

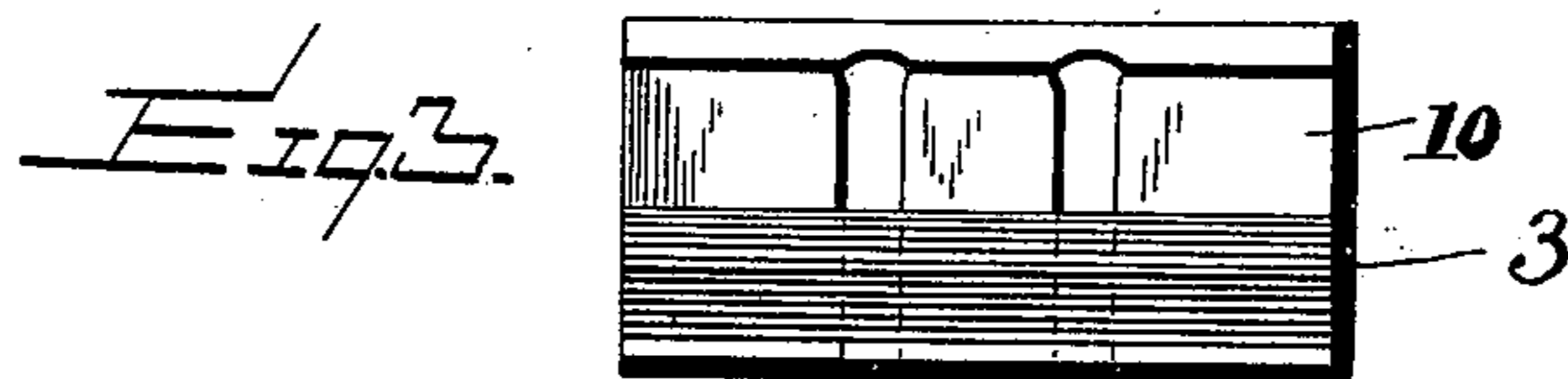
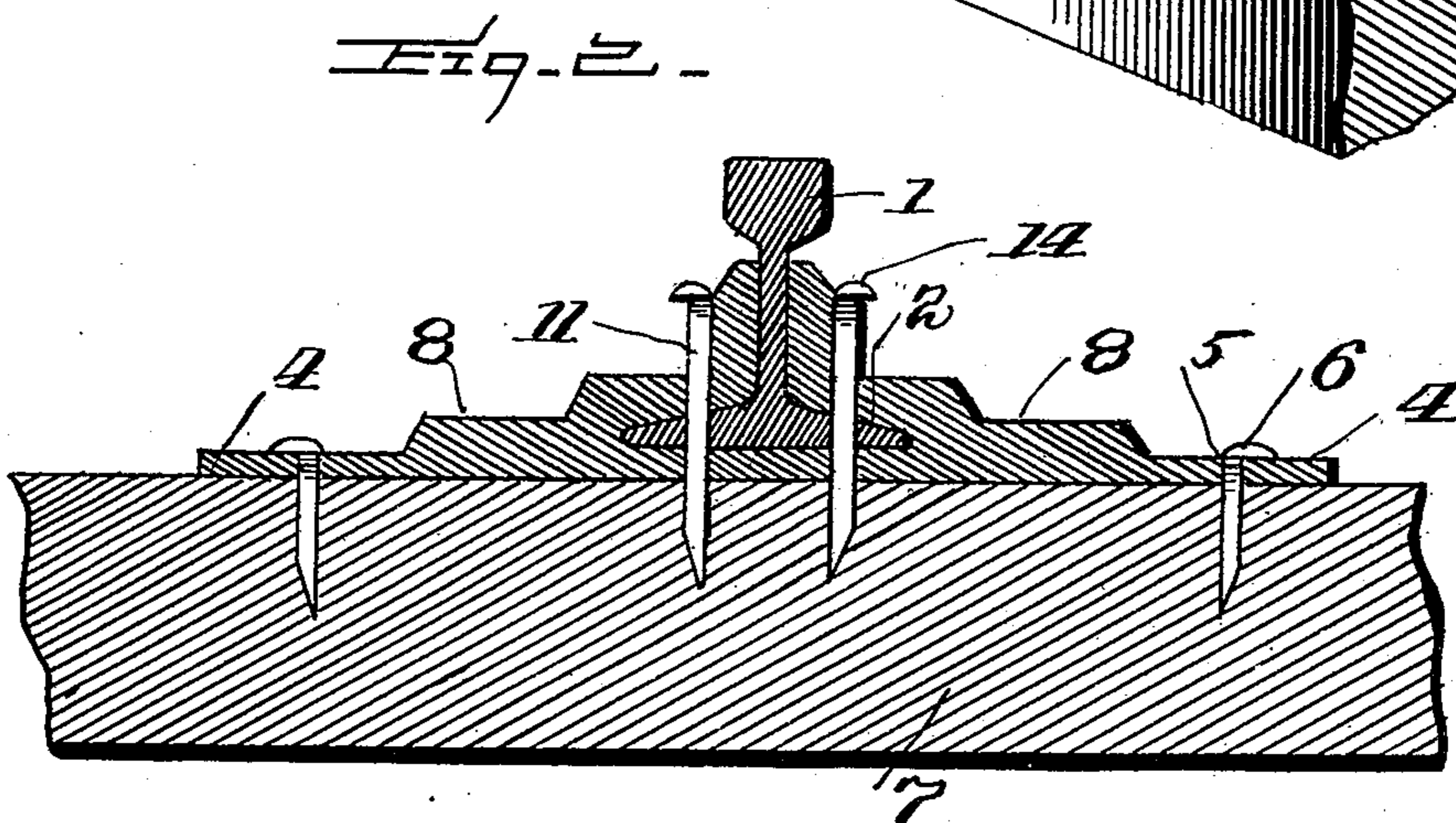
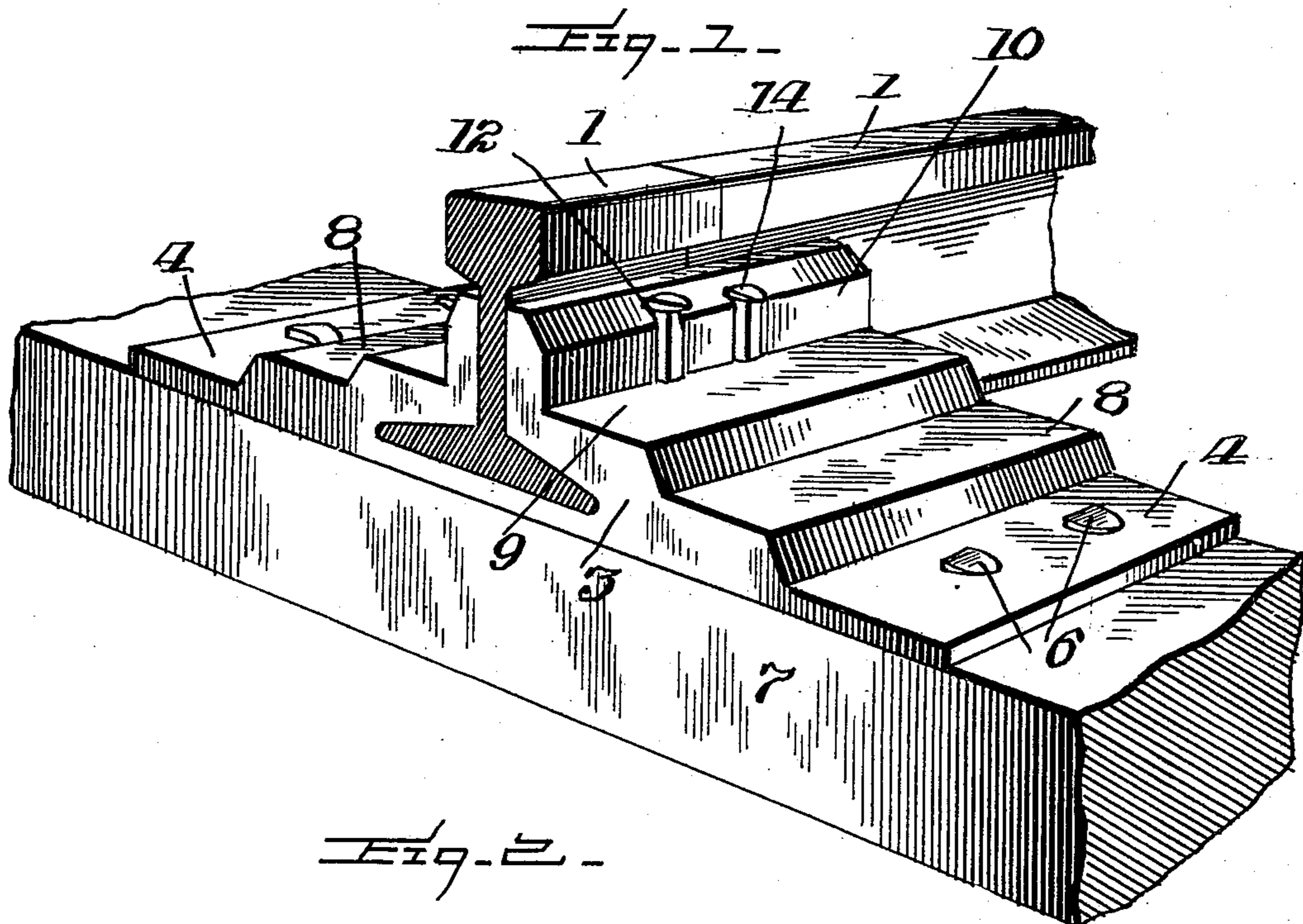
No. 711,764.

Patented Oct. 21, 1902.

J. HASLSTEINER.
RAIL JOINT.

(Application filed Feb. 13, 1902.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH HASLSTEINER, OF PITTSBURG, PENNSYLVANIA.

RAIL-JOINT.

SPECIFICATION forming part of Letters Patent No. 711,764, dated October 21, 1902.

Application filed February 13, 1902. Serial No. 93,845. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH HASLSTEINER, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Rail-Joints, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in rail-joints, and relates more particularly to that class wherein the use of nuts and bolts is entirely dispensed with.

15 The invention has for its object the provision of novel means whereby two sections of rails are securely joined together; furthermore, to provide means that will allow the rail-joint to be easily removed when desired.

20 My invention also contemplates to provide a rail-joint that will be extremely simple in construction, strong, durable, comparatively inexpensive to manufacture, and highly efficient in its use.

25 With the above and other objects in view the invention consists in the novel combination and arrangement of parts to be herein-after more fully described, and specifically pointed out in the claim.

30 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout both views, in which—

35 Figure 1 is a perspective view of my improved rail-joint, showing the same applied in position when in actual use. Fig. 2 is a vertical sectional view thereof.

40 In the drawings, 1 indicates the rails, which are supported in a stepped chair 3, into which the ends of the abutting rails are inserted. The outer or end flanges or steps 4 of the chair are provided with openings 5 to receive securing-spikes 6 for fastening the chair to the cross-tie 7. The chair has intermediate steps 8 and upper steps 9, the latter carrying

integral fish-plates 10, which are preferably beveled along the upper outer edge. Apertures 11 extend vertically through the steps 9 and base, registering with apertures 2 in the base of the rails to receive securing-spikes 14. These spikes engage the fish-plates, as shown in Fig. 2, their heads projecting, so as to permit their ready withdrawal when desired. The opening made in the chair to receive the rails conforms to the shape of said rails, and the latter are securely held.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

In a rail-joint, the combination with the rails having openings through the base thereof adjacent to the web at both sides of the latter, of a one-piece supporting-chair embodying a series of step portions, the outer or end steps of the chair each provided with openings therethrough to receive securing-spikes, fish-plates formed integral with the upper or inner steps of the chair and having the outer edge of their upper ends beveled, said fish-plates having grooves in their outer face, and the upper or inner steps and base of the chair having openings registering with said grooves and with the openings in the rail-base, and securing-spikes in said grooves and registering openings and engaging in the cross-tie, the heads of said spikes lying in the beveled edge of the fish-plates and the inner face of the spikes engaging the inner wall of the grooves in the fish-plates throughout the length of said grooves, substantially as shown and described.

In testimony whereof I affix my signature in the presence of two witnesses.

JOSEPH HASLSTEINER.

Witnesses:

JOHN NOLAND,
E. E. POTTER.