

No. 686,233.

Patented Nov. 5, 1901.

W. MAHER.  
WIRE FENCE CLIP.  
(Application filed May 25, 1901.)

(No Model.)

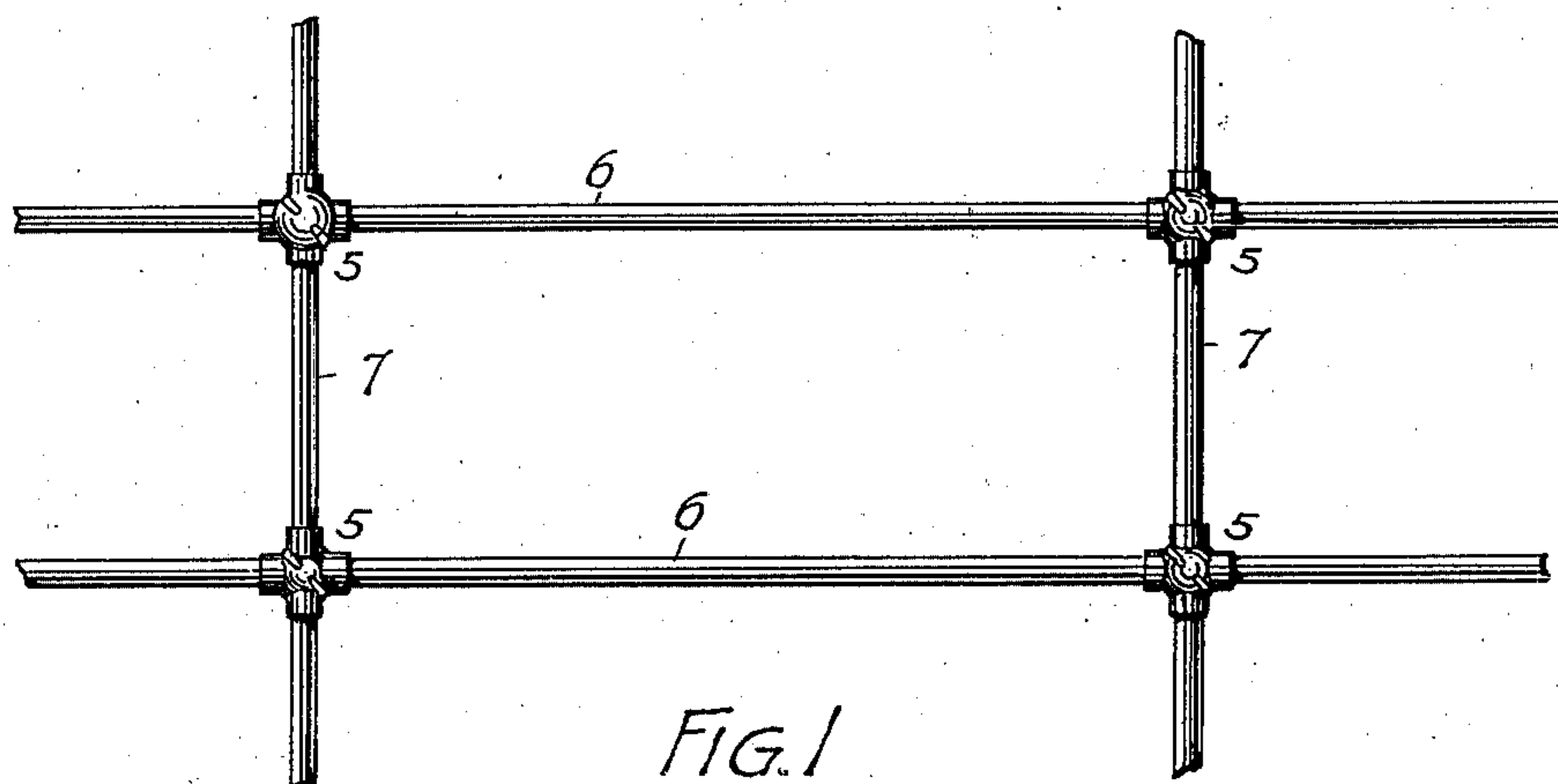


FIG. 1

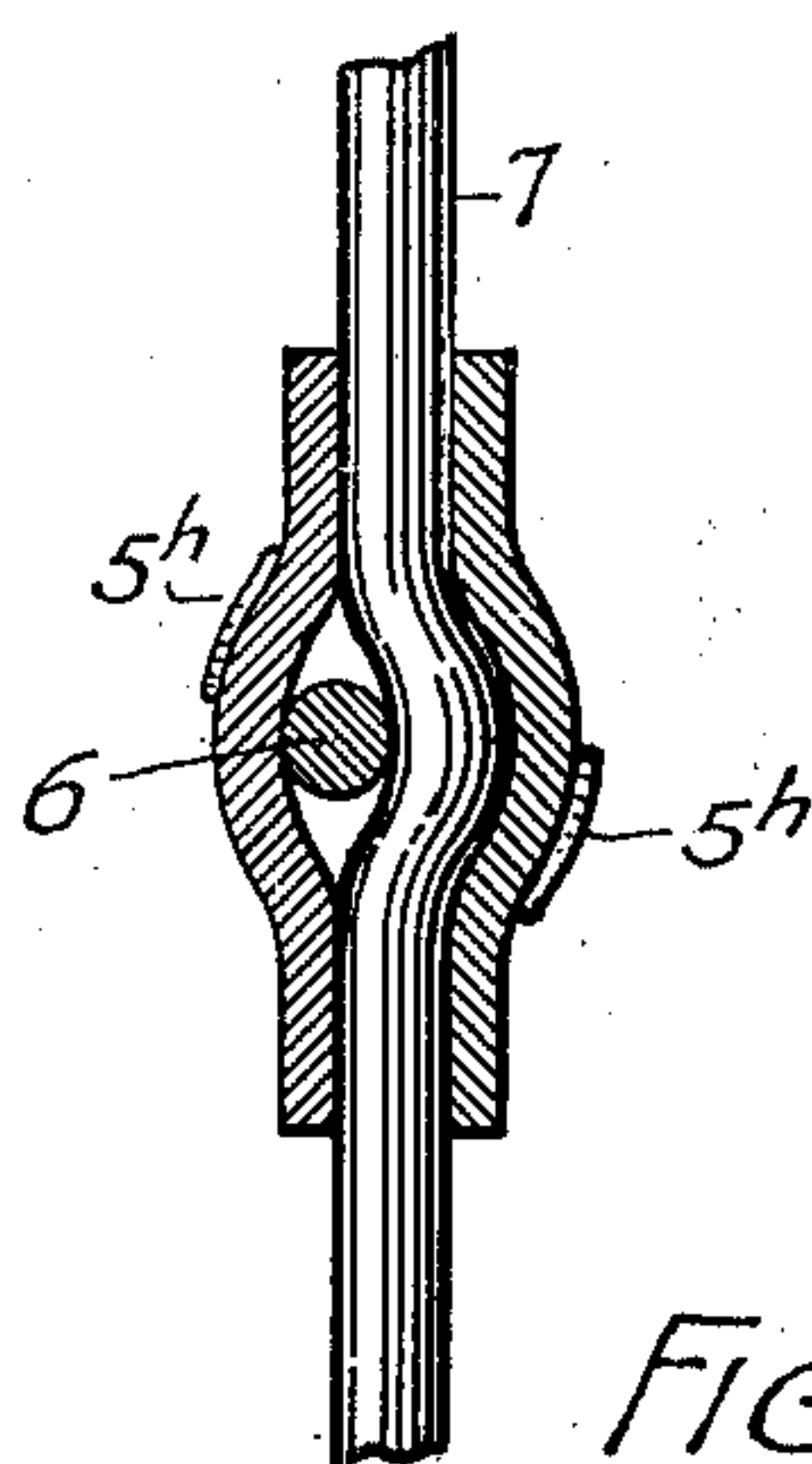


FIG. 3

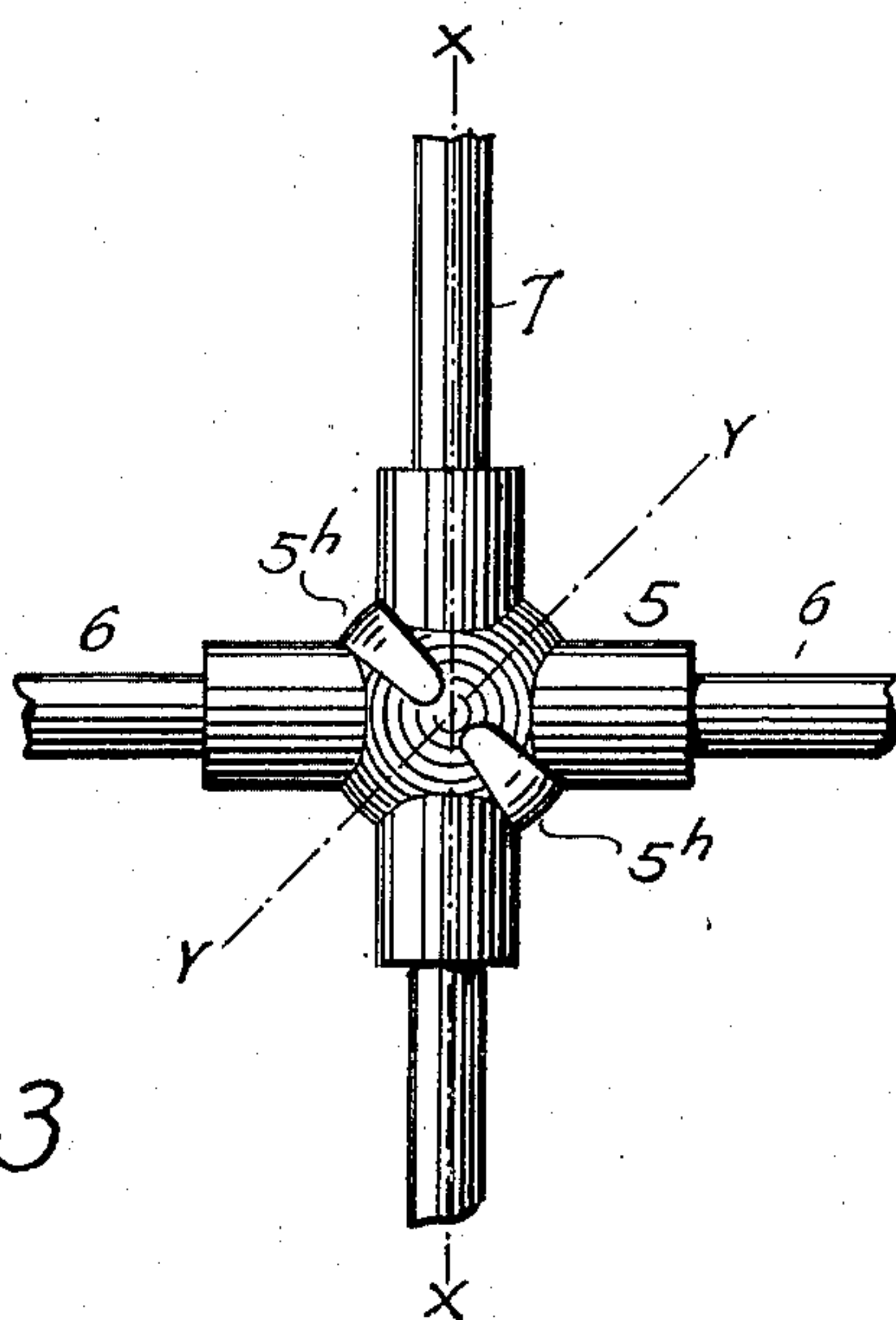


FIG. 2

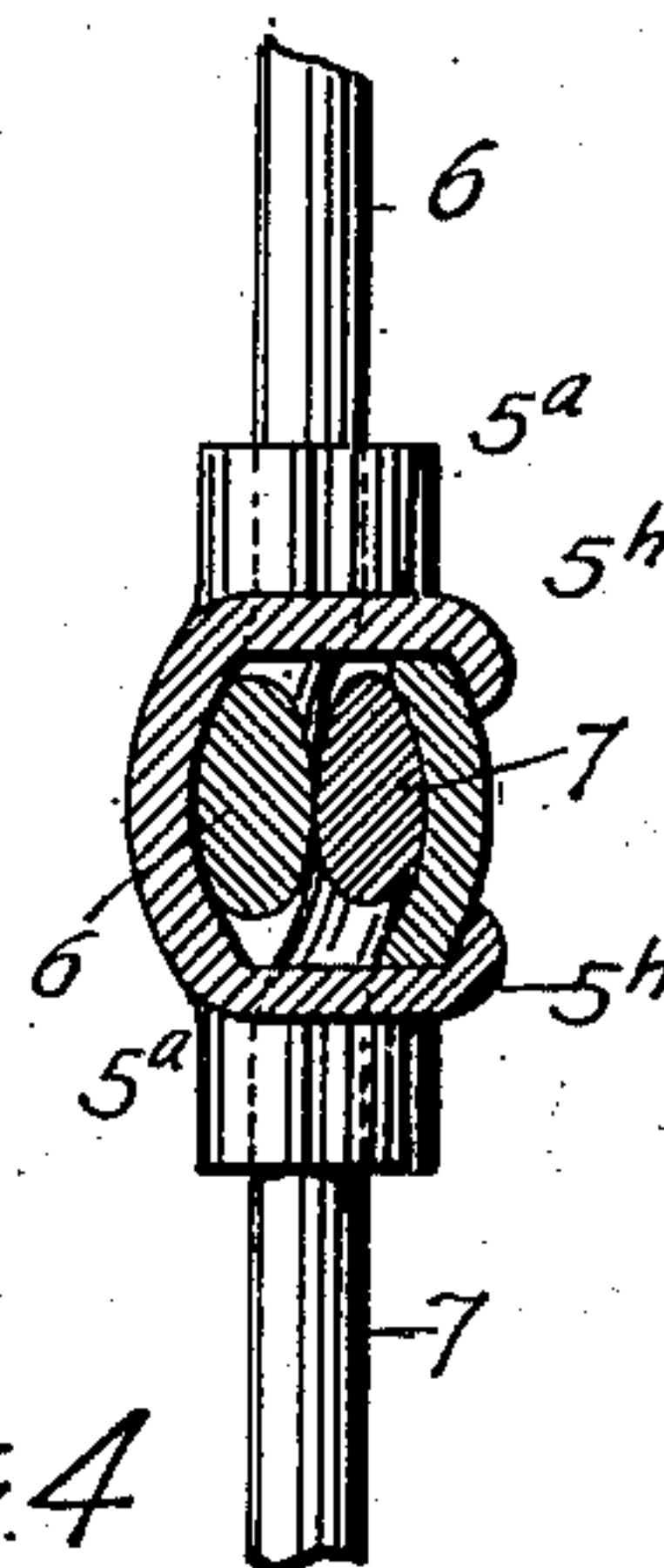


FIG. 4

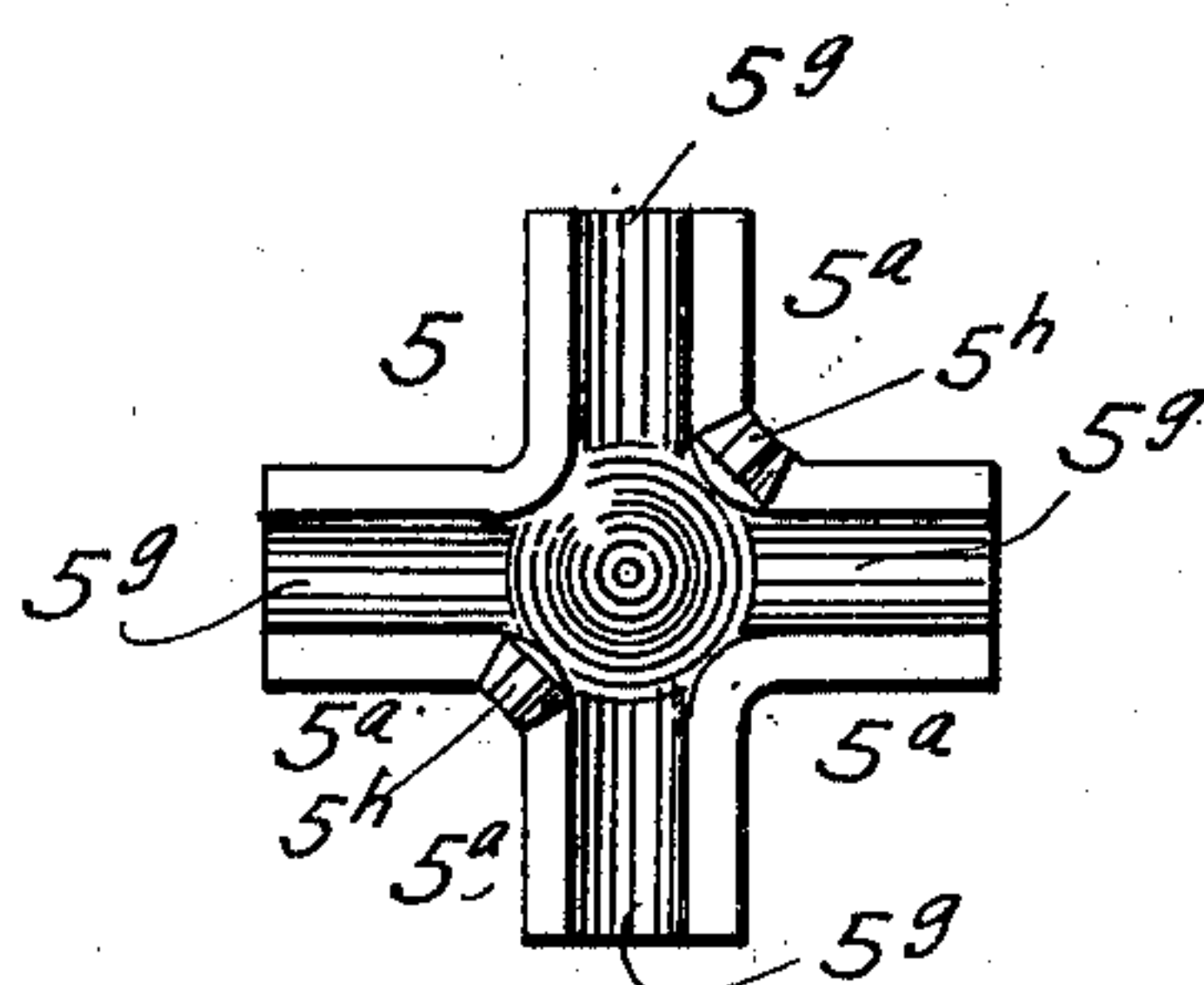


FIG. 5

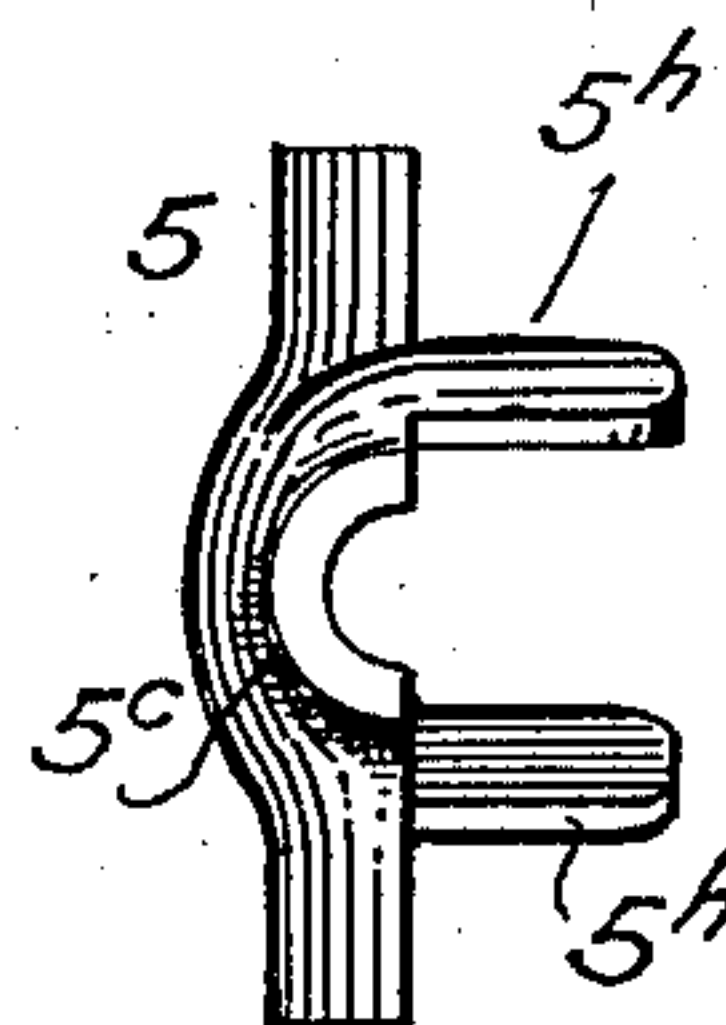


FIG. 6

WITNESSES:  
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# UNITED STATES PATENT OFFICE.

WILLIAM MAHER, OF DENVER, COLORADO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE WESTERN WIRE FENCE COMPANY, OF DENVER, COLORADO, A CORPORATION OF COLORADO.

## WIRE-FENCE CLIP.

SPECIFICATION forming part of Letters Patent No. 686,233, dated November 5, 1901.

Application filed May 25, 1901. Serial No. 61,954. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM MAHER, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Wire-Fence Clips; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in means for fastening wires and stays together in wire-fence construction; and it consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a fragmentary view of a fence, showing my improved fastening-clip in use. Fig. 2 shows the wire and stay connected by the clip, the parts being shown on a larger scale. Figs. 3 and 4 are sections taken on the lines *xx* and *yy*, respectively, of Fig. 2. Fig. 5 is a front view, and Fig. 6 a side view, of one of the clip members.

The same reference characters indicate the same parts in all the views.

My improved clip consists of two members which, as shown in the drawings, are exactly alike or at least substantially identical. Each of these twin members will be designated by the numeral 5 and consists of four projections 5<sup>a</sup>, extending from a central part 5<sup>c</sup>, which is pressed outwardly or otherwise fashioned to form a cavity 5<sup>d</sup> in the face of the clip member, from which cavity lead four grooves or recesses 5<sup>e</sup> of less depth than the central cavity. Two of the projections 5<sup>a</sup> extend at right angles to the other two projections. Two of the grooves 5<sup>e</sup>, in line with each other, form a seat for the wire 6, and the other two grooves 5<sup>e</sup> form a seat for the stay 7.

When the parts are assembled, the two clip

members are placed face to face, so that their grooves and cavities shall register or coincide. The wire and stay cross each other at right angles in the center of the clip and hold the two clip members apart until they are forced toward each other by a suitable tool, (not shown,) when the wire and stay will be bent in opposite directions into the central cavities 5<sup>d</sup> of the respective clip members. Each clip member is provided with two arms 5<sup>b</sup>, diagonally arranged on opposite sides of the central portion of the member and located at the exterior angles formed by its projections 5<sup>a</sup>. When the two parts are assembled to form the fastening-clip, each of the arms 5<sup>b</sup> of each member passes between two of the projections 5<sup>a</sup> of the opposite member. These arms are of sufficient length to be bent down or clenched on the part 5<sup>c</sup> of the opposite member, (see Figs. 1 to 4,) whereby the clip members are securely locked together and the wire and stay locked in the position heretofore described. By reason of the central cavities 5<sup>d</sup> of the clip members and the bends formed in the wire and stay where they cross each other, said bends being located in these cavities, as heretofore explained, the wire and stay are securely locked against movement.

Each member of the clip is preferably stamped from an integral piece of metal.

Having thus described my invention, what I claim is—

1. A wire-fence fastening-clip composed of two twin members, each having four projections radiating from a central part, the said projections having grooves or recesses, the projections of the members being so arranged that when they are assembled face to face, the grooves of the two members shall register or coincide, and form seats for the wire and stay, each member being provided with an arm arranged to embrace the opposite member and clench thereon whereby the two clip members are secured together.

2. A fastening-clip composed of two members, each having a central part provided with a cavity, and grooved projections extending from the central part and forming



seats for the wire and stay when crossed at the center of the clip, the arrangement being such that when the parts are assembled, the wire and stay will be bent into the respective  
5 cavities of the members, each member being provided with fastening-arms adapted to embrace the other member.

3. A fastening-clip composed of two twin members, each having a central part provided  
10 with a cavity, and projections provided with grooves or recesses, the central cavity being deeper than the grooves of the projections, the arrangement being such that when the parts are assembled, the wire and stay cross  
15 in the center of the clip, and are bent into the central cavities, while the grooved projections form seats for the wire and stay respectively, each member being provided with two arms adapted to embrace the other mem-  
20 ber.

4. The combination with the wire and stay, of a fastening-clip composed of two twin members, each having a central part provided with a cavity, and four projections having grooves  
25 or recesses communicating with said cavity, the arrangement being such that when the

parts are assembled, the wire and stay cross each other in the central part of the clip whose members are placed face to face so that their  
30 grooves and cavities register or coincide, the grooves forming seats for the wire and stay which are bent where they cross, into the cavities of the clip members, each member having fastening-arms adapted to embrace the other  
member.

5. A wire-fence fastening-clip composed of  
35 two cooperating, twin members each having a central part provided with a cavity, and four projections having grooves or recesses forming seats for the wire and stay when crossed  
40 in the central part of the clip, each member having two arms diagonally arranged and adapted to embrace and clench the other member, all the parts of one member being identical in size, form and arrangement with the  
45 other member.

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

WILLIAM MAHER.

Witnesses:

D. C. SHICK,  
MARY C. LAMB.