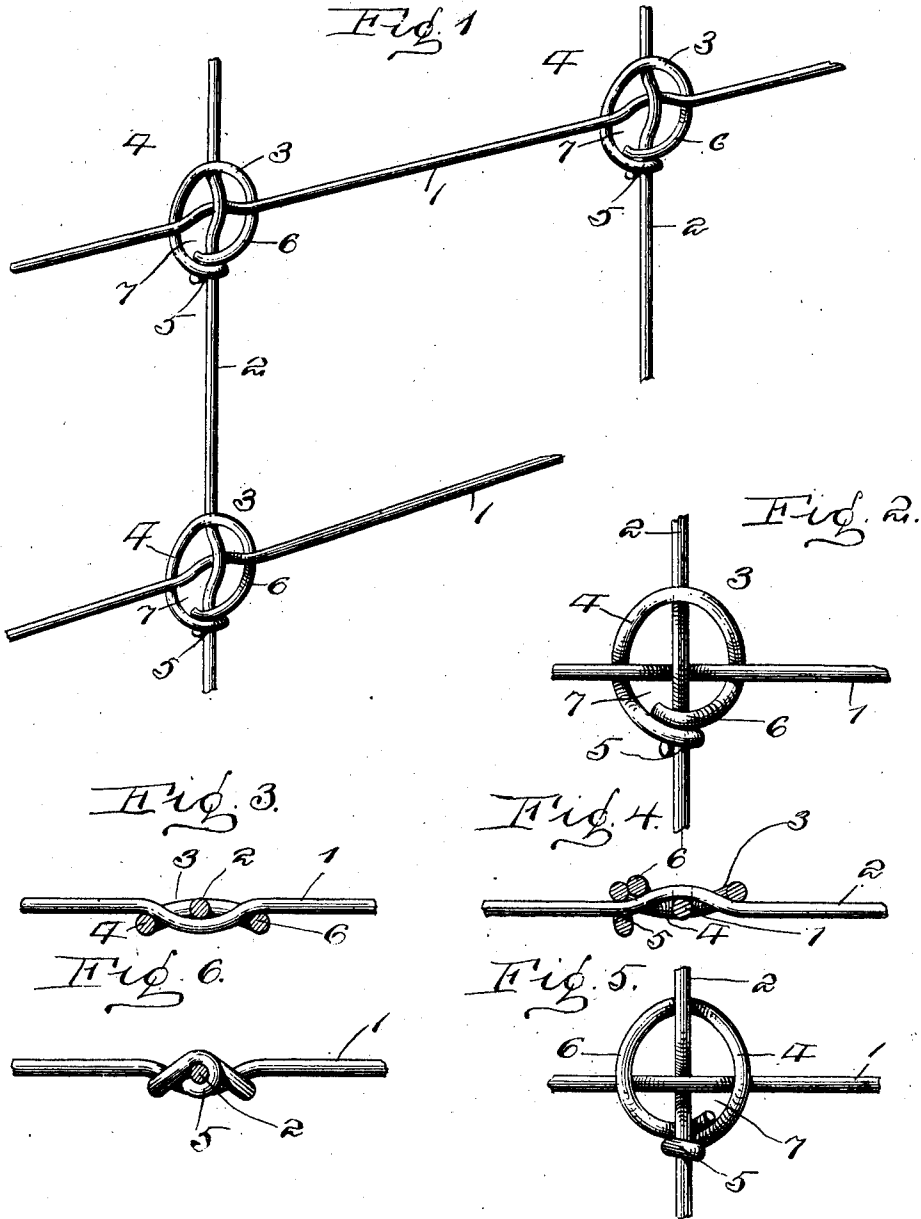


No. 826,500.

PATENTED JULY 17, 1906.

W. W. GUNN.
FENCE TIE.

APPLICATION FILED FEB. 24, 1906.



Witnesses
Samuel T. Payne.
J. H. Sutter.

Inventor
William W. Gunn
by W. F. Paine
Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM W. GUNN, OF SAGINAW, MICHIGAN.

FENCE-TIE.

No. 826,500.

Specification of Letters Patent.

Patented July 17, 1906.

Application filed February 24, 1906. Serial No. 302,752.

To all whom it may concern:

Be it known that I, WILLIAM W. GUNN, a citizen of the United States, residing at Saginaw, in the county of Saginaw, State of Michigan, have invented certain new and useful Improvements in Fence-Ties; 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 fence-ties or to ties for joining the cross-strands of a wire fence or fabric; and it consists in the construction and formation of parts hereinafter more fully set forth, and pointed out particularly in the claim.

The object of the invention is to produce a small and compact tie which will firmly join the crossed strands of a wire fencing and which may be formed of a comparatively short tie-wire, thereby reducing the weight and expense of the fencing without impairing its wearing qualities.

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

Figure 1 is a perspective view showing a tie involving my invention uniting two crossed strands of wire fencing. Fig. 2 is a plan view thereof. Fig. 3 is a sectional view through one of the strands as on a line *a a* of Fig. 2. Fig. 4 is a sectional view through one of the strands as on a line *b b* of Fig. 2. Fig. 5 is an inverted plan view of the tie.

Referring to the characters of reference, 1 designates the longitudinal or strand wire, and 2 the transverse or stay wire, of a wire fencing, said wires crossing each other at right angles and being crimped at the point of intersection, as is common.

The tie-wire with which the crossed strands are united is made in the form of a staple and is driven between suitable dies, which embrace said crossed wires and in whose work-

ing faces are formed channels and concavities which direct the legs of the staple around the crossed wires to unite them, as will be well understood.

In the tie, as herein shown the loop 3 of the staple lies upon and crosses the stay-wire 2, while the legs thereof pass in the rear of the strand-wire 1, the terminal of leg 4 after passing in the rear of the strand-wire being bent forwardly and then over the stay-wire and formed into an eye 5, which firmly engages said stay-wire. The opposite leg 6 of the staple also passes in the rear of the strand-wire and thence forward and over the stay-wire between the strand-wire and the eye 5, the terminal being depressed into the space 7 between the eye 5 and the strand-wire, thus receiving support against straightening from strains through movement of the wires and making a strong compact knot or tie of a very rigid character.

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 a strand-wire and a stay-wire crossed at right angles and oppositely bent at their crossing-point, of a tie of substantially circular form, having overlapping ends, one of said ends being formed into a tightly-drawn eye around the stay-wire below the strand-wire, said leg on which the eye is formed passing across the strand-wire, the loop end of the tie then passing across the stay-wire on the opposite side thereof, to that side of the strand-wire on which said leg passes, the other leg of the tie crossing the strand-wire on the same side thereof as the first leg, and said last-named leg passing across the stay-wire between the eye of the first-named leg and the strand-wire and having its extreme end depressed into the opening between the strand-wire, the stay-wire and the eye of the first-named leg.

WILLIAM W. GUNN.

Witnesses:

E. E. POTTER,
M. E. WHITE.