

(No Model.)

O. SWIFT.
WIRE FASTENER.

No. 543,758.

Patented July 30, 1895.

Fig. 1

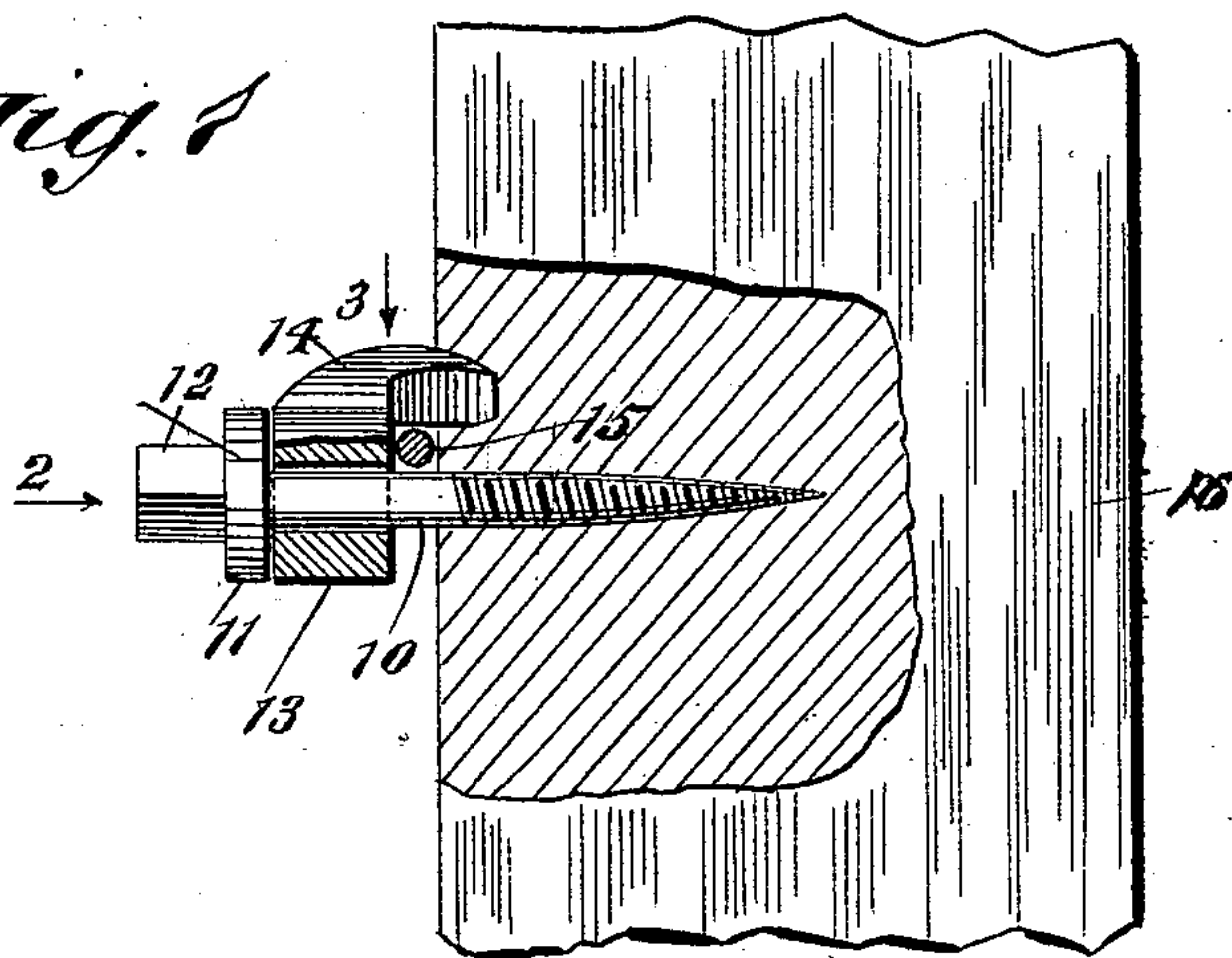


Fig. 2.

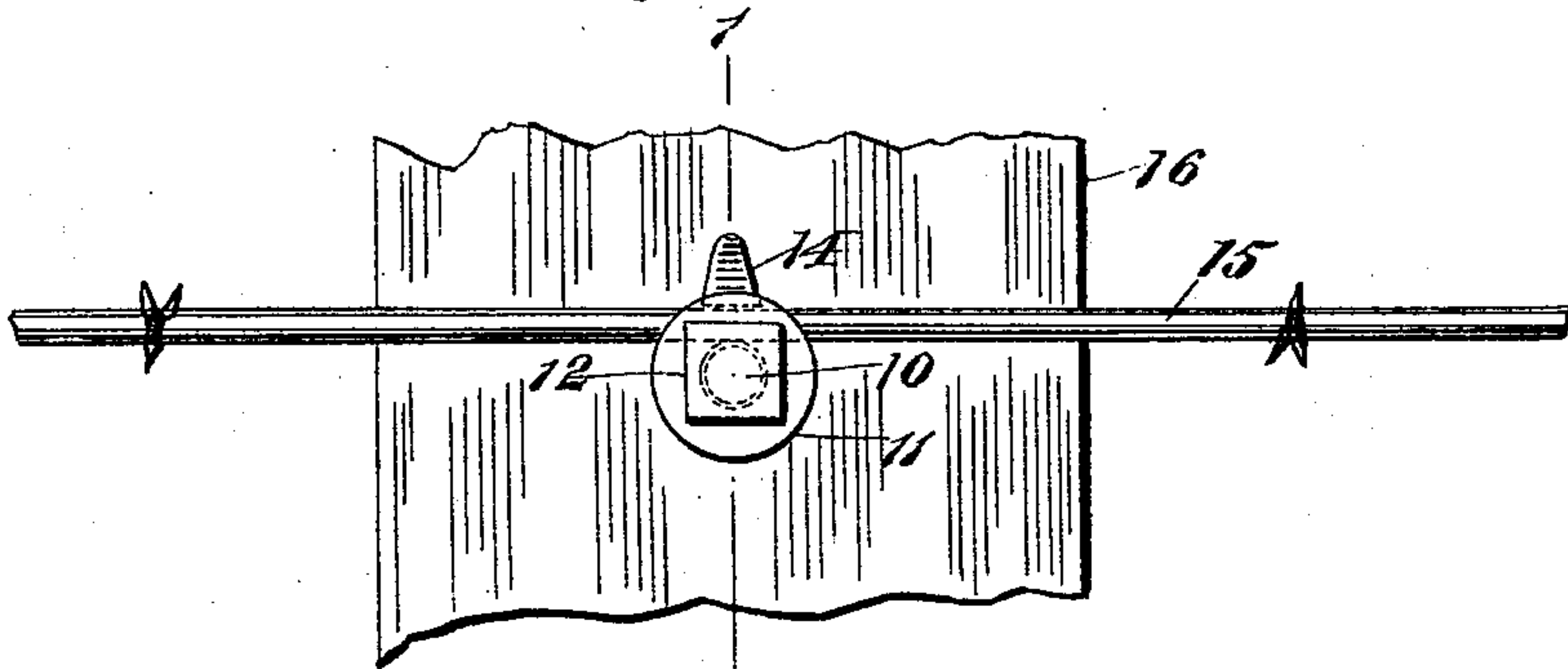


Fig. 3.

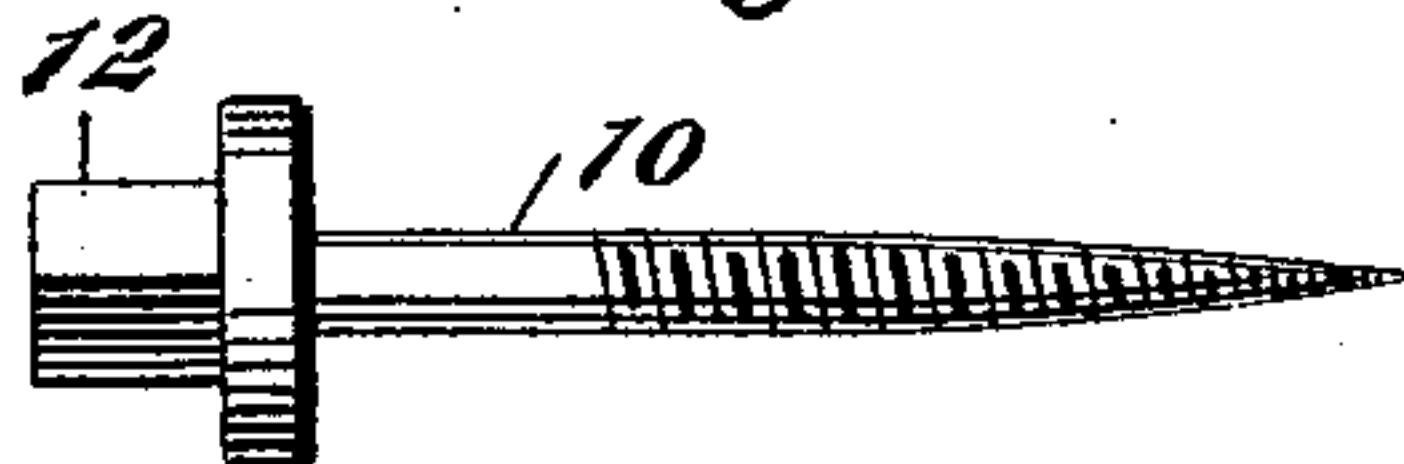


Fig. 4



WITNESSES:

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UNITED STATES PATENT OFFICE.

OLIVER SWIFT, OF ABERDEEN, SOUTH DAKOTA, ASSIGNOR TO HIMSELF
AND MORGAN W. SIMMONS, OF SAME PLACE.

WIRE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 543,758, dated July 30, 1895.

Application filed July 20, 1894. Serial No. 518,118. (No model.)

To all whom it may concern:

Be it known that I, OLIVER SWIFT, of Aberdeen, in the county of Brown and State of South Dakota, have invented a new and useful Fence-Wire Clamp, of which the following is a full, clear, and exact description.

My invention relates to an improved device for securing the strands of wire fences to erected posts.

Ordinarily looped staples are employed to secure fence-wires in position on the upright posts, these being driven into the posts until they bind on the wire strands.

In the stringing of barbed or other wires to place them on fence-posts, it is frequently necessary to shift a wire on a post either up or down to give it a correct position with regard to the trend of the ground above which the fence-wire is stretched.

After an ordinary fence-wire staple has been driven into a post it is inconvenient to remove and is destroyed by the act of drawing it from the post.

It is desirable in the erection of wire fences that facility be afforded to temporarily retain a fence-wire stretched until a considerable length of wire has been erected, and then loosen the wire so as to stretch the entire line from one end, finishing the operation by securing the wire at every post.

The objects of my invention are to provide a novel, simple, and inexpensive device for securing fence-wires to erected posts, which will be convenient to insert, be adapted for a speedy partial or complete withdrawal from the fence-posts, which will securely clamp fence-wires in place when adjusted to effect this object, and that will not be injured by repeated removals from the fence-posts.

To these ends, my invention consists in the provision of a screw-cut insertible body, and a swivel-clamping piece that engages said body, said parts being constructed and combined, as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views shown.

Figure 1 is a partly-sectional side view of an intermediate portion of a fence-post, a fence-wire in section, and a partly-sectional side view

of the improved fence-wire-securing device adjusted to clamp the wire, the section being on the line 1 1 in Fig. 2. Fig. 2 is a side view of the details shown in Fig. 1, in the direction of the arrow 2 in said figure. Fig. 3 is a detached side view of the main portion of the clamp; and Fig. 4 is a side view in the direction of the arrow 3 in Fig. 1, of the swivel clamping-piece that is a part of the improvement.

The improvement consists of two parts, the main portion having a cylindric body 10 that is tapered toward one end and coarsely threaded to adapt it for a screwed insertion in a fence-post, as represented in Fig. 1. The opposite end of the screw-cut stem 10 is circumferentially enlarged to produce an integral collar or flange 11, from which axially projects the head 12, that is preferably made rectangular in cross-section, it having a sufficient length to permit the application of a socket-wrench or other lever appliance that will have an assured engagement with the head for the rotation of the stem.

The remaining part of the improved clamping device is preferably shaped as indicated in the drawings, comprising a metal clamping-block 13, having a cylindric body which is longitudinally perforated to allow it to be slid on the cylindrical portion of the screw-cut stem 10 and have a level bearing on the base flange 11 of the head 12.

From the side of the clamping-block 13 an integral wedge-shaped keeper-toe 14 is projected, substantially in parallel with the axis of the perforation in the portion it projects from, so that a fence-wire strand 15 may lie between the toe and stem 10 when the clamping-block is in place on the stem.

To apply the improvement for the erection of a fence, a suitable number of posts 16 are erected in a line where the fence is to be located, and the wires 15 are secured to the sides of said posts, as shown in Fig. 1, the improved clamping device being utilized for this purpose.

It will be seen that the improved wire-securing device may be quickly applied at a proper point on a fence-post by first tapping the head of the stem 10 with any suitable implement to enter its sharp point and give the

thread a hold in the post, the use of a wrench-
lever on the head of the stem, so as to rotate
the latter in a proper direction, causing the
screw-stem to penetrate the post and bind the
5 clamping-block 13 on the wire 15, the keeper-
toe 14 being forced into the post-body at the
same time, so as to lock the wire between it
and the stem 10, as plainly shown in Fig. 1.

The manner of connecting the block 13 with
10 the stem 10 allows the block to swivel or be
held from rotation while the stem is being
screwed into the post, and so permit the block
and keeper-toe on it to be pressed toward the
wire as the stem 10 is inserted, a reverse ro-
15 tary movement of the stem serving to release
the keeper-toe and wire from the post when
this is desired.

Having thus described my invention, I
claim as new and desire to secure by Letters
Patent—

In a fence wire clamp, the combination of
a stem provided with a headed end, and a
clamping block having a perforation through
which said stem is adapted to pass, said block
being also provided at one side with a toe 25
which projects below its under side and is
adapted to enter the post, said toe being sep-
arated from the perforation through which
the stem passes by a space adapted to receive
the fence wire, substantially as set forth.

OLIVER SWIFT.

Witnesses:

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M. W. SIMONDS.