

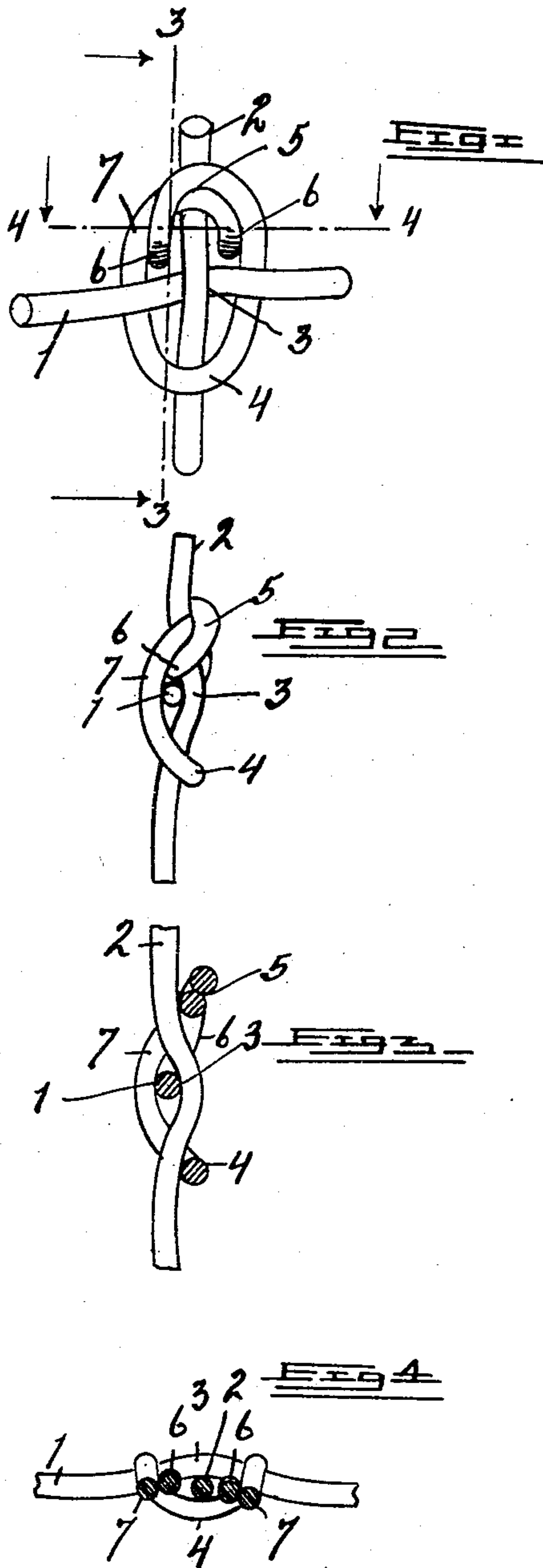
No. 738,142.

PATENTED SEPT. 1, 1903.

S. S. WITHINGTON.
TIE FOR WIRE FENCES.

APPLICATION FILED JULY 23, 1903.

NO MODEL.



Witnesses:

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UNITED STATES PATENT OFFICE.

SHERMAN S. WITHINGTON, OF ADRIAN, MICHIGAN.

TIE FOR WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 738,142, dated September 1, 1903.

Application filed July 23, 1903. Serial No. 166,710. (No model.)

To all whom it may concern:

Be it known that I, SHERMAN S. WITHINGTON, a citizen of the United States, residing at Adrian, in the county of Lenawee, State of Michigan, have invented a certain new and useful Improvement in Ties for Wire Fences; 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 a tie for wire fences; and it consists in the construction and arrangement of parts hereinafter fully set forth, and pointed out particularly in the claims.

The object of the invention is to provide a tie for uniting the cross-wires of a wire fence in such manner as to securely lock said wires together and at the same time avoid all projecting ends, so that the tie-wire when in position will not offer any protruding terminals calculated to scratch or injure stock and to catch and pull the hairs from the tails of horses. The above object is attained by the structure illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a tie uniting the cross-wires of a fence in accordance with my invention. Fig. 2 is a side elevation thereof. Fig. 3 is a vertical section, as on line 3 3 of Fig. 1. Fig. 4 is a transverse section, as on line 4 4 of Fig. 1.

Referring to the characters of reference, 1 and 2 designate the cross-wires of a fence, which are crimped, as at 3, at the point of crossing to more securely retain the wires in place.

The tie consists of an oblong loop somewhat in the form of a staple. This tie-wire is placed upon and secured to the cross-wires in a manner to cause the closed end 4 of the loop to engage over the cross-wire 2, the sides of the loop to pass under the cross-wire 1, and the terminals or end portions of the loop to cross over the wire 2 beyond the wire 1 from oppo-

site sides and to also cross each other, as shown at 5, the extreme points 6 of the wire being bent or turned inwardly, so as to lie between the sides 7 of the loop and the cross-wire 2, whereby said end portions are covered and protected in a manner to prevent anything from catching thereon and at the same time are so positioned as to tie themselves together and prevent any possible opening of the loop, so as to allow of its displacement or disengagement from the cross-wires. By causing the terminals of the tie-wire to cross each other above the cross-wire, as shown, and drawing the ends inwardly between the cross-wire and the sides of the loop or tie-wire a tie is formed that is extremely rigid and calculated to firmly unite the cross-wires, at the same time presenting no protruding ends calculated to do injury to stock.

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

1. In a tie for wire fences, the combination with the cross-wires, of a loop engaging said cross-wires so as to unite them, the terminals of said loop crossing each other and one of said wires, their end portions being turned inwardly to lie between the sides of the loop and the cross-wire and out of contact with the latter.

2. In a stay for wire fences, the combination with the cross-wires, of the tie-wire comprising a loop engaging the cross-wires, the closed end of the loop lying across one of said wires, the sides passing under the other of said wires and the terminals of said loop crossing the first-mentioned wire beyond the second-mentioned wire, their end portions also crossing each other and turning inwardly to lie between the cross-wire and the sides of the loop and substantially parallel with each other.

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

SHERMAN S. WITHINGTON.

Witnesses:

E. S. WHEELER,
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