

No. 870,571.

PATENTED NOV. 12, 1907.

G. R. MILLS.
WIRE FENCE TIE.
APPLICATION FILED JUNE 25, 1907.

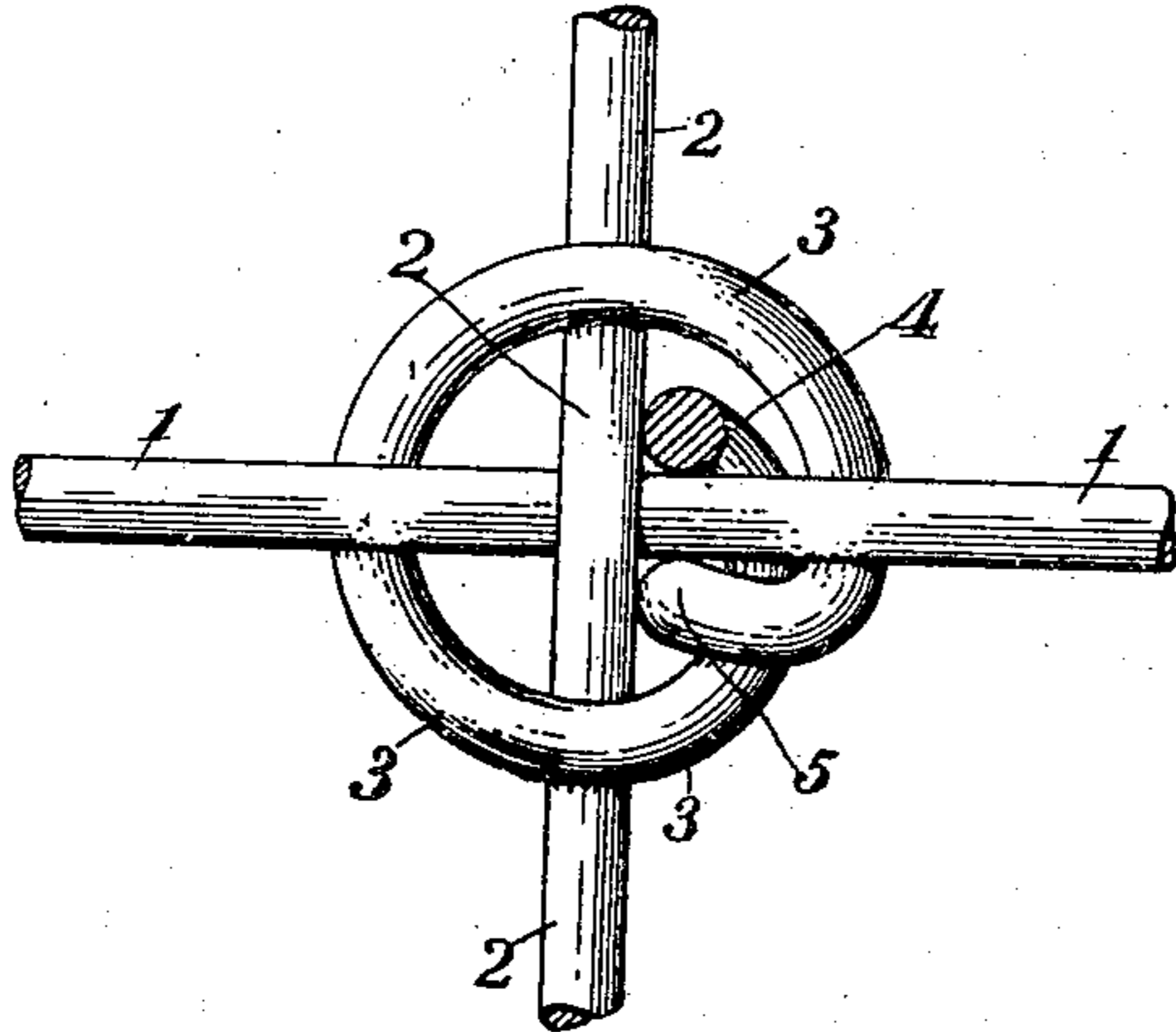


Fig. 1.

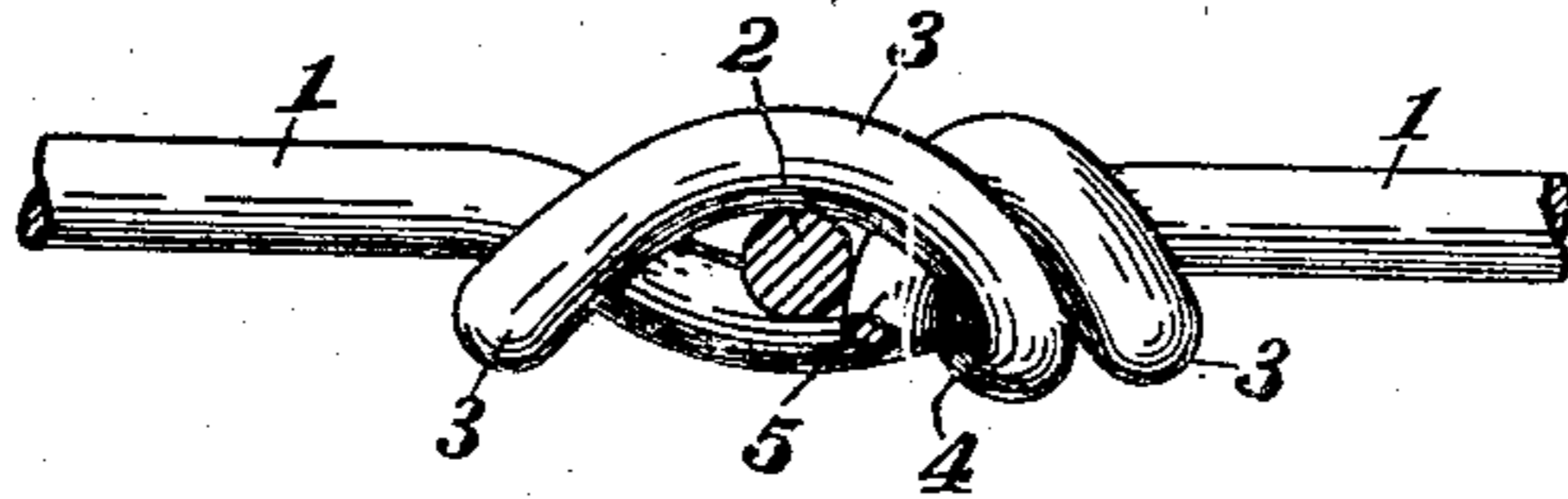


Fig. 2.

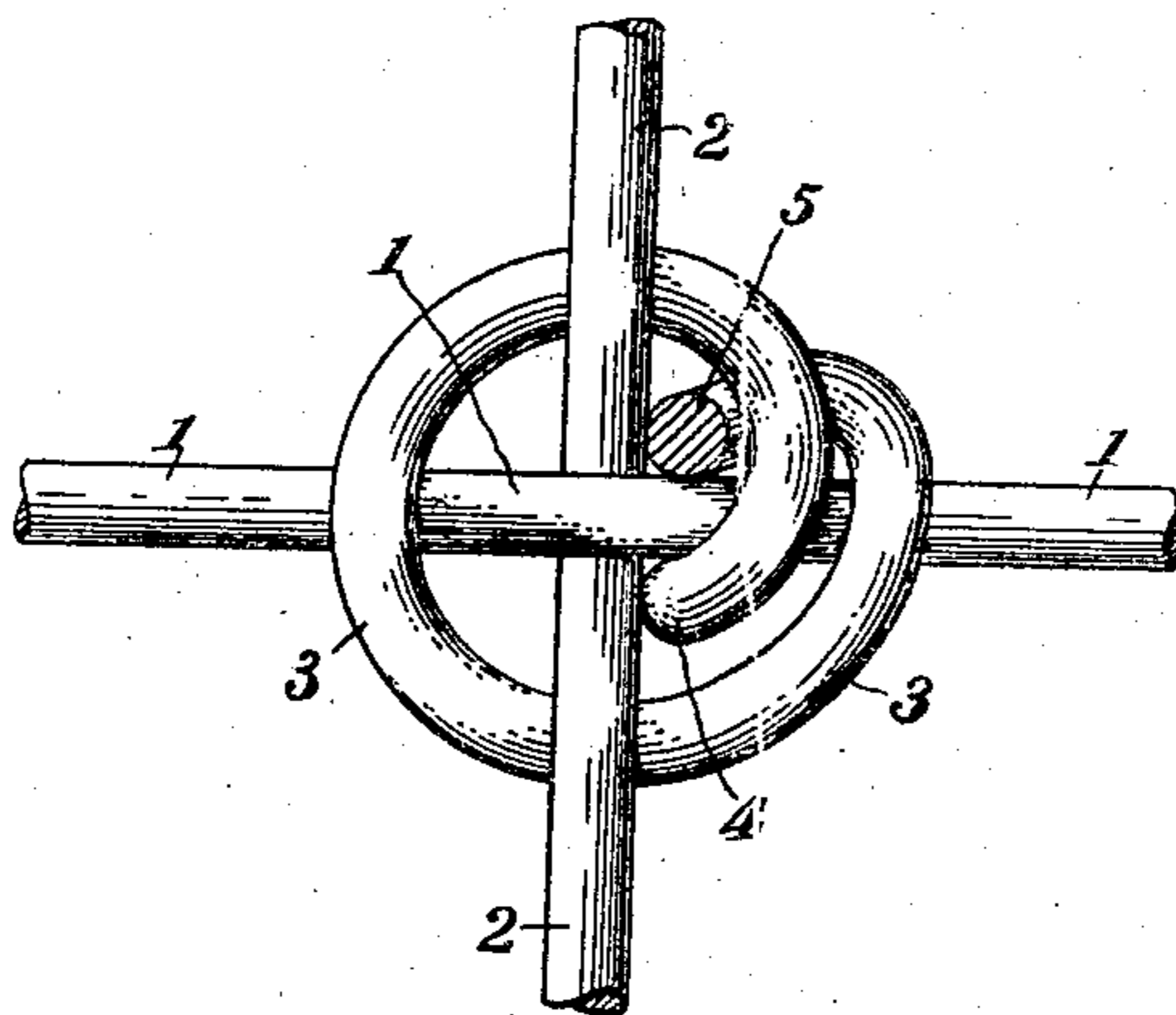


Fig. 3.

Witnesses
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GEORGE R. MILLS, OF HUDSON, MICHIGAN.

WIRE-FENCE TIE.

No. 870,571.

Specification of Letters Patent.

Patented Nov. 12, 1907.

Application filed June 25, 1907. Serial No. 380,727.

To all whom it may concern:

Be it known that I, GEORGE R. MILLS, a citizen of the United States of America, residing at Hudson, in the county of Lenawee and State of Michigan, have invented certain new and useful Improvements in Wire-Fence Ties; 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 improvements in wire fence ties, and more particularly to ties made of wire and applied to wire fences at the crossing of the stay wires and strand wires, for securing the same in place relative to each other; and its object is to provide a device of substantially circular outline, and having its ends well secured and protected, and to provide the same with various new and useful features hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings, in which:

Figure 1. is an elevation of a device embodying my invention; Fig. 2. a plan view of the same; and, Fig. 3. an elevation showing the side opposite to that of Fig. 1.

Like numbers refer to like parts and features in all of the figures.

1 represents the strand wire and 2 the stay wire of a wire fence.

My improved tie consists of a piece of wire of suitable length having its middle and greater portion bent in substantially circular form as at 3, and arranged substantially concentric with the crossing of the wires 1 and 2 and also engaging the non-adjacent sides of said wires at four substantially equi-distant points, whereby the fence wires are closely and securely held in contact with each other at their crossing or intersection. To secure the ends of this wire comprising the tie, the ends cross one of the fence wires in opposite directions and side by side, and the outermost end 5 is bent inward in substantially a radial direction and substantially alongside the fence wire 1, and thence partially coiled around the circular part of the tie and terminates within the plane of the said circular portion and adjacent to the crossing of the wires 1 and 2 with the end engaging both of said wires close within the angle formed by such crossing. The other

end 4 is coiled partially around the fence wire and extends at the opposite side of the fence wire to that engaged by the end 5 and also engages both fence wires close within another angle where the same are crossed. These ends thus terminate in oppositely extended portions inserted in respective angles and at the opposite sides of the wire 1; the result being a substantially circular tie with both ends securely held by engagement with the fence wires and also terminating within the plane of its own circular portion, whereby the ends are fully protected from contact with anything that may chance to engage the fence, such as an animal or person, and also securely held from becoming loosened or detached and the whole tie presents a substantially circular and smooth outline.

What I claim is:

1. In combination with crossed fence wires, a wire tie comprising a piece of wire having its middle portion bent substantially in circular form and engaging the fence wires at substantially four equi-distant points, and also arranged concentric with the crossing point of said fence wires, the ends of said tie crossing the fence wires at the same side, and side by side, the outer end of said tie being bent inward substantially radially and alongside of the fence wire and thence partially around the circular portion of the tie, the other end being bent partially around the fence wire oppositely to the first described end, and also within the circular portion of the tie, the said ends both terminating within the said circular portion, and within the plane thereof, and oppositely directed.

2. In a wire fence, in combination with fence wires consisting of a line wire and stay wire crossed at substantially right angles, a wire tie consisting of a circular portion arranged concentric with the crossing point of said wires and engaging the non-adjacent sides of the same at four substantially equi-distant points, the ends of the tie wires crossing a fence wire side by side, and the outer end of the tie wire being bent inward alongside of said fence wire and thence partially around the circular portion of the tie, and also engaging both fence wires close to the crossing thereof, and the other end of the tie wire being bent partially around the last named fence wire and oppositely to the other end of the tie wire, and also engaging both fence wires close to the crossing thereof, the ends of the tie wires being oppositely directed and within the circular portion of the tie.

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

GEORGE R. MILLS.

Witnesses:

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STANLEY C. STONE.