

W. F. M. SMAIL.
WIRE FENCE FASTENER.
APPLICATION FILED JUNE 7, 1909.

973,576.

Patented Oct. 25, 1910.

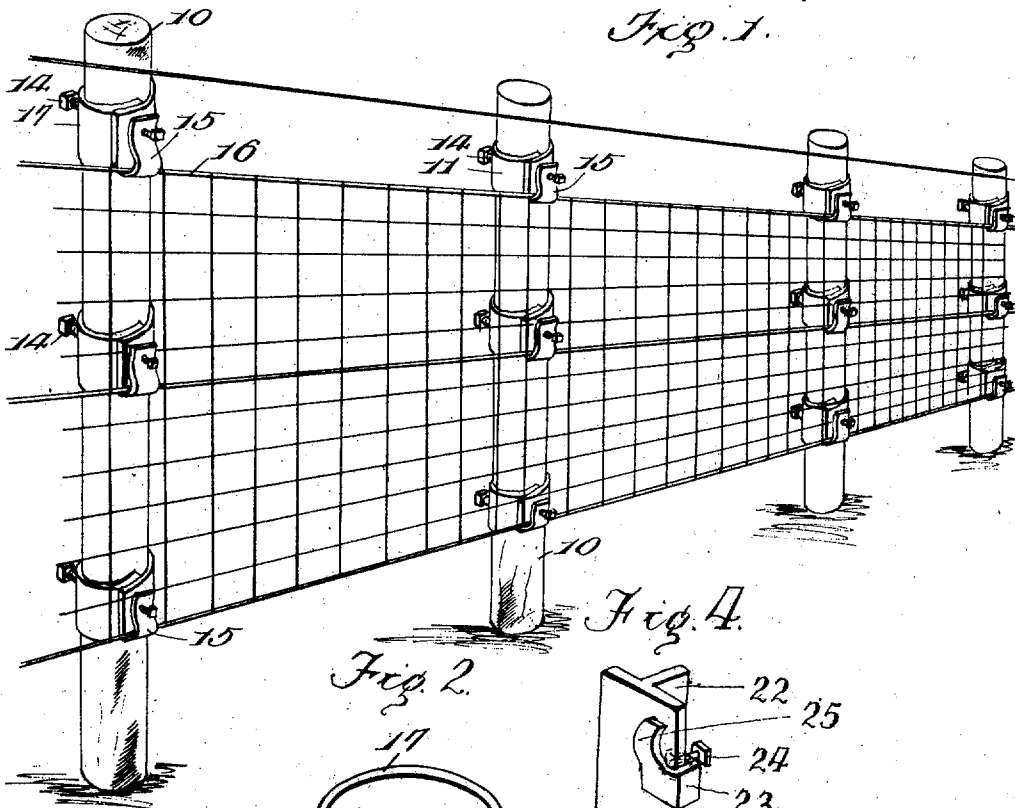


Fig. 2.

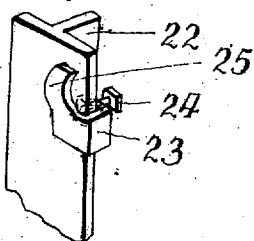
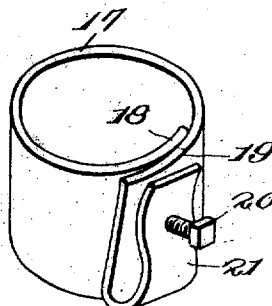
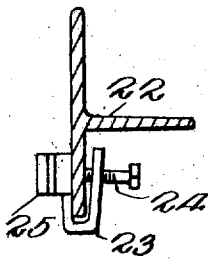


Fig. 3.



Inventor

W. F. M. Smail

By

W. F. M. Smail Attorney.

Witnesses

W. F. M. Smail
J. M. Hall

UNITED STATES PATENT OFFICE.

WILLIAM F. M. SMAIL, OF ROSEWOOD, OHIO.

WIRE-FENCE FASTENER.

973,576.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed June 7, 1909. Serial No. 500,530.

To all whom it may concern:

Be it known that I, WILLIAM F. M. SMAIL, citizen of the United States, residing at Rosewood, in the county of Champaign and State of Ohio, have invented certain new and useful Improvements in Wire-Fence Fasteners, of which the following is a specification.

This invention relates to fences and has particular reference to a device to be applied to the posts of the same for the purpose of supporting wire thereon.

The invention has for another object an improved fence wire fastening device for securing the fence wire to a post so that the fence wire is permitted to move longitudinally when contracted or expanded without exerting stress upon the post which would tend to displace the latter.

The invention has for a further object the provision of an improved means for securing the device to a post, which means is operable with posts of various diameters without the necessity of providing fasteners of different sizes to accommodate different posts.

The invention has for a still further object the provision of a fastener of this character which is of such formation that the same is adaptable to posts of various constructions and formations and which will securely retain the wire in position without the displacement of the fastener upon the exerting of a stress upon the wire.

For a full understanding of the invention reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a perspective view of a section of a wire fence having the improved fastener applied thereto. Fig. 2 is a detail perspective view of the improved fastener. Fig. 3 is a horizontal section through a modified form of the fastener applied to a T-post, and, Fig. 4 is a perspective view of the same.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference character.

Referring to the drawing the numeral 10 designates a post which is disclosed as being of circular form and to which the improved fastener is applied.

The improved fastener comprises a band 17 of metal which is curved to the contour of the post 10, to provide a socket therefor,

and which is overlapped at its ends as at 18 and 19, the overlapped portions engaging against the outer side of the post. The overlapped extremity 18 of the band 17 is provided with a threaded aperture immediately of the edges thereof, through which is engaged a set screw 20 extending inwardly through an enlarged aperture formed in the overlapping portion 19 and for engagement against the side of the post 10. At the lower edge of the band 17, and upon the overlapping end 19, a lip or hook 21, is positioned which is curved outwardly and upwardly for engagement with a fence wire 16 to retain the same upon the post 10. The upper extremity of the lip 21 is bent inwardly toward the band 17, and is flared outwardly at its upper extremity to form a cam face to direct the wire into the lower end of the hook. The lip 21 is apertured to loosely receive the outer end of the set screw 20, by means of which the wire 16 is held in position. In this form of the fastener, when it is desired to secure the device upon the post 10 the band 17 is engaged about the post and the set screw 14 is moved inwardly to engage against one side of the post and to bind the socket or holder 17 against the opposite side of the post 17. The set screw 20 also serves to retain the overlapping portions 18 and 19 in position and to close the upper end of the hook. It will also be noted that in this construction the set screw 20 is engaged through the aperture formed in the lip 21 and that the set screw serves as a pin about which the extremity of the wire 16 may be secured when the improved fastener is positioned at the end of the fence.

In Figs. 3 and 4, a T-post 22 is disclosed to which a slightly modified form of the fastener is attached. The modified form of the fastener comprises a band 23 which is bent into U-form to provide a hook, and which carries a set screw 24 in one arm thereof. The set screw 24 is disposed in threaded engagement through the arm and engages against the rear face of the post 22 to bind the outer or opposite arm of the band 23 against the outer face of the post. A lip or holder 25 extends upwardly and outwardly from the outer arm of the band 23 and is curved inwardly toward its upper end and flared outwardly at its extremity to provide a cam face or guide for directing wire into the holder.

Having thus described the invention what is claimed as new is:—

1. In combination with a fence post having a wire supported thereon, of a band engaged about said post and having its ends overlapped, a resilient lip formed at one side upon said band at the lower edge thereof and extended upwardly to engage said wire, and a set-screw engaged through said lip and the overlapped ends of said band for engagement against said post to retain the band in position.
2. A fence wire fastener including a strip

of metal bent into U-shape to loosely engage about a fence post and having a resilient lip upwardly extended from one end thereof to receive a strand of wire, and a set-screw carried in the opposite end of the strip for engagement with the post to bind the strip thereagainst.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM F. M. SMAIL. [L. s.]

Witnesses:

EPHRAIM BUROKER,
C. F. HOUSEMAN.