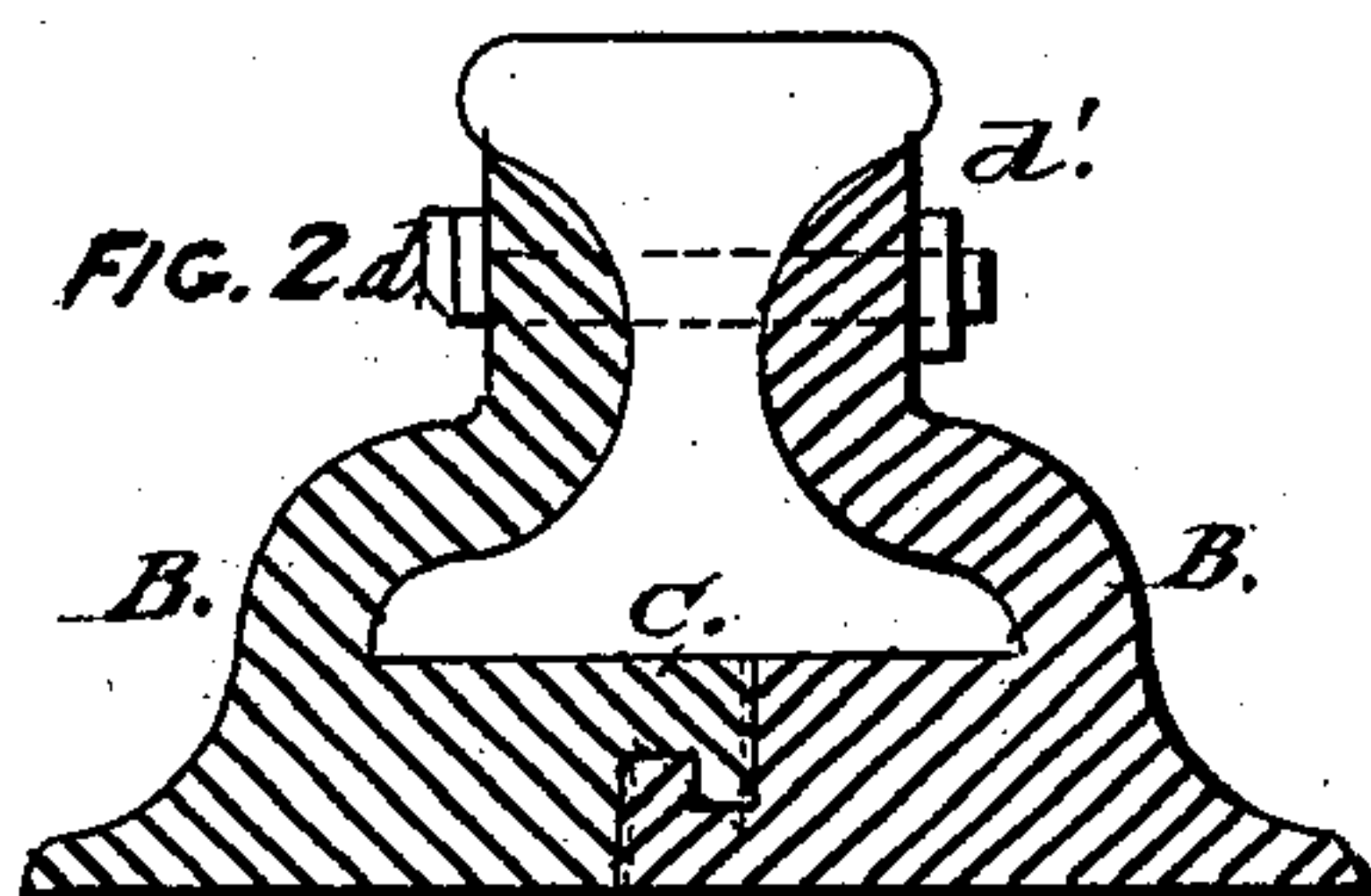
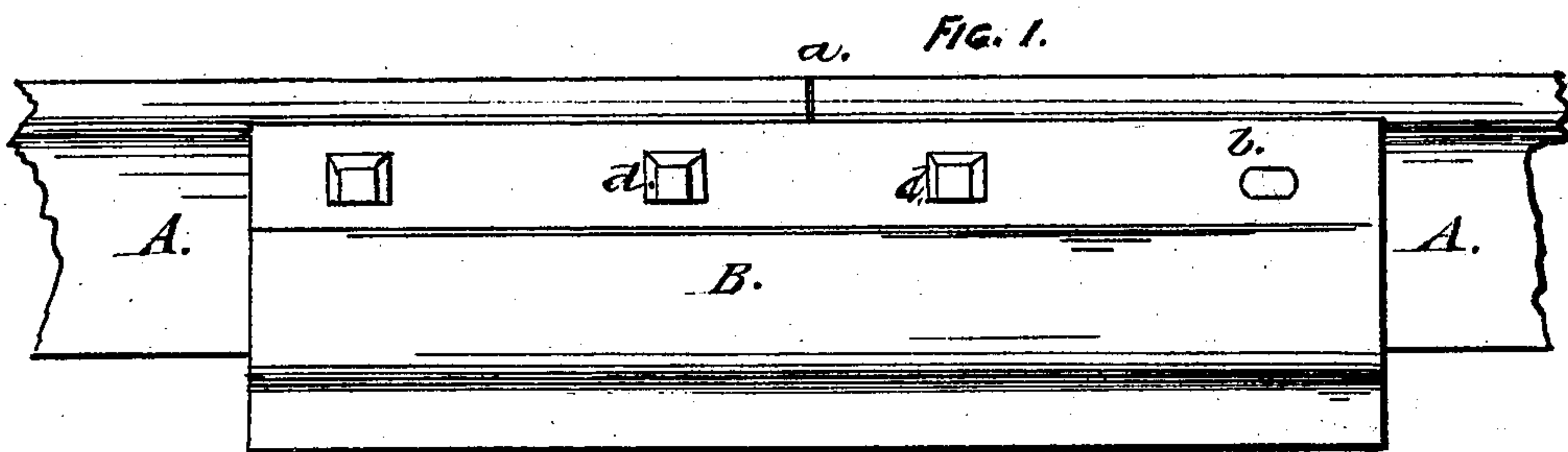


O. L. Shepherd,

Railway Chair:

No. 86,874.

Patented Feb. 9. 1869.



WITNESSES:

Frank Smith
Chas. L. Coombs

INVENTOR:

O. L. Shepherd.
per
S. S. Fahnestock.
attorney



O. L. SHEPHERD, OF UNITED STATES ARMY.

Letters Patent No. 86,874, dated February 9, 1869.

IMPROVED RAILWAY-RAIL CHAIR.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, O. L. SHEPHERD, colonel in the United States army, have invented a new and useful Improvement in Railroad-Joints; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in a new and improved mode of securing railroad-joints, to be hereafter described.

The importance of a good joint, to avoid accidents, and to subserve economy in wear and tear, is well known.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the drawings—

A A represent pieces of rails coming together at the joint *a*.

B B are two wrought (rolled) or cast clamps, breaking joint with the rails; also forming a chair at the same time; and they can be spiked down to a cross-tie if desired; and holes can be made in their lower outer edges, as in any chair. Where they come to-

gether underneath, I have a dovetail tenon, or other secure joint, as seen in the drawings, in black, as also in red ink.

The upper part of these clamps is suitably punched, as seen by the elongated bolt-hole *b*, and corresponding holes are punched in the rail.

Headed bolts *d* pass through clamps and rails, having a nut at one end, as seen at *d*, Figure 2, which is a cross-section at the joint *a*.

The rail fits snugly between the clamps, bearing on the base, *e*, of same, and the top of rail bears also upon the top of the cheeks of clamp.

The elongated slots are intended to provide for contraction or expansion of the metals.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent of the United States, is—

A railway-chair, or splice, composed of two parts interlocked, as shown, and bolted above, through the neck of the rail, all as and for the purpose set forth.

O. L. SHEPHERD.

Witnesses:

J. N. WILKINSON,
LAWRENCE WORRALL.