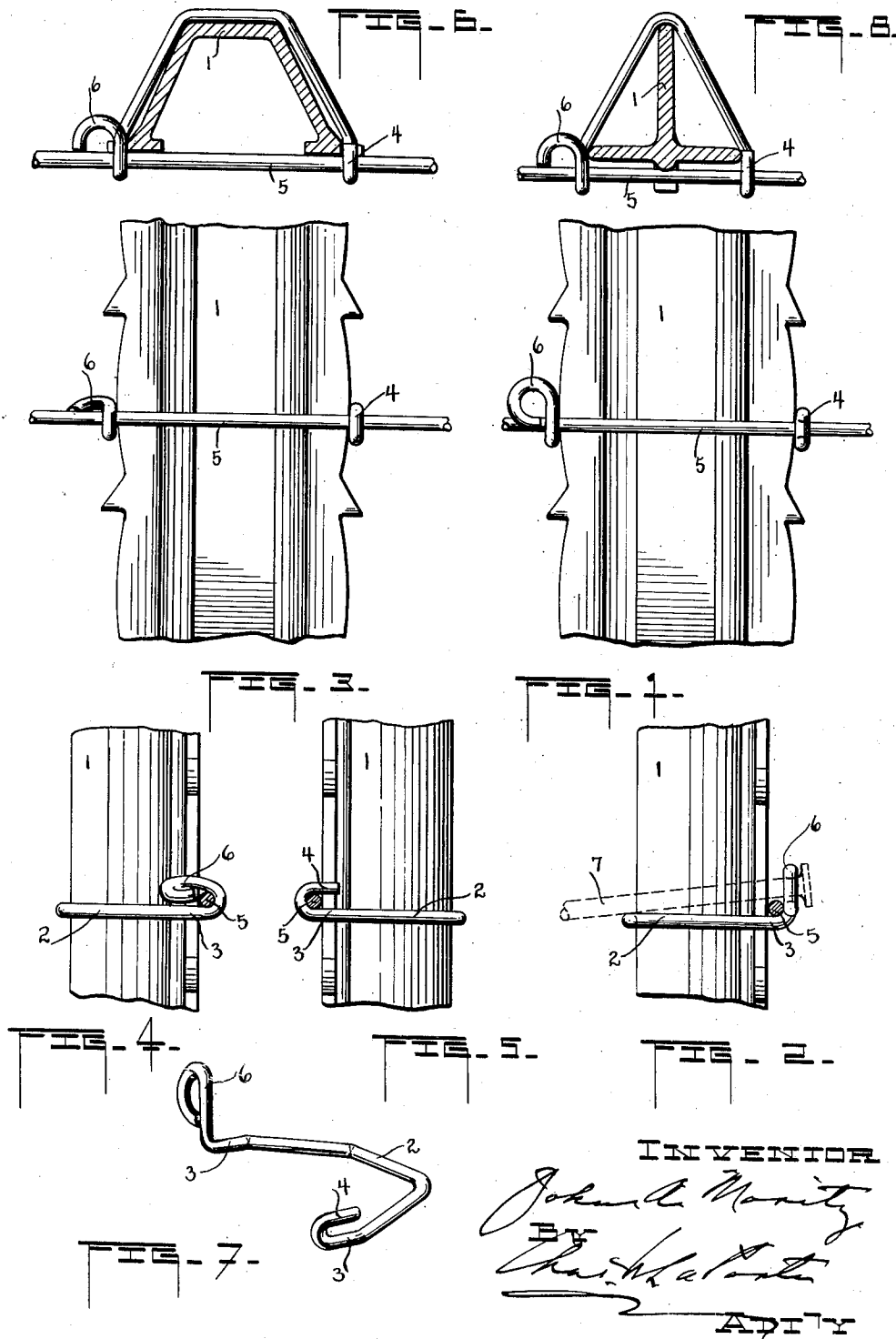


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FENCE WIRE FASTENER

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FENCE WIRE FASTENER

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2 Claims. (Cl. 256-57)

This invention has reference to wire fasteners or clips, such as may be utilized as a clamp for fastening the longitudinal or strand wires of a wire fence to steel posts now generally employed in the erection of such fences.

The principal object of the invention is to provide an article of this character, which consumes the minimum of wire and therefore at first cost shall be very cheap; and so designed and formed that manufacturing cost is very low and so constructed that its application to the post for securing a wire thereto shall be simple yet effective and with the least possible effort, requiring no special tool.

The invention has for a further object to provide a wire fastener having only one deforming element and that an eye normally lying parallel to the face of the post, against which the strand wire is secured, and also offset laterally from the body of the fastener and in a plane parallel of and next adjacent the strand wire. A nail or a like article being employed, passed through the eye and when manipulated causing the eye to be looped or partially coiled or bent about the strand wire for fastening the strand wire to the post. The eye having a free extremity will be more or less spread or opened during the attaching operation, but its extremity will be caused to lie closely adjacent the strand wires leaving no jagged or projecting ends which might scratch, cut or injure any person or livestock coming into contact therewith.

The body of the fastener, as will be apparent, may be shaped to adapt it to the contour of various steel posts, as for example a T or a U post, or channel or angle or other designs, and in addition to the eye formed at one extremity of the fastener, its opposite end is provided with the usual hook to engage the strand wire on the side of the post opposite to the side at which the eye is caused to engage said strand wire.

That the invention may be more fully understood, reference is had to the accompanying drawing forming part of this description illustrating a preferred embodiment of the invention, in which:

Fig. 1 is a face view of one design of steel fence post, a strand wire disposed thereacross and my improved fastener engaging the post and wire preparatory to securing of such wire to the post;

Fig. 2 is an edge view of Fig. 1, the dotted lines denoting a nail or an equivalent member projecting through the eye of the fastener preliminary to bending the eye over the strand wire;

Fig. 3 is a view similar to Fig. 1 after the eye of the fastener has been deformed by bending the same over the strand wire;

Fig. 4 is an edge view of Fig. 3;

Fig. 5 is an edge view similar to Fig. 4 but of the opposite edge of the post and showing the hook on the fastener receiving the strand wire;

Fig. 6 is a top plan view of Fig. 3;

Fig. 7 is a perspective view of the fastener, and

Fig. 8 is a view somewhat similar to Fig. 6, except that the body of the fastener is shown fashioned to adapt it to a different cross-section of post than that shown in the other figures.

Like characters of reference denote corresponding parts throughout the figures.

In the figures, 1 designates a post and as illustrated in Figs. 6 and 8 the cross-section of the post may differ somewhat in design or configuration. I am not concerned with this detail since the body of the fastener can be shaped to embrace the post with its opposite ends disposed or placed to engage a strand wire of a fence for securing such a strand to and against the face of the post.

2 designates the fastener, the body portion of which is fashioned, shaped or designed to adapt it to a certain type of post, as for example such as is shown in Fig. 6, or in Fig. 8, or any other type of steel post. These designs vary with different manufacturers.

The end portions 3 of the fastener are spaced apart conforming to the width of the post and disposed substantially parallel, as shown, and when the fastener is applied to the post these parallel portions are disposed at right angles to the face of the post and project forward therefrom. One of these end portions is bent back on itself to provide an inwardly facing open hook 4.

When applying the fastener to a post and to a strand wire 5 this hook is caught over the strand wire, in the manner shown. The opposite end portion 3 of the fastener is fashioned in the form of an eye 6 which is off-set laterally from the end portion 3 with its free extremity turned downwardly and inwardly toward its body.

When applying the fastener to a post and to a strand wire 5 the eye 6 is caused to be caught up under the strand wire with the latter lying crosswise of the end portions 3. In this assembled relation the extremity of the eye lies parallel of and in the horizontal plane of the strand wire 5 and affords a bearing against the strand wire when the eye is bent over the strand wire for securing the fastener as well as the strand wire against the post, as should be understood.

When applying the fastener to a post and to a strand wire 5 the eye 6 is caused to be caught up under the strand wire with the latter lying crosswise of the end portions 3. In this assembled relation the extremity of the eye lies parallel of and in the horizontal plane of the strand wire 5 and affords a bearing against the strand wire when the eye is bent over the strand wire for securing the fastener as well as the strand wire against the post, as should be understood.

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To apply the eye 6 over the strand wire, a nail 7, see dotted lines in Fig. 2, or an equivalent article, is inserted through the eye 6 and with a sweep of the nail about the strand wire, the eye is caused to be bent over the strand wire frictionally gripping the same between the body of the fastener and against the face of the post. Such action deforms the eye slightly, or causes it to be spread, but its extremity, as shown, will be caused to lie closely adjacent the strand wire leaving no jagged or projecting end.

While I have described the fastener as being applied to the under side of the strand wire, it is obvious that it could be applied to the upper side thereof.

What I claim is:—

1. A fence wire fastener composed of a wire member shaped to embrace a fence post, one end of the wire member being bent to lie over and parallel to the adjacent part of the wire member to form a substantially J-shaped hook having its extremity free and spaced from said adjacent part of the wire member, whereby to enable the hook to be engaged over the fence wire, the opposite end of the wire member being bent outwardly to form an eye of substantially circular form to receive a bending instrument, the eye having a free extremity which extends inwardly

of the eye, said eye being bodily bendable about the wire member whereby to enable same to be engaged over the fence wire and with its free extremity disposed opposite and in juxtaposition to the fence wire and between the inner side of the eye and the adjacent part of said opposite end of the wire member, whereby said inner side of the eye, said adjacent part of the wire member and the fence wire protect the said free extremity of the eye.

2. A fence wire fastener composed of a wire member shaped to embrace a fence post, one end of the wire member being bent to form a hook to receive the fence wire, the opposite end of the wire member being bent outwardly and inwardly to form an eye to receive a bending instrument, the eye having a free extremity which extends inwardly of the eye, said eye being bodily bendable about the wire member whereby to enable same to be engaged over the fence wire and with its free extremity disposed opposite and in juxtaposition to the fence wire and between the inner side of the eye and the adjacent part of said opposite end of the wire member, whereby said inner side of the eye, said adjacent part of the wire member and the fence wire protect the said free extremity of the eye.

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