

(No Model.)

A. L. KITSELMAN.
FENCE POST.

No. 442,189.

Patented Dec. 9, 1890.

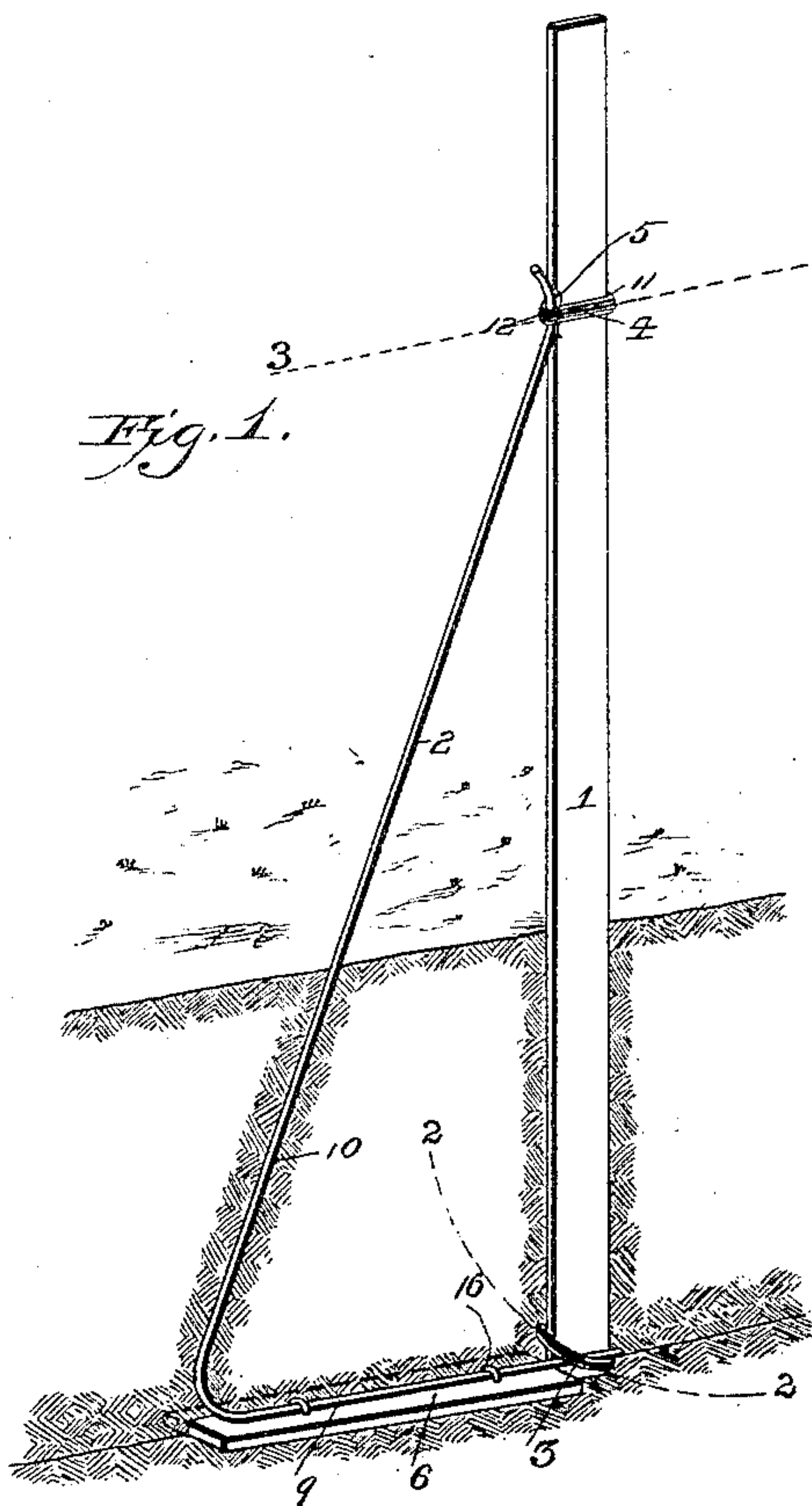


Fig. 2.

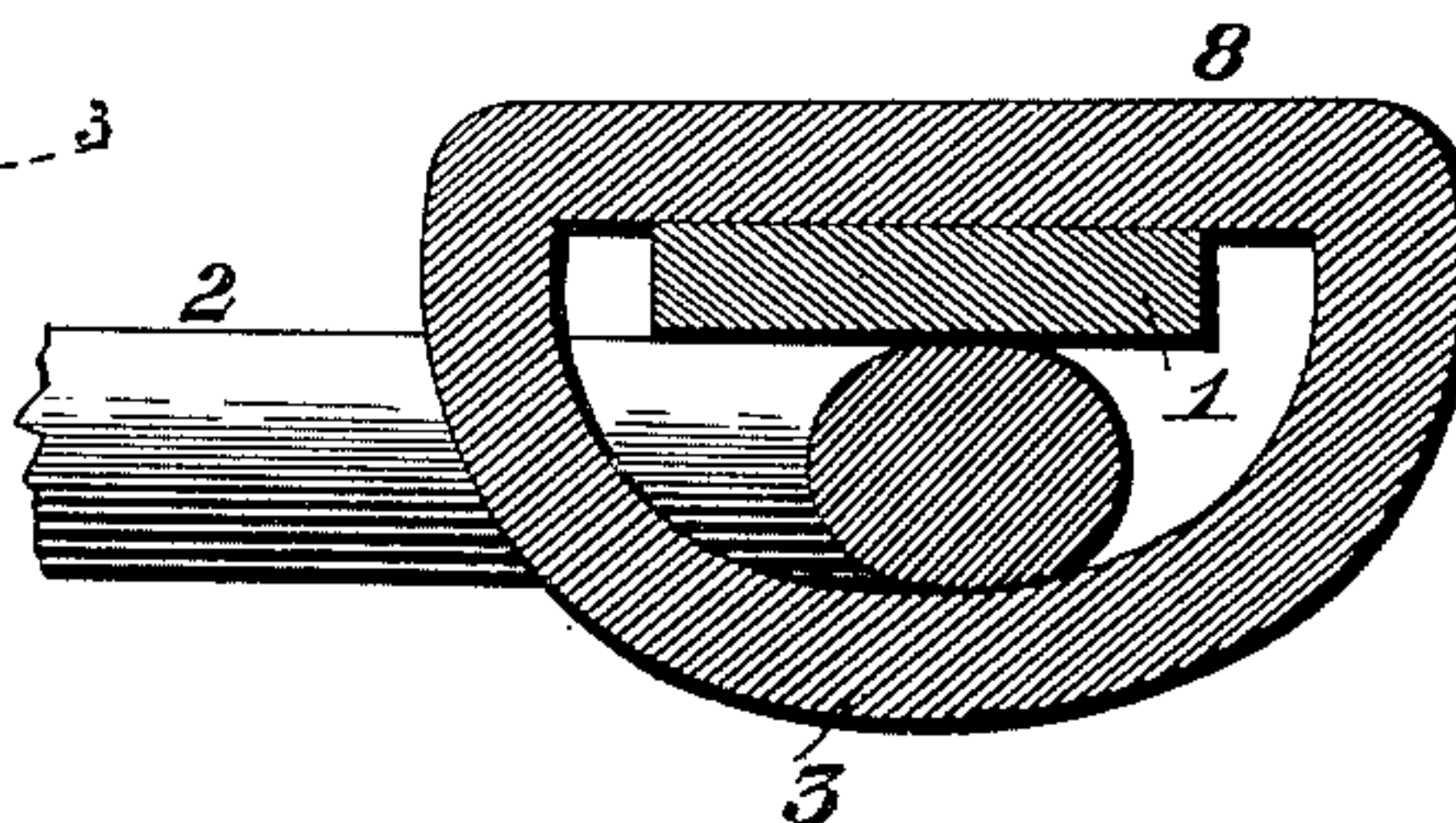


Fig. 3.

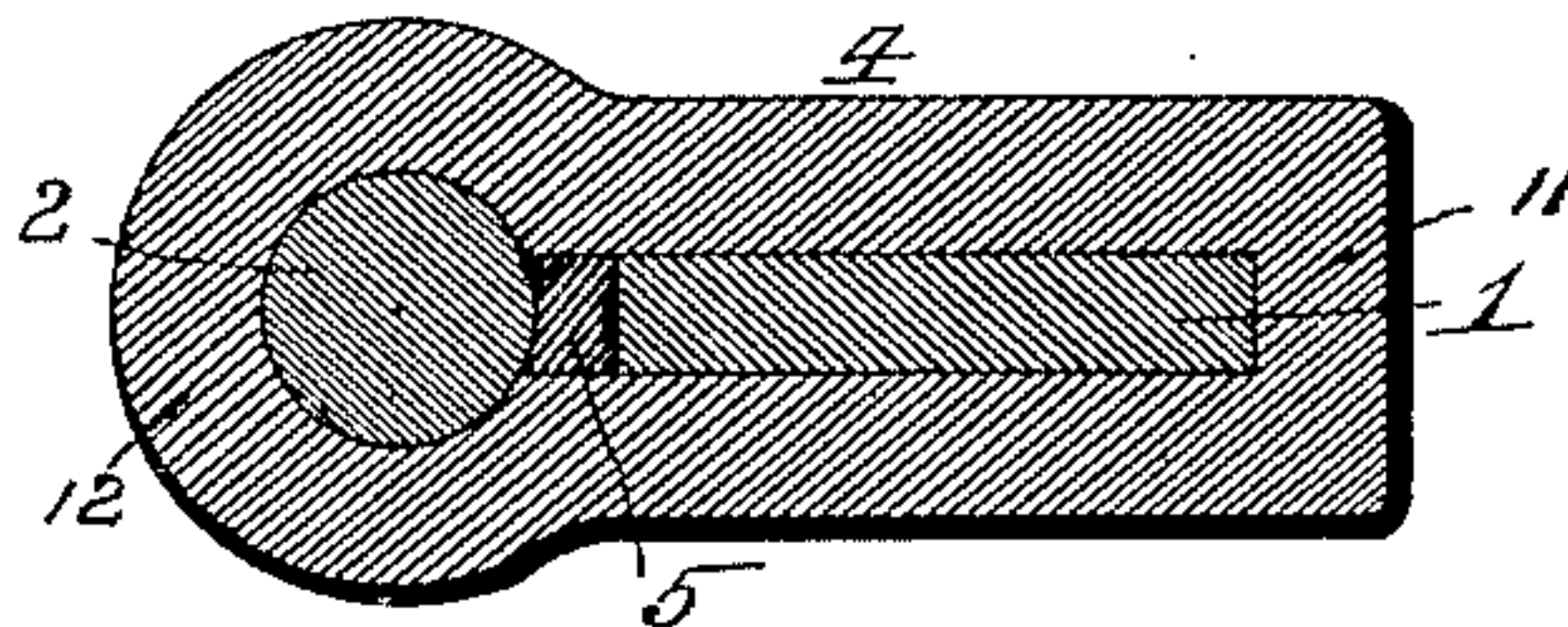


Fig. 5.

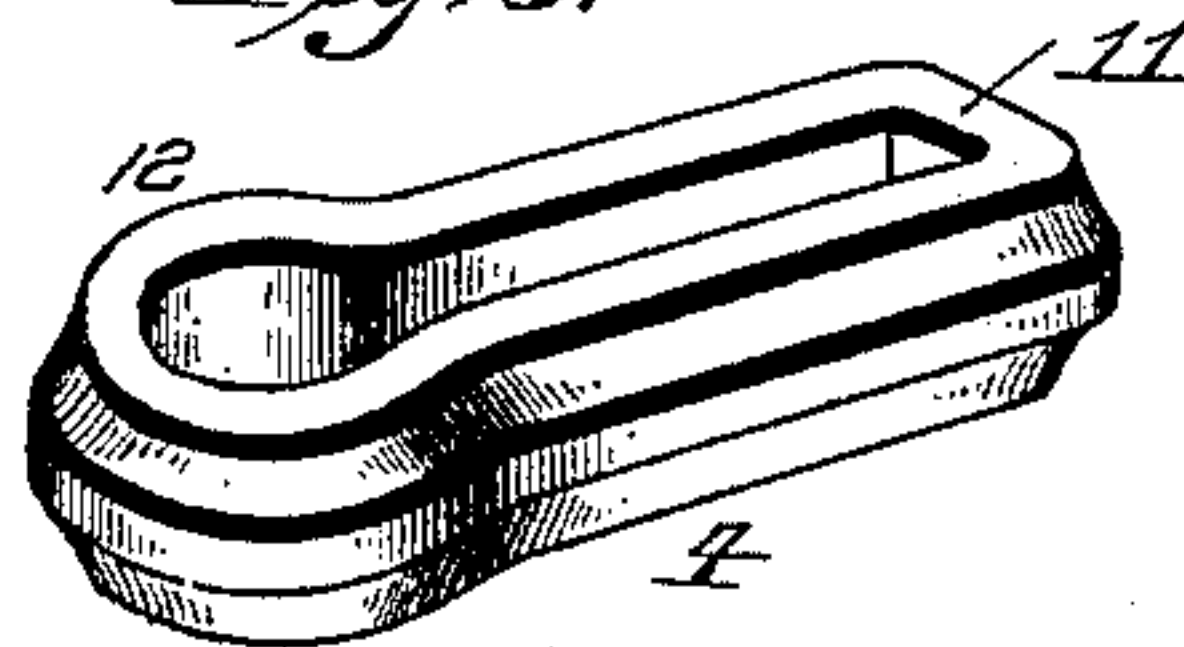


Fig. 4.

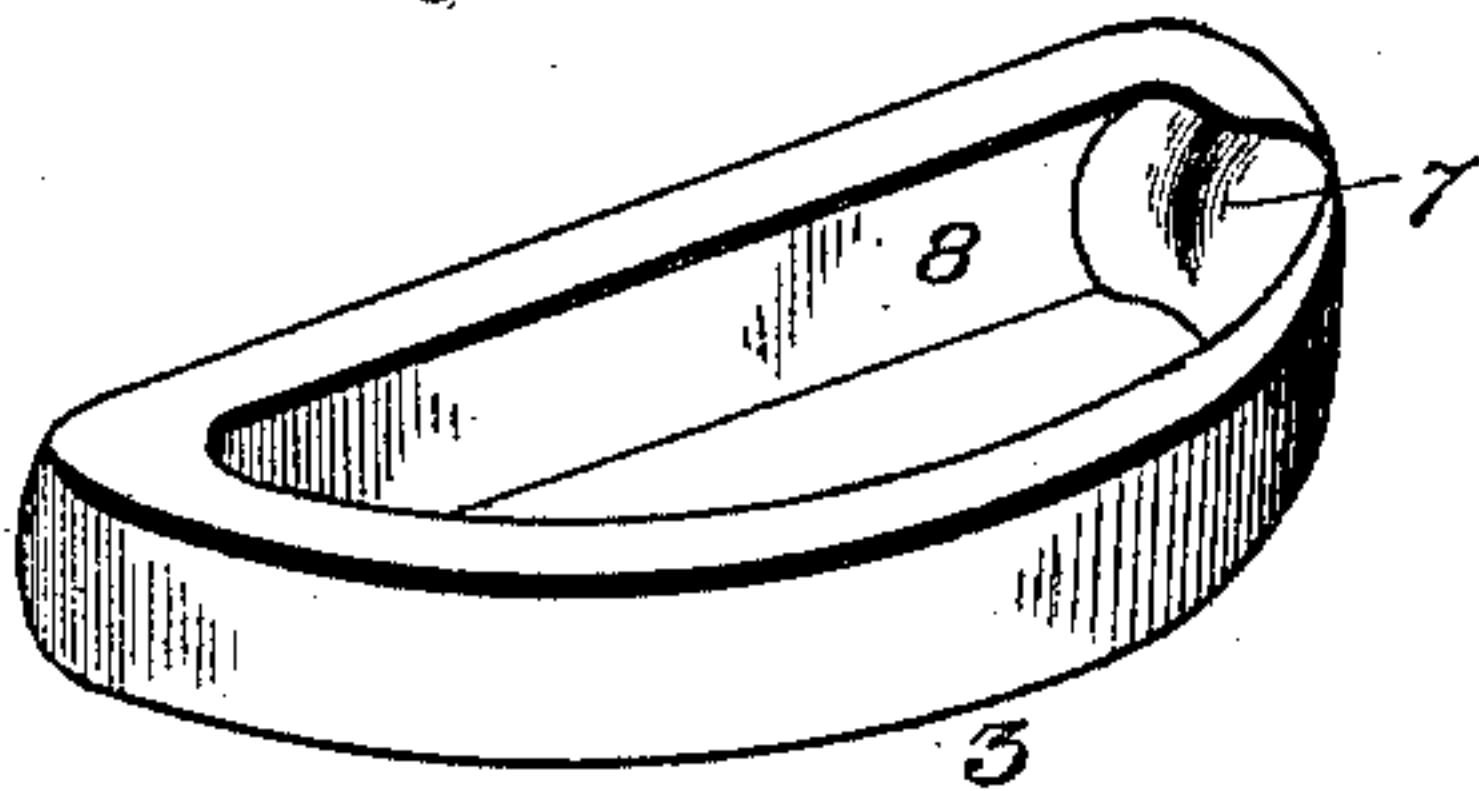


Fig. 6.

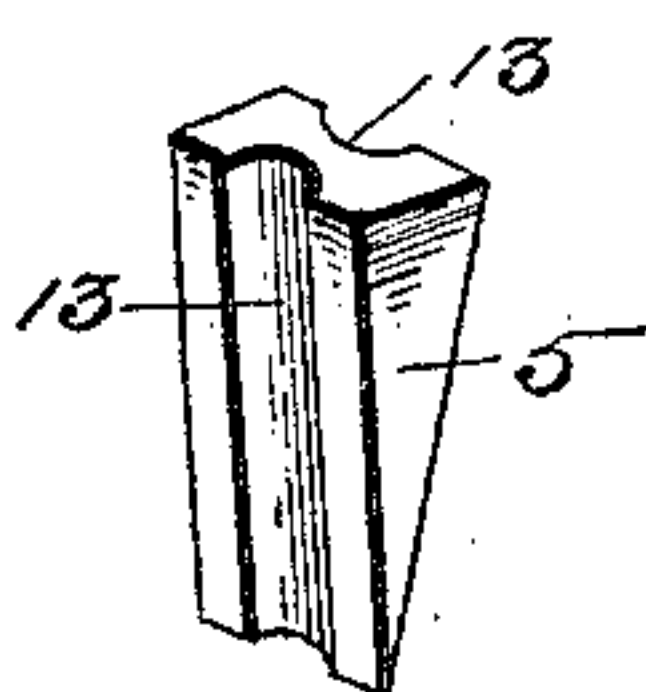
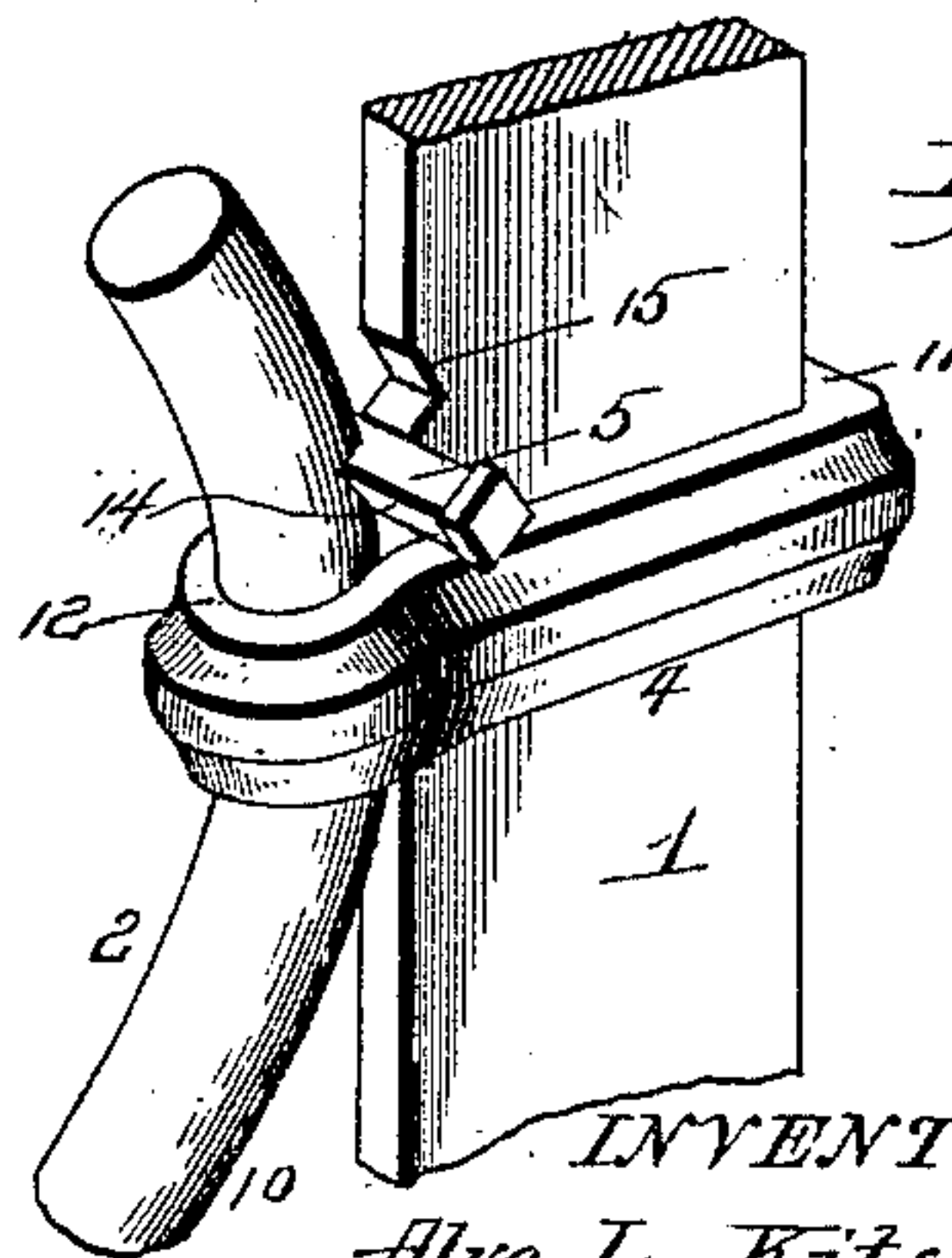


Fig. 7.



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UNITED STATES PATENT OFFICE.

ALVA L. KITSELMAN, OF RIDGEVILLE, INDIANA.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 442,189, dated December 9, 1890.

Application filed July 22, 1890. Serial No. 359,554. (No model.)

To all whom it may concern:

Be it known that I, ALVA L. KITSELMAN, a citizen of the United States, residing at Ridgeville, in the county of Randolph and State of Indiana, have invented a new and useful Fence-Post, of which the following is a specification.

This invention relates to fence-posts; and it has for its object to construct a device of this class which shall be simple, inexpensive, durable, and efficient. A further object of my invention is to provide simple and efficient means for securing the parts of the post together and for anchoring the same in the ground.

With these ends in view the invention consists of the improved construction, arrangement, and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view of a fence-post embodying my improvements, showing the parts of the same connected. Fig. 2 is a sectional view taken on the line 2 2 in Fig. 1. Fig. 3 is a sectional view taken on the line 3 3 in Fig. 1. Fig. 4 is a perspective detail view of the bottom clamp. Fig. 5 is a perspective detail view of the top clamp. Fig. 6 is a detail view of the fastening-wedge. Fig. 7 is a detail view illustrating a modification.

Like numerals of reference indicate like parts in all the figures.

My improved fence-post is made of metal, preferably iron, and it may be described as consisting of the following principal parts, namely: the upright 1, the brace 2, the bottom clamp 3, the top clamp 4, the wedge or fastening device 5, and the anchoring board or block 6.

The upright 1 consists, simply, of a piece of bar iron or steel rectangular in cross-section and of any suitable dimensions.

The bottom clamp 3 consists of an approximately semicircular band, the rounded portion of which is provided on opposite sides with beveled portions 7 7, formed adjacent to the straight side 8 of the said clamp. The latter is in practice slipped over the lower end of the upright 1 with its straight side 8 bearing against the side of said upright.

The end of the brace 2, which latter is con-

structed of round iron or steel of suitable dimensions, is then slipped through the clamp between the rounded portion of the latter and the adjacent side of the upright 1. By bending the outer end of the brace 2 in an upward direction the clamp 3 will thus be caused to assume a diagonal position, as clearly shown in Fig. 1 of the drawings, and will firmly bind the lower end of the upright 1 and the brace 2 together.

It will be observed that the brace 2 is bent so as to form the lower horizontal portion 9 and the inclined portion 10. The part of said brace which rests in the clamp 3 will be seated and held securely in the beveled seats 7, formed in opposite sides of the rounded portion of said clamp.

The inclined portion 10 of the brace 2 is bent or sprung in an inward direction toward the upright 1 until it permits of the placing in position of the top clamp 4. The latter is provided with a slot 11, of proper dimensions to accommodate the upright 1, and terminating at one end in an opening or eye 12, large enough to admit the upper end of the brace 2. It will be seen that by simply sliding the said clamp 4 downwardly upon the said upright and brace they will be firmly bound or secured together. To prevent the accidental displacement of the said holding-clamp, I prefer to avail myself of a suitable wedge, one form of which has been shown in Figs. 1, 3, and 6 of the drawings, by reference to which it will be seen that said wedge, which may be made of iron, steel, or other suitable material, is provided in opposite sides with shallow grooves 13 to accommodate, respectively, the upright 1 and brace 2, between which it is driven in a downward direction after being inserted between the upper ends of said brace and upright. By driving the said wedge downwardly the upper end of the brace will be bent slightly in an outward direction, and the parts will thus be firmly secured together, the grooves 13 serving to prevent the displacement of the wedge in a lateral direction. When desired, this form of wedge may, however, be dispensed with, and the device shown in Fig. 7 of the drawings substituted therefor, said device consisting simply of a nail square in cross-section and slightly tapering. This nail, which is designated by 14, may be

driven laterally between the upright 1 and brace 2 at a point slightly above the top clamp 4. When this device is used, the meeting faces of the brace and upright are to be provided with notches 15, into which the fastening device can be driven, the upright 1 being preferably provided with a series of such notches, in order that the parts may be readily brought into alignment for the reception of the fastening device 14.

To the lower or horizontal portion 9 of the brace 2 is secured, by means of staples 16 or other suitable fastenings, the board or block 6, which serves as an anchor for the post.

The manner of practicing my invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. The lower end of the upright 1 and brace 2, carrying the anchor 6, are to be set in the ground to any desired depth, the said anchor serving to secure the post firmly in position. It is intended to secure the fencing material to the upright 1 of the post without drilling holes in the latter, and for this reason comparatively light material may be employed in the manufacture of the post. The general construction is simple and inexpensive, and by the means which I have provided for connecting the upright with the brace an exceedingly durable and efficient as well as neat and ornamental fence-post may be constructed at a very moderate expense.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a fence-post, the herein-described binding-clamp, consisting of an approximately semicircular band, the rounded portion of which is provided with beveled seats formed in opposite sides thereof, substantially as set forth.

2. The combination, with the square metallic upright and the round metal brace, of the approximately semicircular binding-clamp, the rounded portion of which is provided with beveled seats to accommodate the said brace, substantially as set forth.

3. In a fence-post comprising, essentially, a metal upright rectangular in cross-section and a round metal brace, the herein-described top binding-clamp having a slot terminating in an eye or opening at one end, substantially as set forth.

4. In a fence-post, the combination of the upright, the brace having a horizontal and an inclined portion, the bottom clamp consisting of an approximately semicircular band having beveled seats, and the top clamp having a slot terminating in an eye or opening at one end, substantially as set forth.

5. The combination of the upright, the brace, the connecting-clamps, and a wedge driven above the top clamp between the brace and upright and having grooved sides forming seats for said brace and upright, substantially as set forth.

6. The herein-described fence-post, comprising, in combination, the upright, the brace, the semicircular bottom clamp having the opposite beveled seats, the top clamp having a slot terminating in an eye, a wedge or fastening device driven between the brace and upright above the top clamp, and an anchor secured to the lower horizontal portion of the brace, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ALVA L. KITSELMAN.

Witnesses:

J. H. SIGGERS,
J. EZRA SMITH.