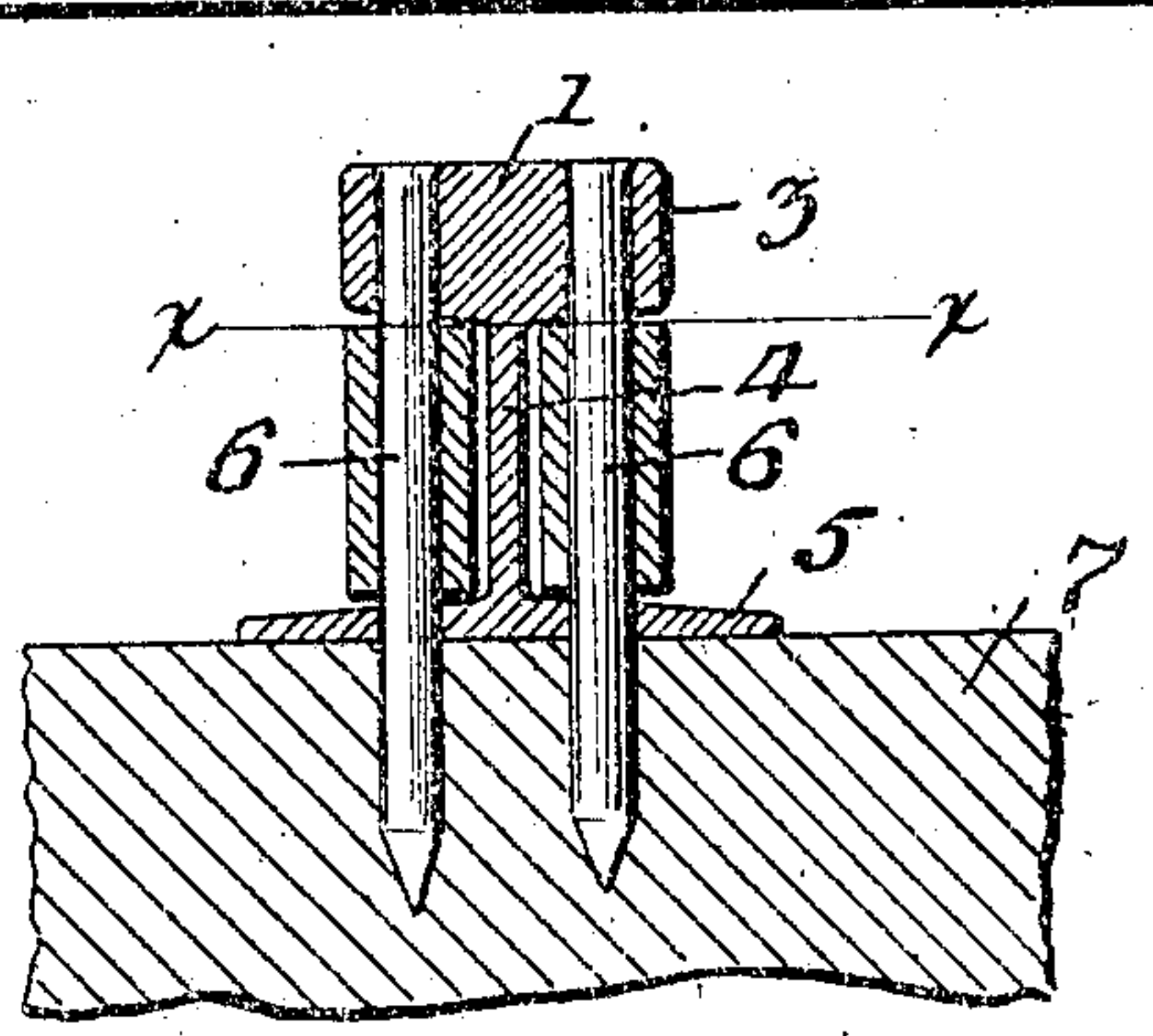
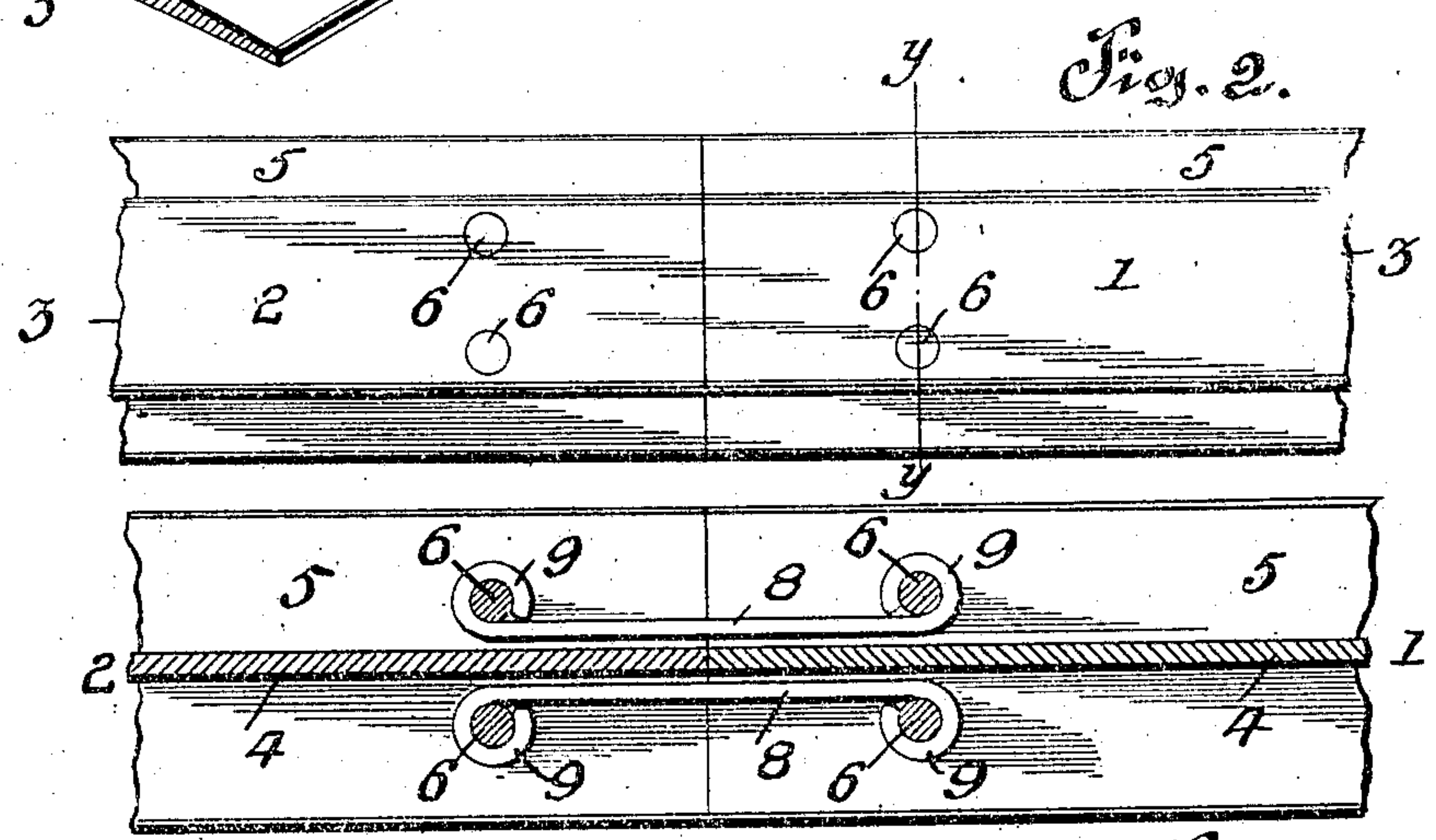
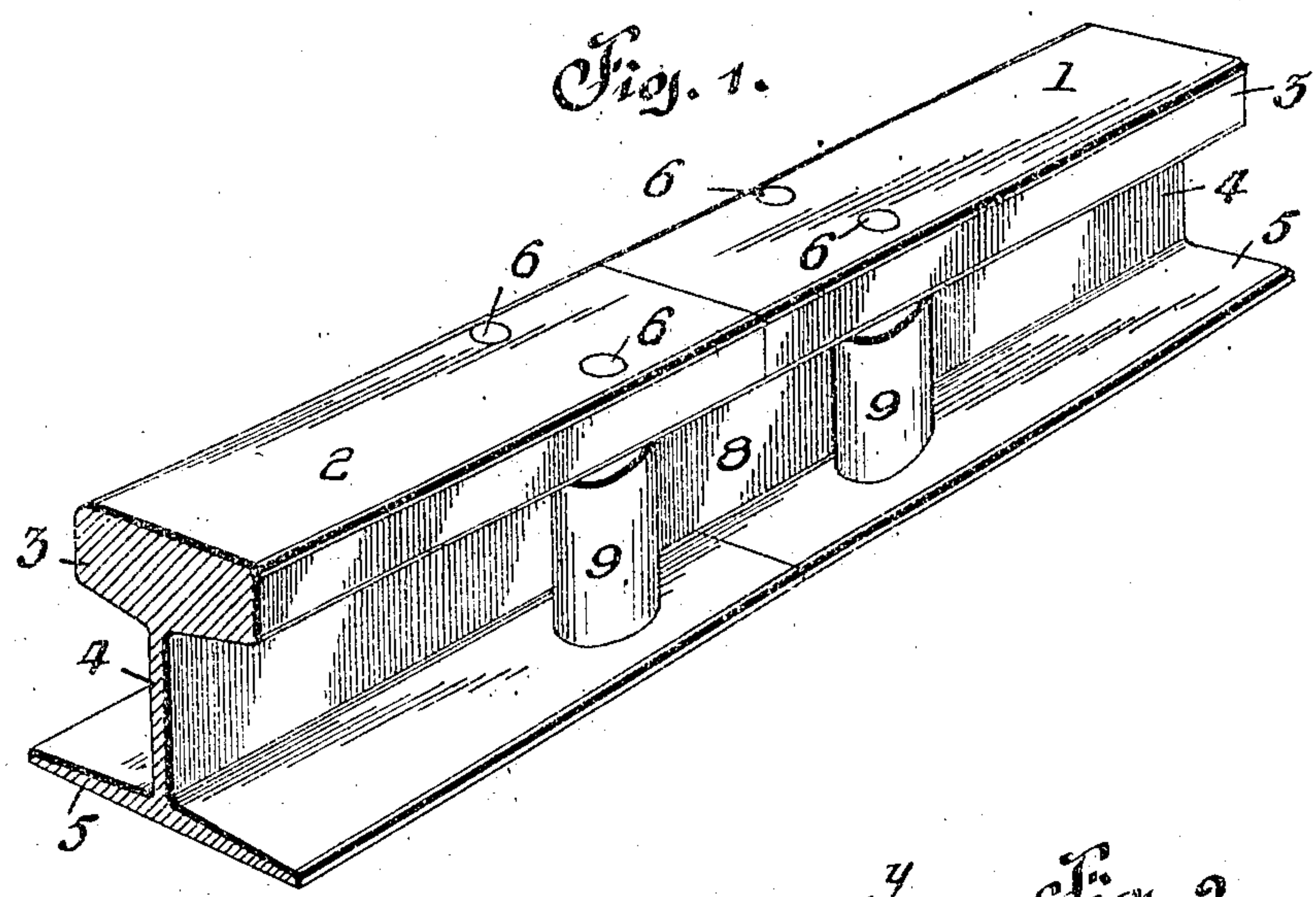


J. B. LOBINGIER.
RAIL JOINT.

APPLICATION FILED MAR. 27, 1905.



Witnesses:
C. Kostermann
R. H. Butler

Fig. 4

Inventor.
Judson B. Lobingier.
Attorneys.

UNITED STATES PATENT OFFICE.

JUDSON B. LOBINGIER, OF PITTSBURG, PENNSYLVANIA.

RAIL-JOINT.

No. 818,769.

Specification of Letters Patent.

Patented April 24, 1906.

Application filed March 27, 1905. Serial No. 252,342.

To all whom it may concern:

Be it known that I, JUDSON B. LOBINGIER, 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 has relation to certain new and useful improvements in rail-joints, and has for its object the provision of novel means whereby the adjacent sections of rails may be secured together and to the cross-ties.

15 Briefly described, the invention comprises two straight flat metallic plates having eyes on their ends, which plates are laid against the web of the rail, one on each side thereof, and receive spikes or pointed rods which pass through holes in the head of the rail and holes in the base of the same and are driven into the cross-tie.

I have illustrated the invention in the accompanying drawings, in which—

25 Figure 1 is a perspective view of portions of two sections of rail with my improvements applied thereto. Fig. 2 is a top plan view. Fig. 3 is a horizontal sectional view on the line *x x* of Fig. 4, and Fig. 4 is a vertical sectional view on the line *y y* of Fig. 2.

30 My improvement is designed to be applied to rails of the ordinary form, and portions of two meeting ends of the same are shown in the drawings and designated by numerals 1 2. These rails comprise the usual head 3, web 4, and base 5. The ends of the rail-sections are cut off square and rest upon a cross-tie, and adjacent the abutting end each rail is pierced on both sides of the central web for the reception of pointed rods or spikes 6 6. The holes through which these spikes pass extend through the heads 3 3 of the rails and through the bases 5 5 thereof, and the spikes are of such length that when driven home into the tie 7 their tops will be flush with the upper surfaces of the heads of the rails. The rods or spikes 6 are of such length that they will penetrate the cross-tie

7 a sufficient depth to firmly secure the rail-sections down upon the cross-ties. In order to secure a proper connection of the rail-sections and to give additional securing means to that afforded by the spikes or rods 6 6, I provide two straight flat plates 8 8, each of which is formed with an eye 9 at each end, and these plates are placed on opposite sides of the webs of the two rail-sections and across the joint prior to the insertion of the spikes 6 6, and the spikes when inserted in the holes of the rails are passed through eyes 9 9 of the plates 8 8. These plates 8 8 are formed of any suitable material, preferably steel, and they are of such width that their upper and lower edges, respectively, will contact with the lower side of the heads of the rail-sections and the bases of the same, and they should be of sufficient thickness to stand the longitudinal strain which will be imposed upon them.

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

1. The combination with two rail-sections each having two holes extending through the head and the base of the rail on opposite sides of the web, of two plates arranged one on each side of the web, each plate having eyes at its ends and pointed rods or spikes extending through the holes in the rail-sections and through the eyes at the ends of said plates, and into a cross-tie.

2. In a rail-joint, the combination with two rail-sections, each having holes extending through the head and the base of the rail, of a plate formed with eyes at its ends, and rods or spikes extending through the said eyes the holes in the heads and bases of the rail-sections and into a tie, the upper ends of said rods or spikes being flush with the upper surfaces of the rail-section.

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

JUDSON B. LOBINGIER.

Witnesses:

K. H. BUTLER,
E. E. POTTER.