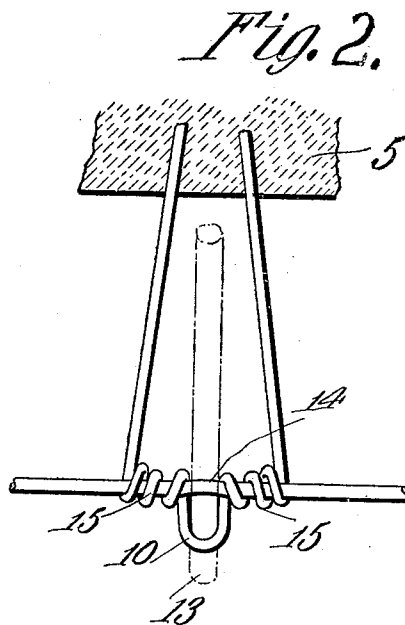
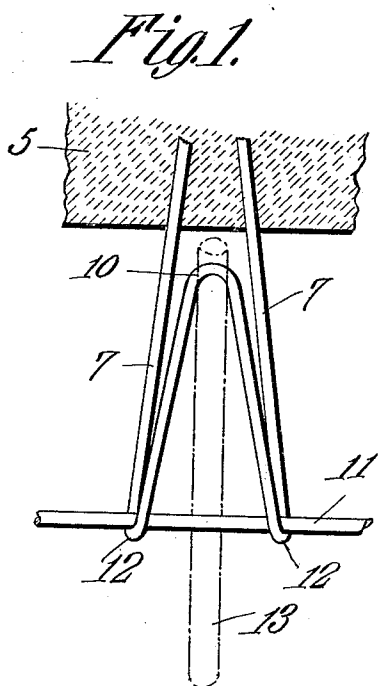


E. E. ORR.
FENCE WIRE FASTENER.
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946,848.

Patented Jan. 18, 1910.



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FENCE-WIRE FASTENER.

946,848.

Specification of Letters Patent.

Patented Jan. 18, 1910.

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To all whom it may concern:

Be it known that I, EDWARD E. ORR, a citizen of the United States, residing at Mount Hope, in the county of Sedgwick and State of Kansas, have invented a new and useful Fence-Wire Fastener, of which the following is a specification.

This invention relates to fence posts and more particularly to a staple or fastener, for retaining the line wires in position on the post.

The object of the invention is to provide a staple or fastener having its opposite ends attached to the post and its intermediate portion coiled around the adjacent line wire, thereby to prevent slipping of said line wire.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claim.

In the accompanying drawings forming a part of this specification:—Figure 1 is a horizontal sectional view through a fence-post showing a wire-fastener constructed in accordance with the present invention in position thereon, and before the latter is coiled around the line-wire. Fig. 2 is a view similar to Fig. 1, but showing the fastener bent about the line wire.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved staple or wire fastener forming the subject matter of the present invention is principally designed for attachment to reinforced concrete fence posts and by way of illustration is shown in connection with a concrete post of the ordinary construction which is designated by the numeral 5. The fastener is formed from a single strand of wire bent upon itself to afford legs 7, and the intermediate portion of the fastener is bent rearwardly between the converging legs 7 to produce an open ended loop 10 adapted to be coiled or twisted around the adjacent line wire 11, thereby to lock the line wire on the post and prevent slipping of the same. In attaching a line

wire to a fence post, said wire is inserted between the loop 10 and the adjacent legs 7 of the staple and then moved laterally until the wire bears against the curved end portions 12 of said staple, the latter forming stops and serving to space the line wire the required distance from the fence post. After the wire is positioned on the staple a bar or other suitable tool indicated in the dotted lines at 13 in Figs. 1 and 2 of the drawing, is positioned on the wire with one end thereof passing beneath said line wire and with the opposite end thereof extending over the closed end of the loop 10, the rod is then partially rotated which coils the wire forming the loop 10 around the line wire 11, in the manner shown in Fig. 2 of the drawing.

Attention is here called to the fact that when the rod or tool 13 is rotated to twist or coil the loop 10 upon the line wire 11, a kink or depression 14 will be formed in said line wire between the coils or convolutions 15 of the staple, thereby to prevent longitudinal slipping movement of the line wire within the staple or fastener. It will also be noted that the loop 10 in combination with the converging arms of the staple or fastener form in effect a pair of spring clamping members for engagement with the line wire, thereby to hold the line wire in position on the post during the twisting or coiling operation.

By employing a staple or fastener of the character described, should the wire between any two posts become broken or otherwise severed, the same may be readily repaired without the necessity of tightening the wire on the adjacent posts, this being due to the fact that the line wire is permanently secured to each post and locked against accidental longitudinal movement. Such a construction of staple also prevents undue strain on the corner-posts in a line of fencing and at the same time prevents the line wires from coming into immediate contact with the fence post, which, when made of wood has a tendency to cause the wood to rot or decay when exposed to the elements.

Having thus described the invention what is claimed is:—

The combination with a fence post having a plane face, of a fence wire fastener carried thereby and comprising a single strand of wire bent intermediate of its ends to form spaced portions having their extremi-

ties embedded in the post, the said spaced portions being bent at corresponding points between their ends to form a retrorse loop, the bight of the loop being presented toward the said plane face of the post, and spaced therefrom to permit of the passage of a fence wire between the said loop and the said plane face of the post, the sides of the loop being converged in the direction of the post and the spaced portions of the fastener inwardly of the loop thereof being converged in the direction of the post, the convergency of the sides of the loop being

more acute than the convergency of the said spaced portions of the fastener inwardly of the loop, whereby to permit of coiling of the said sides of the loop about a fence wire received in the bends affording the loop. 15

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses. 20

EDWARD E. ORR.

Witnesses:

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