

L. SCOFIELD, Jr.

Elastic Seats for Railway Rail-Joints.

No. 143,304.

Patented September 30, 1873.

Fig. 1.

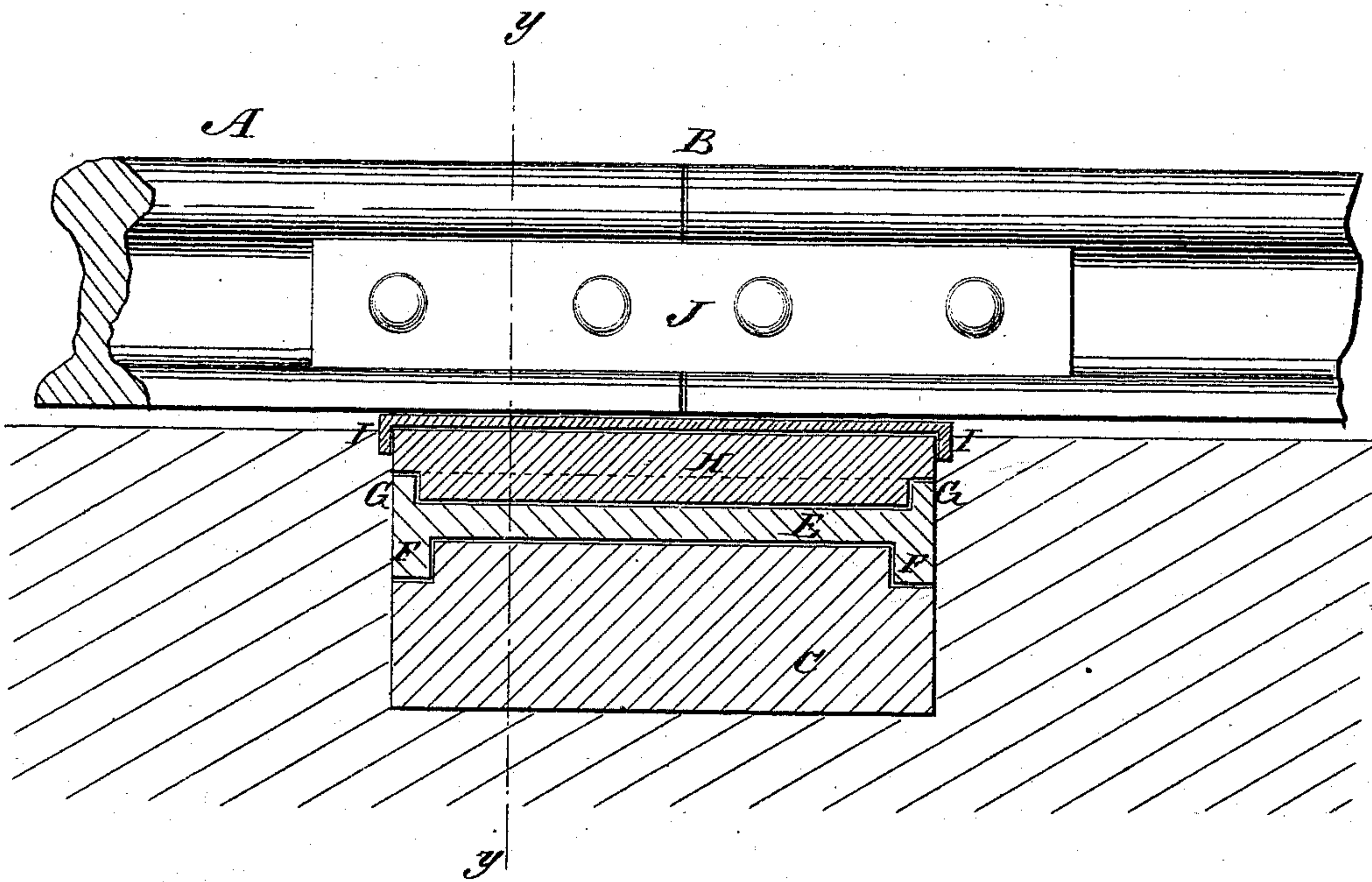
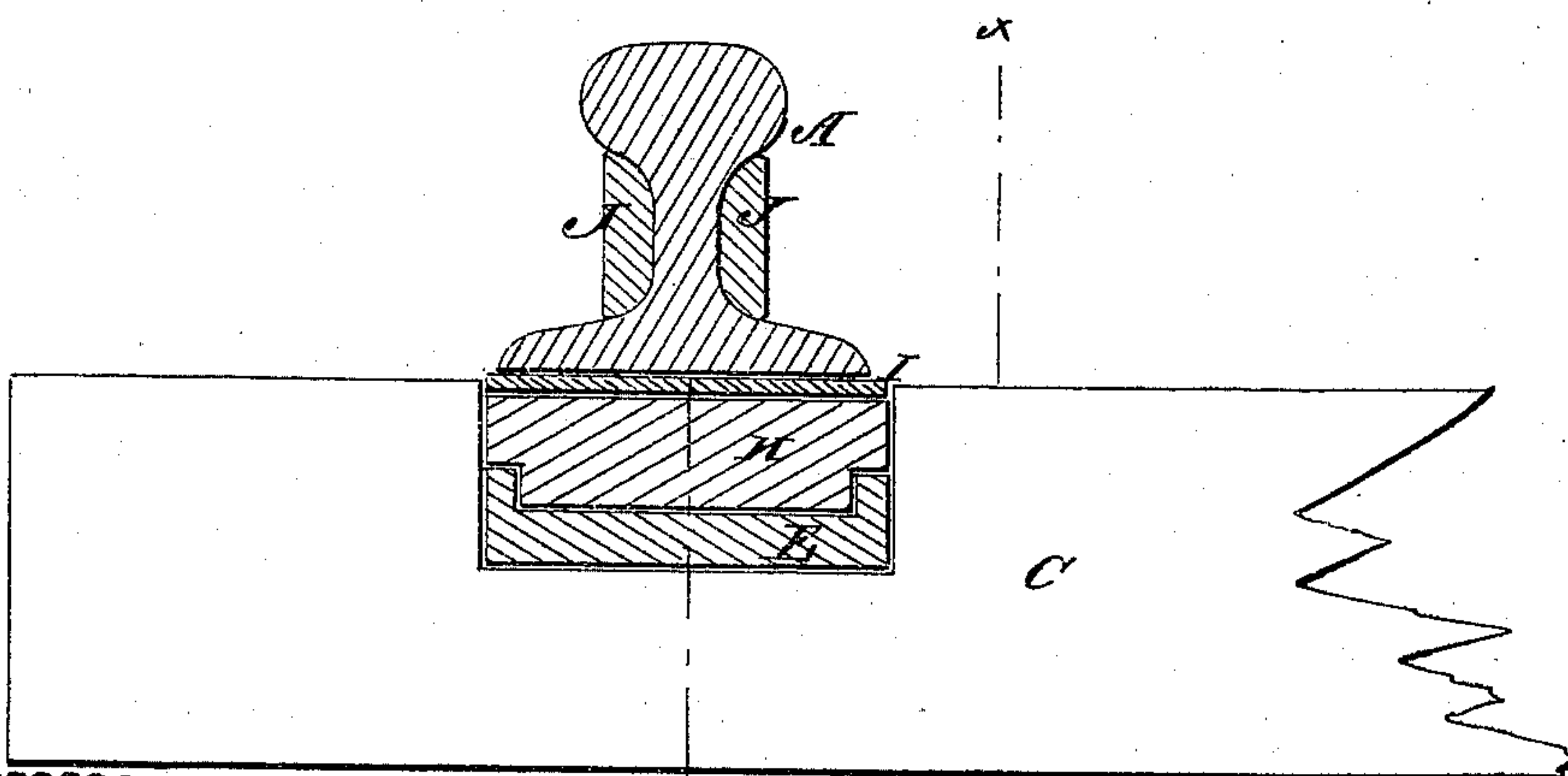


Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

LEWIS SCOFIELD, JR., OF ATLANTA, GEORGIA.

## IMPROVEMENT IN ELASTIC SEATS FOR RAILWAY-RAIL JOINTS.

Specification forming part of Letters Patent No. **143,304**, dated September 30, 1873; application filed August 4, 1873.

*To all whom it may concern:*

Be it known that I, LEWIS SCOFIELD, Jr., of Atlanta, in the county of Fulton and State of Georgia, have invented a new and useful Improvement in Rail-Joint Cushion, of which the following is a specification:

The invention is an improvement in cushioning the joints of railroad-rails; and relates more particularly to a socket-plate for the rubber cushion, which is provided with end flanges to adapt the cushion for use with wooden sleepers or cross-ties, as hereinafter described.

In the accompanying drawing, Figure 1 represents a cross-section of a railroad-tie with the cushion thereon, with a side view of the rails which form the joint, the section being taken on the line *x x* of Fig. 2. Fig. 2 is a cross-section of Fig. 1 taken on the line *y y*.

Similar letters of reference indicate corresponding parts.

A A represent the rails. B is the joint. C is the cross-tie. The tie is cut away to receive an iron plate, E, which plate has flanges F F on its ends on the lower side, which fit into rabbets made in the tie. Around the top side

of the plate is a flange, G. H is a plate of rubber or equivalent material, which fits into the upper side of the iron plate. The corners of this rubber plate are rabbeted, so as to receive the flange G, as seen in Fig. 1. I is a flanged plate of iron, which fits over the rubber cushion, and which receives the rail, as represented in the drawing. J represents the fish-plates.

By this construction, the plate E and cushion H are connected together, and with the sleeper C, without the aid of any devices other than the flanges of the former.

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

The plate E, having the end flanges F and top flange G, and the rabbeted elastic cushion H, combined with the cross-tie C, provided with rabbeted slot or recess, as described, for the purpose specified.

LEWIS SCOFIELD, JR.

Witnesses:

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