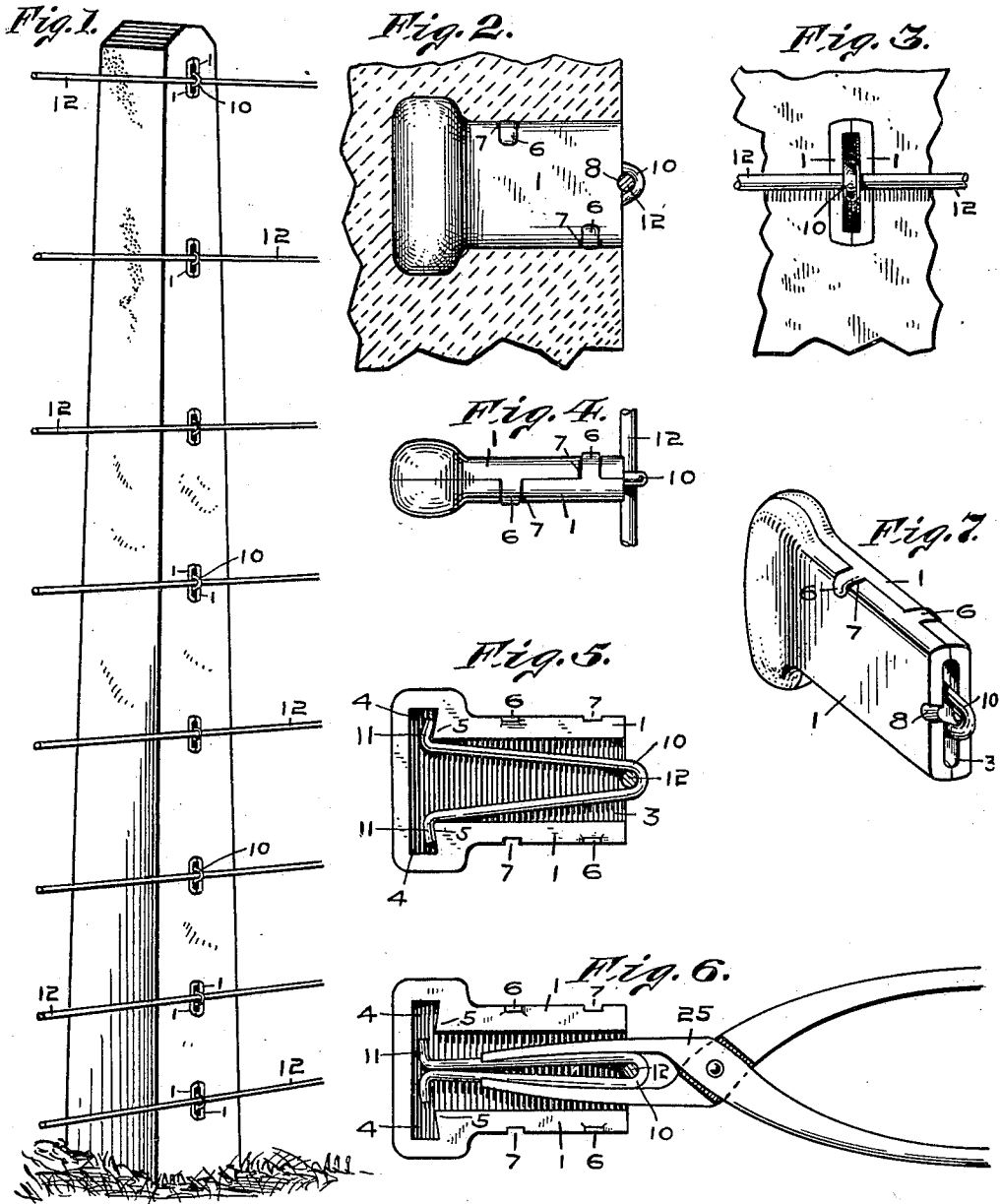


No. 830,848.

PATENTED SEPT. 11, 1906.

O. D. REEVES.  
DEVICE FOR SECURING FENCE WIRE TO POSTS.  
APPLICATION FILED JAN. 2, 1906.



WITNESSES:

INVENTOR

*F. C. Dyer,*  
*Wm. Hurte.*

*Orange D. Reeves,*  
*By McIntire & Koerner,*  
ATTORNEYS,

# UNITED STATES PATENT OFFICE.

ORANGE D. REEVES, OF INDIANAPOLIS, INDIANA.

## DEVICE FOR SECURING FENCE-WIRE TO POSTS.

No. 830,848.

Specification of Letters Patent.

Patented Sept. 11, 1906.

Application filed January 2, 1906. Serial No. 294,273.

*To all whom it may concern:*

Be it known that I, ORANGE D. REEVES, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Devices for Securing Fence-Wire to Posts, of which the following is a specification.

This invention relates to devices to receive and form locks for securing fence-wires to plastic fence-posts, and is an improvement on Letters Patent of the United States No. 793,957, issued to me on July 4, 1905; and the object of this invention is to provide a more efficient means for securing fence-wires to the posts without increasing the cost of production than shown and claimed in my former Letters Patent above referred to.

I accomplish the object of my invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a fence-post composed of cement and embodying my said invention. Fig. 2 is a side elevation of my wire-retaining device on a considerably enlarged scale, showing the same embedded in a fragmentary portion of a cement post. Fig. 3 is a front elevation of the construction shown in Fig. 2. Fig. 4 is a top or plan view of the device, the post being omitted. Fig. 5 illustrates one of the members that compose the device, showing the spring-wire-retaining means in operating position. Fig. 6 is a view similar to Fig. 5, except that in this figure the means is shown that is employed to compress the spring-wire-retaining means to permit its removal. Fig. 7 is a perspective view of the device.

In the drawings, 1 comprises the members that jointly form the body of the device which receives the wire-retaining means for securing the fence-wire. Each member 1 forms a half longitudinal portion of the body of the device, and each is provided with a longitudinal channel 3. These channels extend to and engage with recesses 4, that extend transversely of the channels 3 and are of a greater length than the width of said channels. The recesses 4 extend beyond the side edges of the channels 3, and thus the shoulders 5 are formed. The shoulders 5 receive the bent ends of the wire-retaining means, which will be hereinafter described.

When the members 1 are placed together, the channels 3 form a chamber therein, into

which the wire-retaining means is inserted. The device could be formed of a single piece of material by "coring" the same to form the chamber; but this would add expense to the manufacture, and as I have provided a means for rigidly securing the two members together I prefer to manufacture them as shown. I provide each member 1 with the integral ears 6, which register with and engage the recesses 7 in the adjacent member. As these members are preferably composed of malleable iron, the ears 6 may be readily bent to engage said recesses, and the ears are of sufficient length to permit them to be bent down upon the exterior surface of the adjacent member, thus making them rigid and non-separable.

The device is provided at its front and central edges with a transverse groove 8, that forms a seat for the fence-wire 12. The wire-retaining device comprises a spring-wire 10, bent into the shape, as shown, and having its free ends bent in opposite direction to form the hooks 11. The fence-wire 12 is placed into the groove 8 when the spring-wire retainer 10 is passed over said wire 12, and the free ends thereof are inserted into the chamber formed within the members 1. The free ends of the wire-retainer 10 necessarily must be compressed before said ends can be inserted into said chamber. To expeditiously perform this operation, I provide the pliers 25, (see Fig. 6,) provided with jaws having a breadth to correspond with the width of said chamber. When the wire-retainer is compressed, as shown in Fig. 6, it may readily be inserted or removed from the chamber, thus securing or freeing the fence-wire 12. When the wire-retainer has been fully inserted into the chamber, it is permitted to expand, so that the right-angle hooks 11 on the free ends of the retainer 10 engage the shoulders 5. It will also be noted that when the wire-retainer 10 stands in its expanded or operating position, as shown in Fig. 5, its withdrawal, together with the displacement of the fence-wire 12, is prevented.

Having thus fully described my said invention, what I desire to secure by Letters Patent of the United States is—

1. A wire-fastener having a longitudinal channel rectangular in cross-section, terminating with recesses in the direction of the greatest transverse dimensions of said channel, in combination with a U-shaped wire-re-

tainer making a sliding fit in said channel, said retainer terminating with hooks to enter said recesses.

2. A wire-fastener having a longitudinal channel rectangular in cross-section, terminating with recesses in the direction of the greatest transverse dimensions of said channel, said fastener being in two longitudinally-divided mated members, in combination with  
5 a U-shaped wire-retainer making a sliding fit in said channel, said retainer terminating with hooks to enter said recesses.  
10

3. A wire-fastener having a longitudinal channel rectangular in cross-section, terminating with recesses in the direction of the  
15 greatest transverse dimensions of said chan-

nel, said fastener being in two longitudinally-divided mated members, said members having integral ears adapted to be bent into registering recesses in the opposite member, in  
20 combination with a U-shaped wire-retainer making a sliding fit in said channel, said retainer terminating with hooks to enter said recesses.

In witness whereof I have hereunto set my  
25 hand and seal, at Indianapolis, Indiana, this 26th day of December, A. D. 1905.

ORANGE D. REEVES. [L. s.]

Witnesses:

F. W. WOERNER,  
J. A. MINTURN.