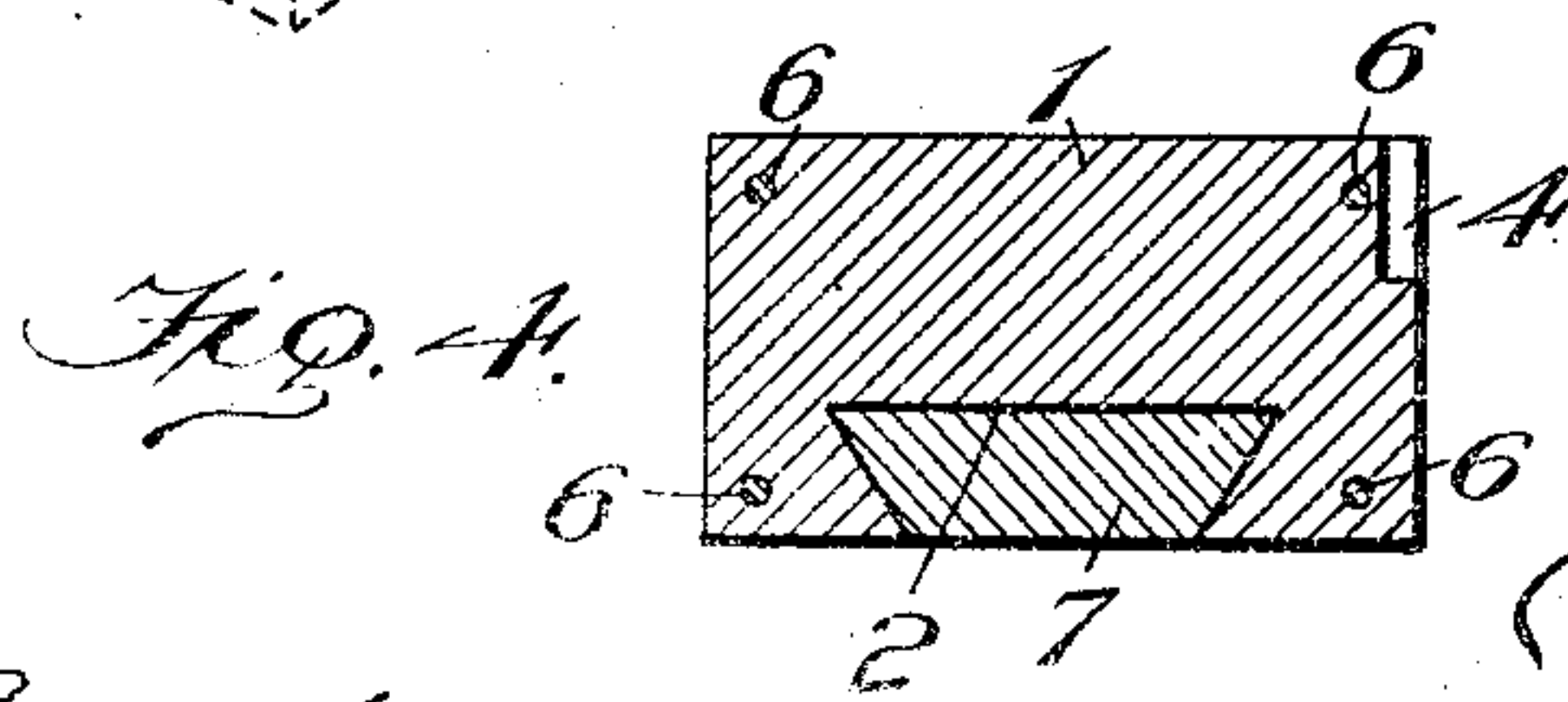
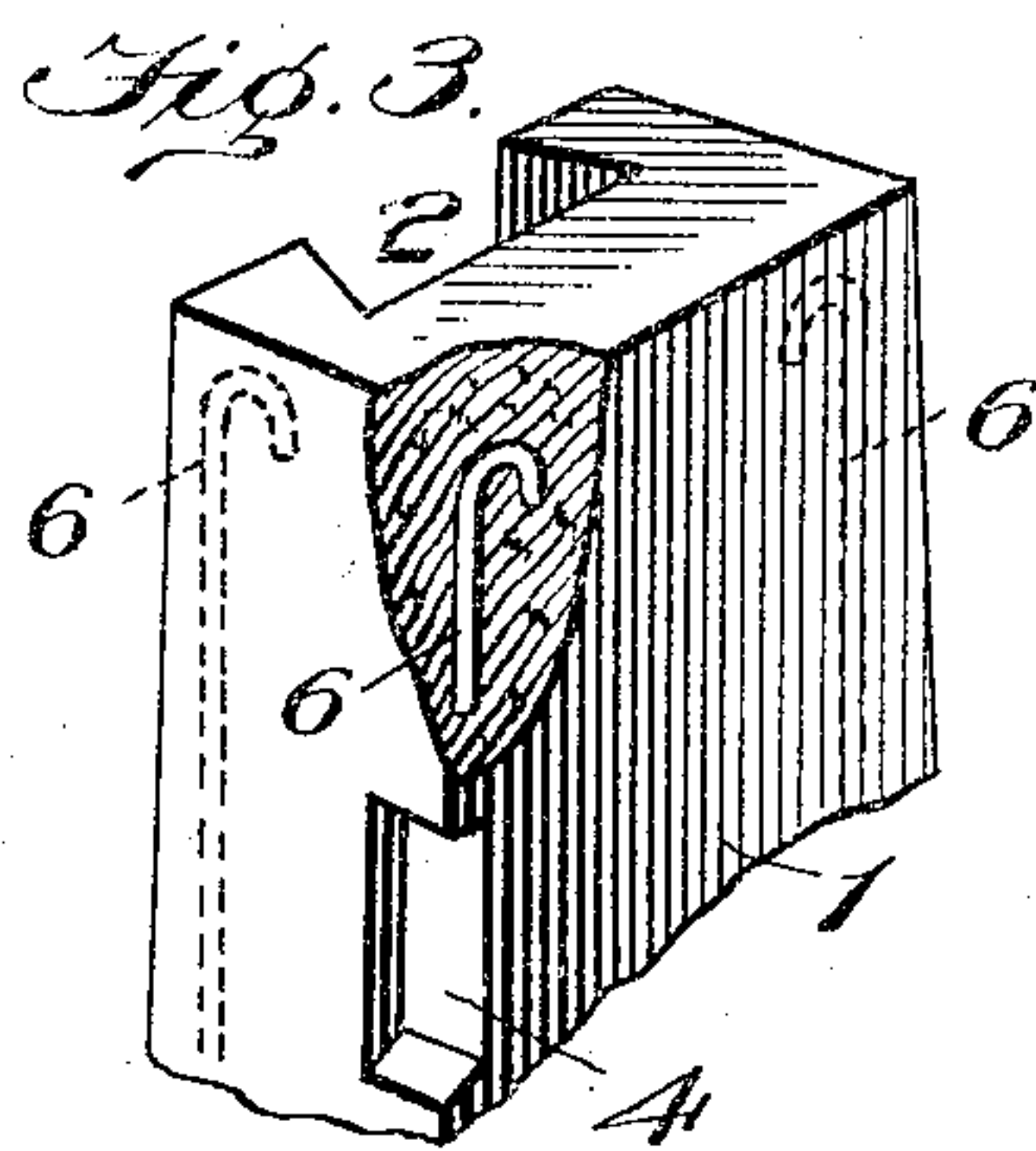
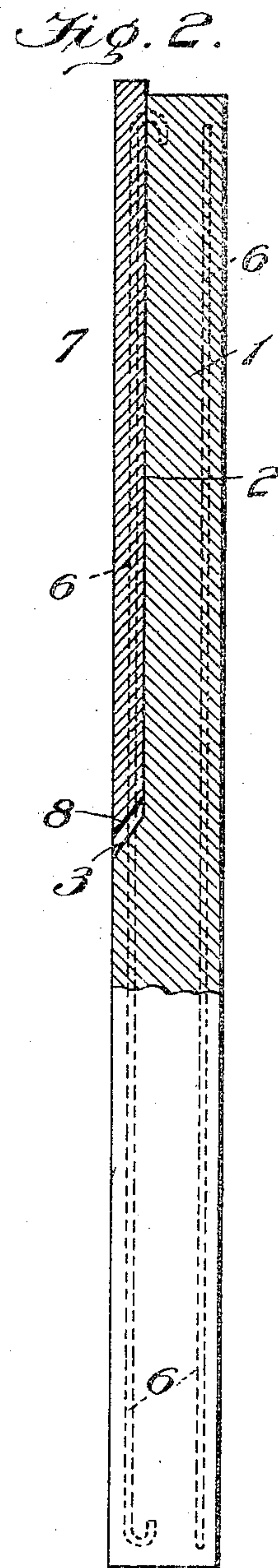
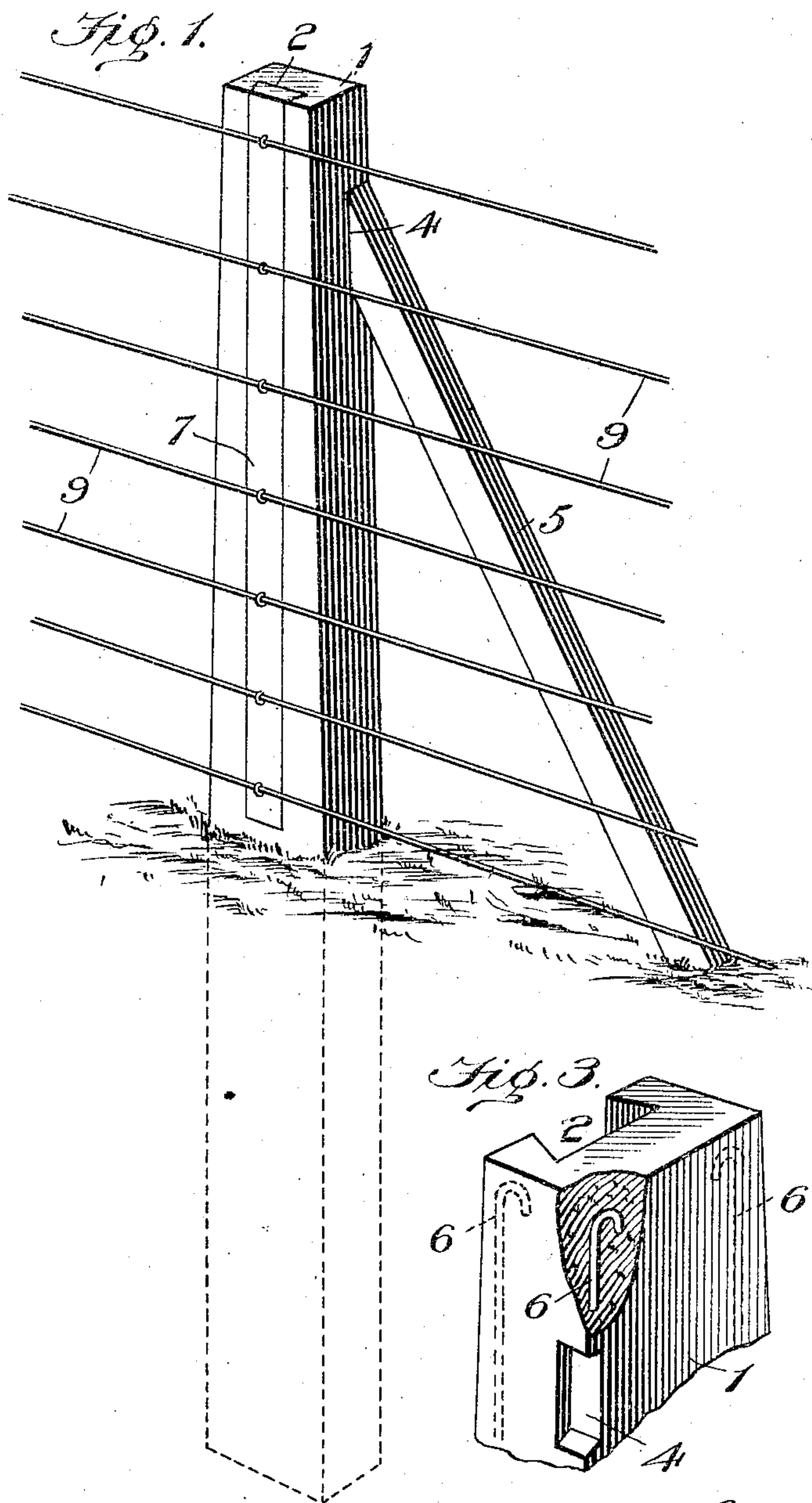


C. J. WELTY.
COMPOSITION FENCE POST.
APPLICATION FILED DEC. 19, 1905.

920,888.

Patented May 4, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES J. WELTY, OF NEW SPRINGFIELD, OHIO.

COMPOSITION FENCE-POST.

No. 920,888.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed December 19, 1905. Serial No. 292,452.

To all whom it may concern:

Be it known that I, CHARLES J. WELTY, a citizen of the United States, residing at New Springfield, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Composition Fence-Posts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to fences, and has especial reference to posts for use in building same.

More particularly stated the invention contemplates a composition fence-post having certain peculiarities of construction which greatly enhance its usefulness and increase its durability.

The invention will be hereinafter described and particularly pointed out in the claims following.

In the accompanying drawings which form part of this application, and whereon corresponding characters of reference indicate the same parts in the several views: Figure 1 represents in perspective one improved fence post with a series of horizontal wires secured thereto. Fig. 2 is a vertical central section through one post. Fig. 3 is a fragmentary perspective view of the upper end of one post with the wire strip removed, and, Fig. 4 is a transverse horizontal section through the upper end of one post.

Reference being had to the drawings and numerals thereon, 1 represents the body portion of the invention, by preference made of cement or other composition molded into any desired exterior shape and dimensions.

The numeral 2 indicates a vertical dovetail depression formed in the face of the composition post, and beveled outward at its lower end as at 3. In either or both sides of post 1 are formed pockets 4 for the reception of suitable braces 5, which may be used upon one or both sides of corner or intermediate posts, to strengthen the structure and brace it against pull of the wires while in the course of construction.

The corners of the composition body or post 1 are reinforced by suitable embedded bonding wires such as 6, which may be of any suitable shape and material, in horizontal arrangement as indicated by Figs. 2 and 3 of the drawings.

Within the vertical dovetailed depression

2 is slidably and removably located a strip 7 of wood or any material adapted to receive and retain staples such as used for securing in place the wires of a fence. This strip 7 is a counterpart of the depression 2 which it therefore fits in dovetail relation. Its lower extremity is beveled outwardly, as shown at 8, to correspond with the lower end or jam-seat 3 of depression 2, said surfaces 8 and 3 being arranged at an angle greater than the angle of friction between them so that downward pressure applied to said strip 7 serves to crowd same forward and thereby securely interlock these parts without the use of other fastening devices.

To the face of the wire holding and retaining strip 7 the wires 9 of the fence are secured in the usual manner, as indicated by Fig. 1. These wires may be stretched continuously in the ordinary way; or, if desired, a panel may here or there be independently constructed. In the latter event such independent panel or panels may readily be opened by the withdrawal upward of both strips 7 and their attached wires, thus serving to conveniently establish communication between different fields, or different sections of a pasture field, or for the more ordinary uses of a gate.

In practice, the composition posts 1 are set or partially embedded in the ordinary manner as indicated by Fig. 1. Wooden strips 7 are then introduced into the dovetailed depressions 2, and driven downward until their lower beveled extremities 8 engage the correspondingly beveled or inclined jam-seats 3 of depressions 2, whereby the said strips are forced outward into closer binding engagement with the walls of their respective depressions 2 and there securely held by such wedging action alone. Across the face of said strips 7 the fence-wires 9 are thereupon stretched by agency of any suitable stretching or fence-building machine, and finally such wires are secured to the strips 7 themselves by staples or other fastening means as shown by Fig. 1. During this operation the braces 5 are of special service, and while these as shown are secured at their upper ends in pockets 4 at the rear edge of each post the number, size, and location of such braces, and pockets as well, is wholly optional and should be determined by special circumstances.

It should also be noted that the lower beveled or outwardly inclined bottom 3 of the

depressions 2 serve, in addition to the function already recited, to naturally drain said depression of rain-water or moisture which might otherwise there accumulate and freeze, thus severely taxing the strength of the composition post if not causing a fracture thereof.

Having thus described my invention in its preferred form of construction, what I claim and desire to secure by Letters Patent is:

10 1. The combination with a composition fence post having a longitudinal dovetailed surface-depression therein, of a removable wire-carrying strip in said depression, and a beveled jam-seat for said strip the bevel
15 whereof is greater than the angle of friction between the end of said strip and its seat whereby the act of seating the strip forces same into closer contact with the dovetailed depression aforesaid, substantially as de-
20 scribed.

2. The combination with a composition fence post having a longitudinal dovetailed surface-depression therein, of a removable wire-carrying strip in said depression, an in-
25 cline upon said strip, and a correspondingly

inclined jam-seat for said strip the bevel whereof is greater than the angle of friction between the meeting surfaces of said strip and seat whereby the act of seating the strip forces same into closer contact with the dove- 30
tailed depression aforesaid, substantially as described.

3. The combination with a composition fence post having a longitudinal dovetailed surface-depression therein, of a removable 35
wire-carrying strip in said depression having a beveled lower end, and an outwardly beveled jam-seat for said strip the bevel whereof is greater than the angle of friction between the end of said strip and its seat whereby the 40
act of seating the strip forces same into closer contact with the dovetailed depression aforesaid, substantially as described.

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

CHARLES J. WELTY.

Witnesses:

JOHN ERTZINGER,
JAMES SEIDNER.