

No. 772,186.

PATENTED OCT. 11, 1904.

O. S. STURTEVANT.
TIE FOR WIRE FENCING.
APPLICATION FILED JUNE 11, 1904.

NO MODEL.

FIG 1

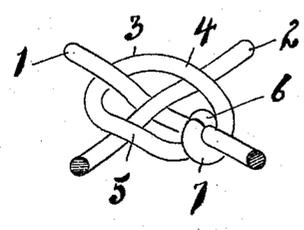


FIG 2

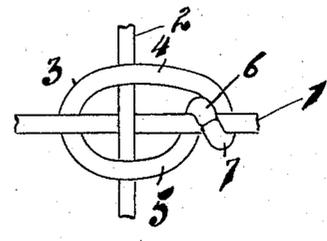


FIG 3

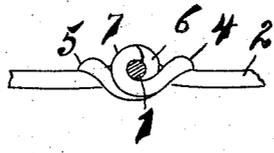
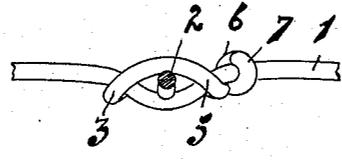


FIG 4

Witnesses:

I. G. Howlett.
E. S. Wright

Inventor

By *his* Attorneys *Orange S. Sturtevant.*
E. S. Wheeler & Co.

UNITED STATES PATENT OFFICE.

ORANGE SCOTT STURTEVANT, OF ADRIAN, MICHIGAN.

TIE FOR WIRE FENCING.

SPECIFICATION forming part of Letters Patent No. 772,186, dated October 11, 1904.

Application filed June 11, 1904. Serial No. 212,102. (No model.)

To all whom it may concern:

Be it known that I, ORANGE SCOTT STURTEVANT, 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 a knot or tie for uniting the crossed wires in a wire fabric or fencing; 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 produce a tie of the character described of such formation as to firmly unite the crossed strands of the fabric and at the same time dispose of the terminals of the tie in a manner to retain them securely in place and at the same time obviate all protruding ends likely to injure stock and producing a tie that is smooth and compact. The above object is attained by the structure illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a tie involving my invention, uniting the crossed strands of a wire fencing. Fig. 2 is a plan view thereof. Fig. 3 is an edge elevation. Fig. 4 is an end elevation.

Referring to the characters of reference, 1 designates what is commonly termed the "longitudinal" or strand wire of wire fencing, and 2 the "transverse" or stay wire. These wires are crossed at right angles and are crimped at the point of crossing. The tie for uniting said strands at their junction comprises a staple 3, having its loop portion lying across the longitudinal wire at one side of the stay-wire, its legs 4 and 5 passing over said stay-wire, the terminal of leg 5 passing under the longitudinal wire and having a hooked end 6 engaging partially over said wire 1, the terminal of leg 4 having a hooked portion 7,

which passes under the longitudinal wire more remote from the stay-wire than terminal 6 and curving around said wire so as to meet the end of terminal 6 nearly at the center of longitudinal wire 1, so that the end portions of said hooked terminal abut in the same plane. This form of tie produces a knot of symmetrical appearance, yet one that securely retains itself in position and firmly unites the crossed wires of the fabric. The knot is formed by driving the staple between suitable dies to direct the legs thereof across and around the crossed wires of the fabric, the hooked terminal 6 being turned from the stay-wire and the hooked terminal 7 toward said stay-wire, whereby said terminals are joined upon the longitudinal strand, as shown, and are caused to lie in the same plane, forming, in effect, an embracing eye around said strand.

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 fencing, the combination with the crossed strands, of the tie comprising a staple having its loop portion lying upon the longitudinal strand at one side of the stay-wire, the legs of said staple passing across the stay-wire, the terminals of said staple being each formed into a partially-closed eye that embraces the longitudinal wire from opposite sides, the ends of said terminals abutting.

2. In a tie for wire fencing, the combination with the longitudinal and stay wires crossing at right angles, of the tie comprising a staple having its loop portion lying upon the longitudinal wire, the legs of the staple passing across the stay-wire, the end portions of said legs crossing the longitudinal wire upon the same side and being bent in opposite directions to embrace said wire, the terminals of the bent portions uniting in forming a single embracing eye which surrounds the longitudinal wire.

3. In a tie for wire fencing, the combination with the longitudinal and stay wires crossed at right angles, of a tie comprising a staple having its loop end lying upon the longitudinal wire, its leg portions crossing the trans-

verse wire parallel with the longitudinal wire,
the ends of said legs crossing the longitudinal
wire on the same side, said ends having
hooked terminals which embrace the longi-
tudinal wire from opposite sides and abut
5 upon the center of said wire forming a closed
eye whose ends lie within the same plane.

In testimony whereof I sign this specifica-
tion in the presence of two witnesses.

ORANGE SCOTT STURTEVANT.

Witnesses:

FRANK REED,
LEVI AUCHAMPAUGH.