

No. 840,164.

PATENTED JAN. 1, 1907.

W. H. SHIERSON.  
TIE FOR WIRE FENCING.  
APPLICATION FILED FEB. 24, 1906.

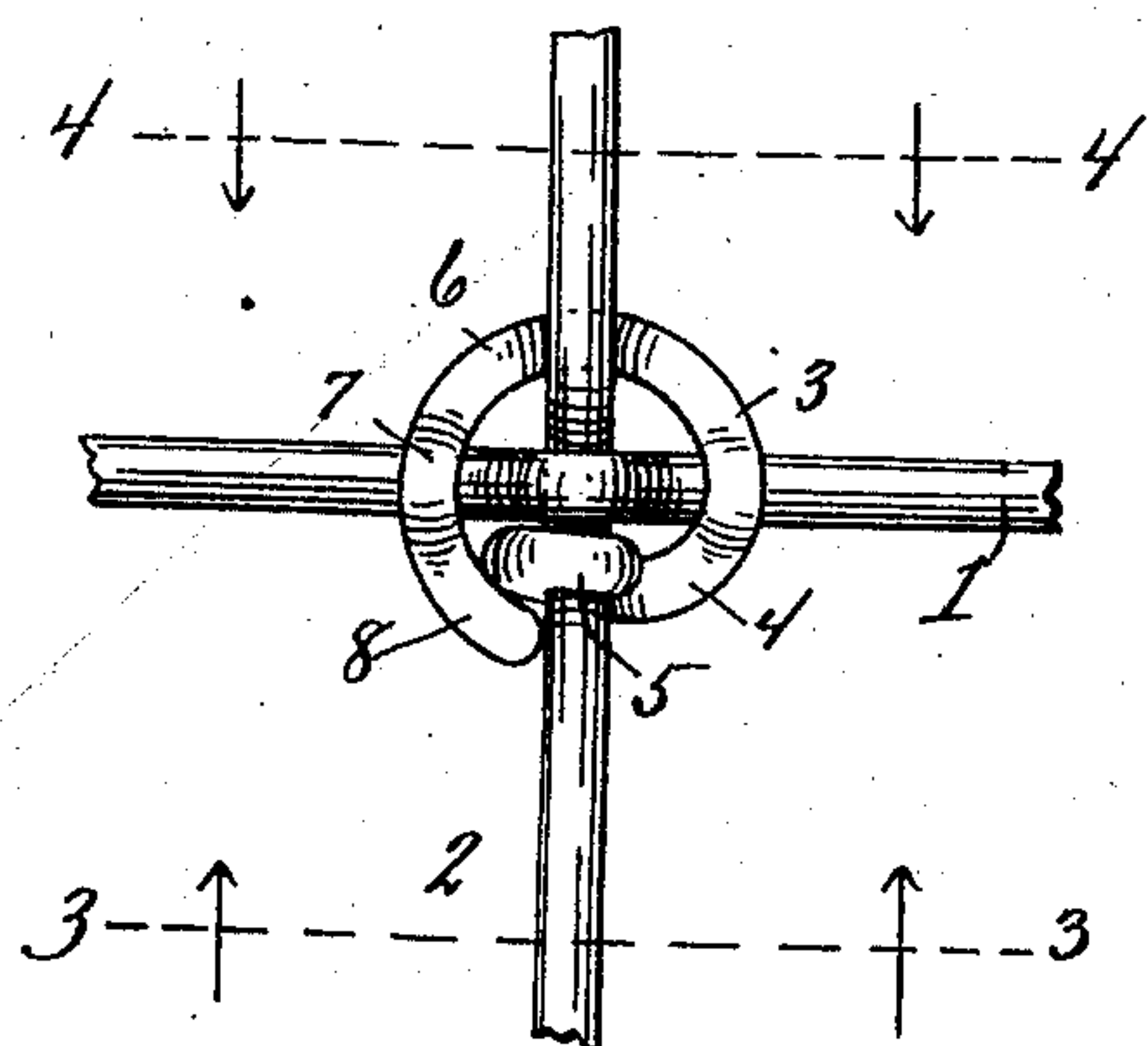


Fig. 2.

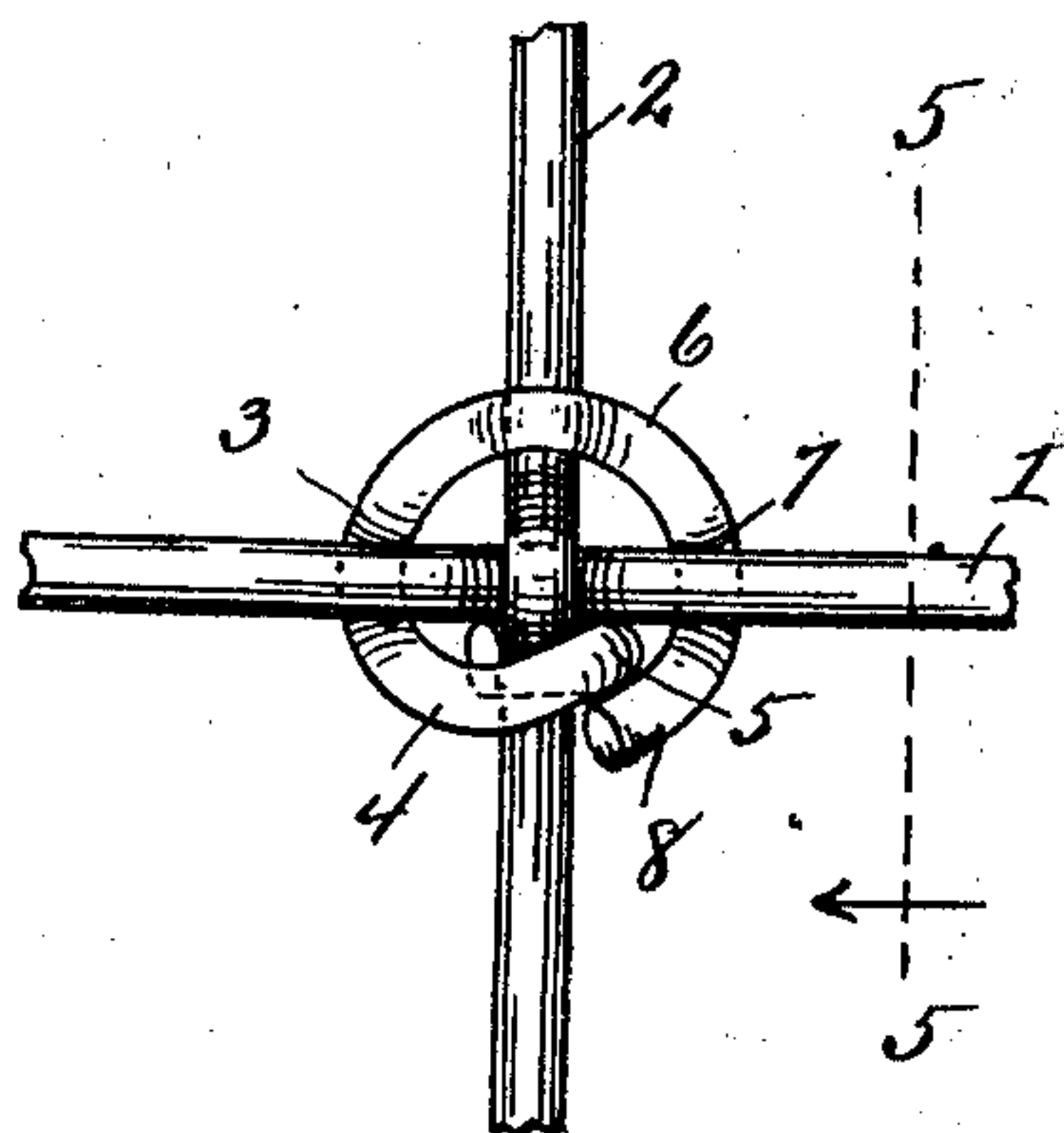


Fig. 1.

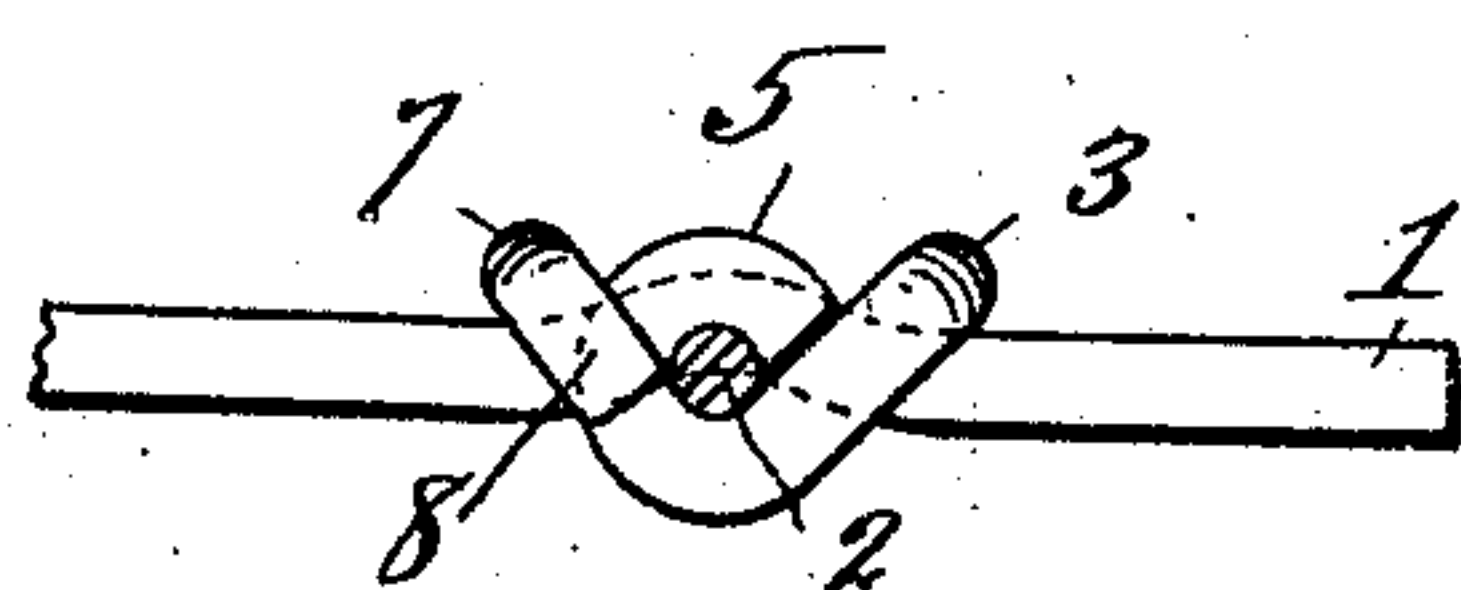


Fig. 3.

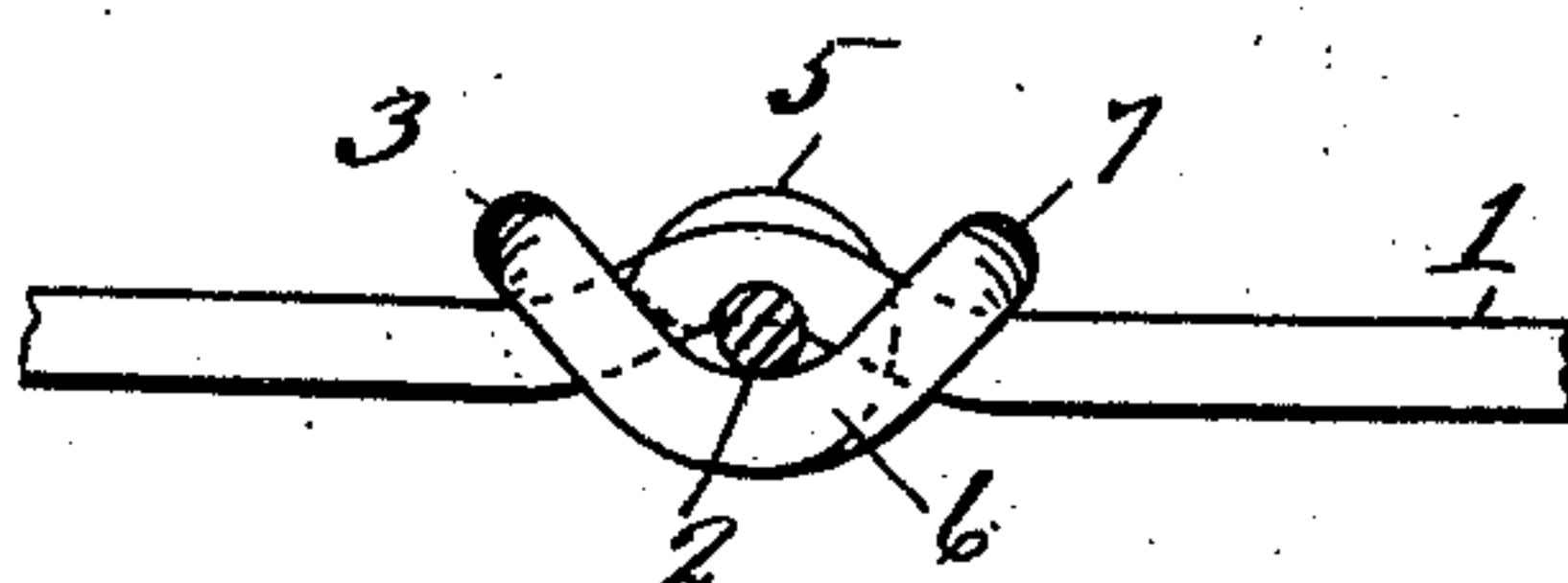


Fig. 4.

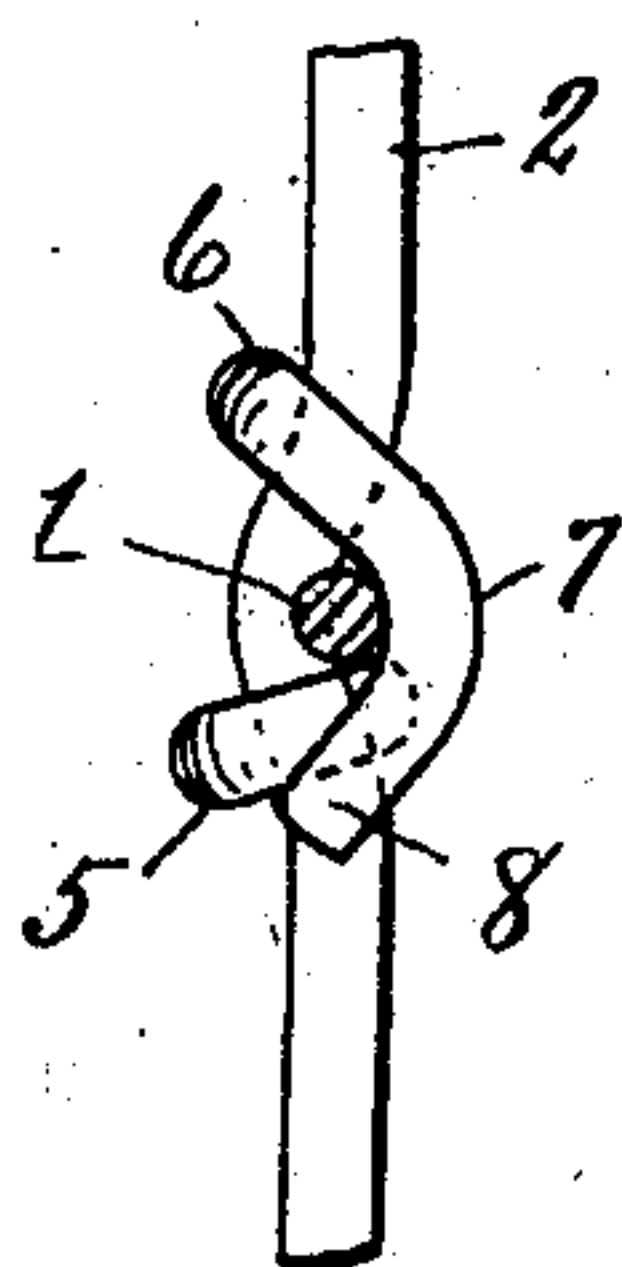


Fig. 5.

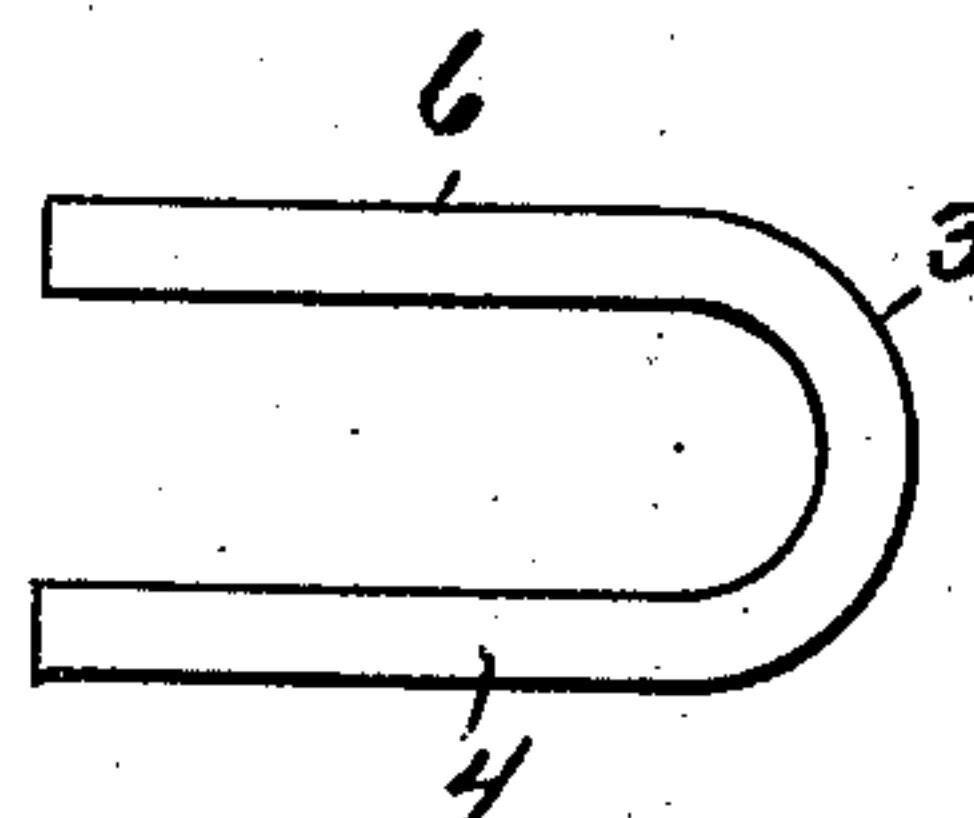


Fig. 6.

Witnesses.  
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# UNITED STATES PATENT OFFICE

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## TIE FOR WIRE FENCING.

No. 840,164.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed February 24, 1906. Serial No. 302,693.

*To all whom it may concern:*

Be it known that I, WILLIAM H. SHIERSON, a citizen of the United States, residing at Adrian, in the county of Lenawee, State of Michigan, have invented certain new and useful Improvements in Ties for Wire Fencing; 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.

This invention relates to new and useful improvements in ties for wire fencing; and it consists in the formation and association of parts hereinafter fully set forth, and pointed out particularly in the claim.

The object of the invention is to provide a tie for joining the crossed strands of a wire fencing or fabric in a manner to prevent lateral displacement of said strands and wherein the arrangement is such as to enable the tie to be driven into place between suitable dies which are caused to embrace said strands in the operation of manufacturing wire fencing.

The above object is attained by the structure illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of a tie involving this invention embracing and joining the crossed strands of a wire fencing. Fig. 2 is a plan view of the tie, showing the reverse side thereof. Fig. 3 is a sectional view through the vertical or stay wire as on line 3-3 of Fig. 2. Fig. 4 is a sectional view through said wire, as on line 4-4 of Fig. 2. Fig. 5 is a sectional view through the longitudinal or line wire as on line 5-5 of Fig. 1. Fig. 6 is an elevation of the staple of which the tie is formed, showing the shape thereof before being driven between the forming-dies, which direct it upon the crossed strands of the fabric to join them, as shown.

Referring to the characters or reference, 1 designates the line or longitudinal wire, and 2 the stay or vertical wire, said wires crossing each other at right angles and being crimped at the point of crossing, as is common in the art, to assist in preventing displacement of said wires one upon the other.

The tie-wire is preferably made in the

form of a staple, as shown in Fig. 6, and is directed about the crossed strands to join them between suitable dies, (not shown,) which embrace said strands of the fabric at the juncture thereof.

When the tying-staple is properly formed upon the crossed strands of the fabric to join them, the loop end 3 of the staple lies upon and crosses the strand-wire, while the leg 4 thereof passes in the rear of the stay-wire, and the terminal portion of said leg is formed into an eye 5, which tightly embraces said stay contiguous to and immediately below the line-wire, serving as a support which prevents the line-wire being depressed. The leg 6 of the staple or tie in the operation of driving it into place also passes in the rear of the stay-wire above the point where the line-wire crosses said stay, and is directed upwardly and across said line-wire, as shown at 7, the terminal portion 8 of said leg curving backwardly and downwardly in the arc of a circle and engaging the eye 5 of the leg 4 on its under side, thereby firmly tying the strands together and supporting said eye against slipping upon the stay-wire away from the strand-wire, making a compact and strong tie for joining the crossed strands of a wire fencing or fabric.

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

In a tie for wire fencing, the combination with the crossed strand and stay wires, of a tie-wire having its loop or body portion lying upon the strand-wire at one side of the stay-wire, legs passing in the rear of the stay-wire, the terminal portion of one leg being formed into an eye around the stay-wire contiguous to the strand-wire, the other leg after passing in the rear of the stay-wire having its end portion curving in the arc of a circle across the strand-wire on the opposite side of the stay-wire from the loop of the tie, the terminal portion of said last-mentioned leg curving inwardly toward the stay-wire and engaging the outer face of the eye of the first-mentioned leg which is formed around said stay.

In testimony whereof I sign this specification in the presence of two witnesses.

WILLIAM H. SHIERSON.

Witnesses:

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