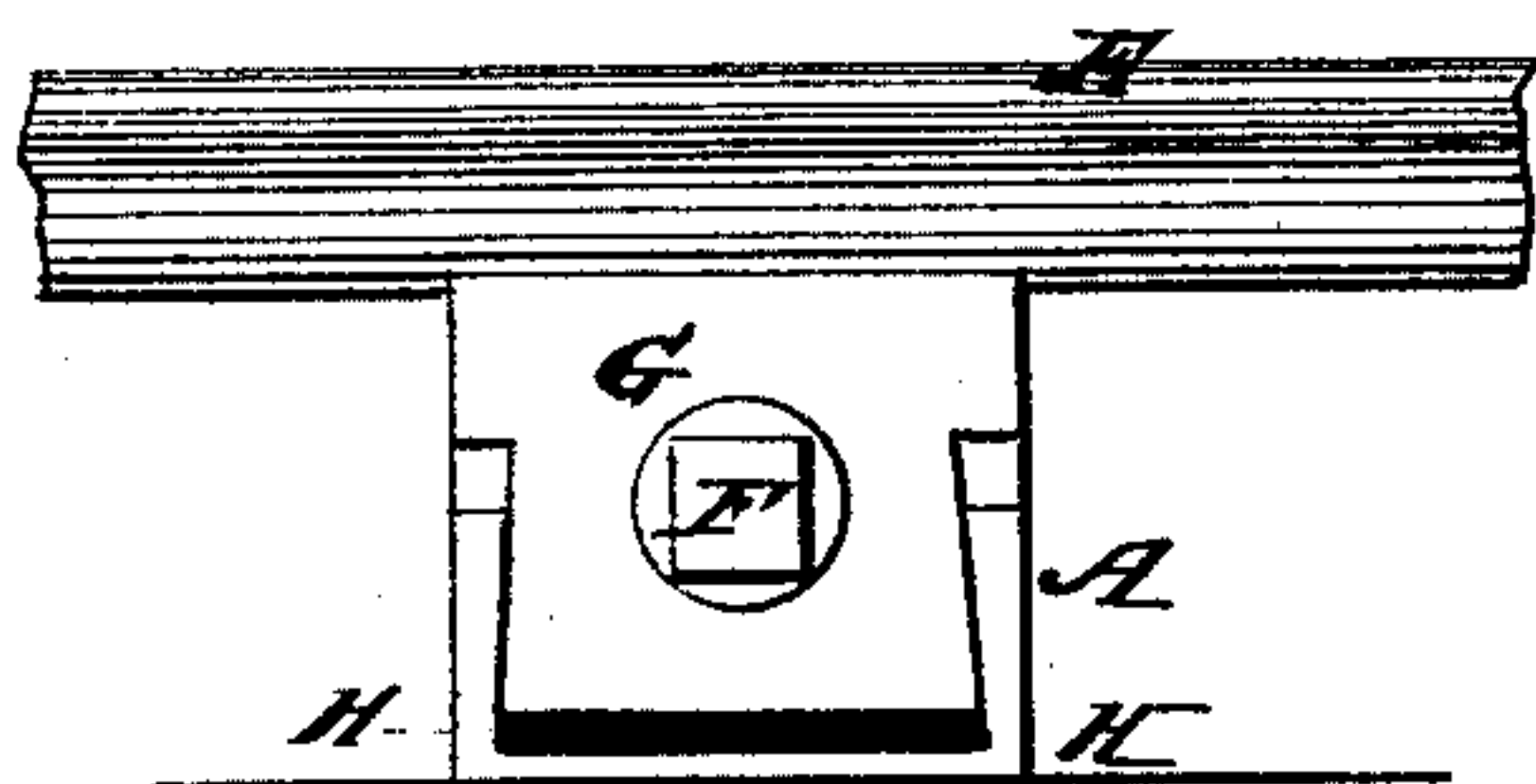


Fig. 3.



WITNESSES:

James M. Orde,
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UNITED STATES PATENT OFFICE.

GEORGE D. BLAISDELL, OF CAMBRIDGE, VERMONT.

IMPROVEMENT IN RAILROAD-TIES.

Specification forming part of Letters Patent No. **176,213**, dated April 18, 1876; application filed March 13, 1876.

To all whom it may concern:

Be it known that I, GEORGE D. BLAISDELL, of Cambridge, Lamoille county, Vermont, have invented a new and Improved Railroad-Tie, of which the following is a specification:

My improved tie consists of a cast-iron bar, with a box in each end for holding the rail-chairs, and a rod extending from end to end of the tie, and securing the chairs in place by clamping-plates, all as hereinafter described.

Figure 1 is a plan view of my improved tie. Fig. 2 is partly a side elevation and partly a longitudinal sectional elevation, and Fig. 3 is an end elevation.

Similar letters of reference indicate corresponding parts.

A is the tie-bar, having raised ends B, which are boxed to receive the chair D for holding the rail E. F is the rod extending from end

to end of the tie through the raised ends B below the rails, and securing the chairs in the boxes, and the rails in the chairs, by the clamp-plates G. This arrangement admits of having a spring, H, or cushion of elastic material under the rail to lessen the shocks and deaden the noise.

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

The metal tie A, having raised and boxed ends B, chairs D, clamp-plates G, and the rod F, combined and arranged substantially as specified.

GEORGE D. BLAISDELL.

Witnesses:

GEORGE W. LYMAN,
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