(No Model.) 2 Sheets—Sheet 1.

D. F. REINHEIMER.

FENCE WIRE TENSION DEVICE.

No. 348,294. Patented Aug. 31, 1886.

Fig. 1.

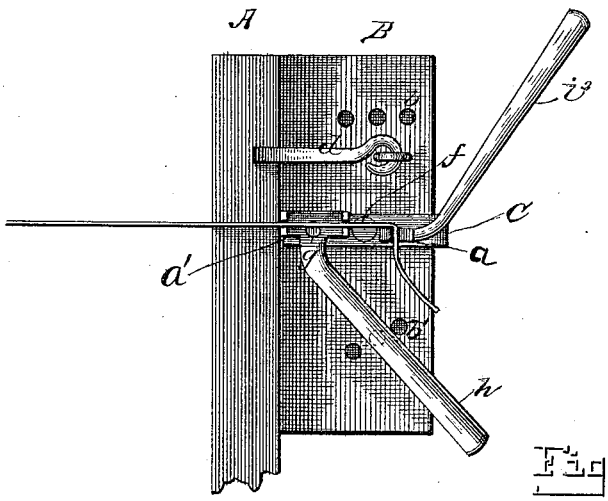


Fig. 2.

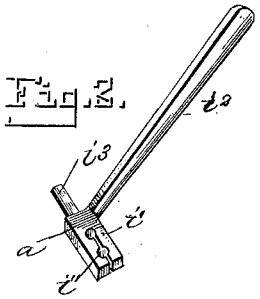


Fig. 3.

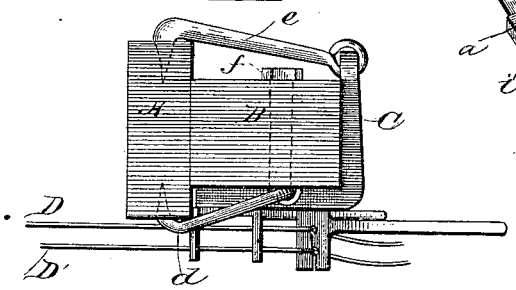


Fig. 4.

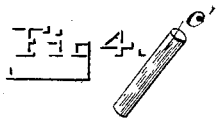
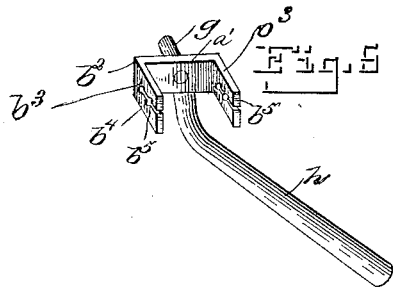


Fig. 5.



Witnesses
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Chas H. Tennald

David F. Reinheimer Inventor
By his Attorney H. J. England.

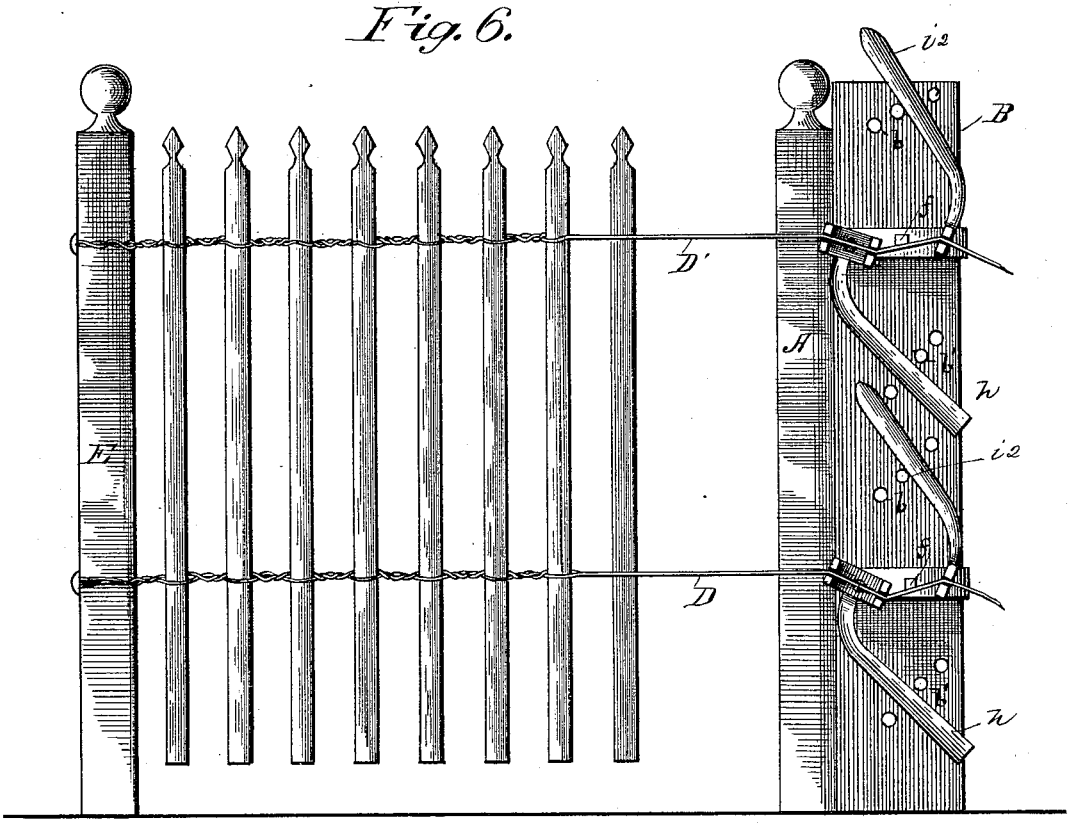
(No Model.) 2 Sheets—Sheet 2.

D. F. REINHEIMER.

FENCE WIRE TENSION DEVICE.

No. 348,294. Patented Aug. 31, 1886.

Fig. 6.



Witnesses
Harry S. Rolfe
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Inventor

By his Attorney H. J. England.

UNITED STATES PATENT OFFICE.

DAVID F. REINHEIMER, OF NEW PARIS, OHIO.

FENCE-WIRE TENSION DEVICE.

SPECIFICATION forming part of Letters Patent No. 348,294, dated August 31, 1886.

Application filed April 16, 1886. Serial No. 199,086. (No model.)

To all whom it may concern:

Be it known that I, DAVID F. REINHEIMER, a citizen of the United States, residing at New Paris, in the county of Preble and State of Ohio, have invented certain new and useful Improvements in Fence-Wire Tension Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to fence-wire tension devices for holding wire during the process of constructing fences wherein pickets are inserted between the wires, and for allowing the wires to yield as they are twisted about the pickets, the object of my invention being to lessen the cost of making fences composed of pickets and wire.

I attain these objects by means of the peculiar construction and arrangement of the various parts of my invention, which will be more fully pointed out and described in the specification and claims, reference being had to the drawings accompanying this application, and forming part of the same, in which—

Figure 1 is an elevation of my invention, showing device as used with wire. Fig. 2 is a plan view of same. Fig. 3 is a perspective view of the grip-piece, with its handle. Fig. 4 is a detail view showing the stop-pin, and Fig. 5 is a perspective view of a double grip-piece; and Fig. 6 is a front elevation showing posts, pickets, wire, and tension device attached.

Similar letters refer to similar parts throughout the drawings.

Referring to the drawings, A represents a post which is firmly set in the ground, which may be one of a series desired to form a fence of any length.

B represents a block or frame, upon which the tension grip-pieces *a* and *a'* are held by a metal frame, C. Block B is formed of any desirable shape, preferably with a flat front surface and an inner straight edge, said block being constructed of wood or any other suitable material. Block B is also formed with a series of perforations, *b b'*, adapted to receive and hold one or more pins, *c*, as shown in Fig. 1. A clamping-dog, *d*, is hinged or loosely connected to block B, and is formed with a wedge-shaped curved outer end adapted to engage with post A, the purpose of which is to aid in clamping block B to post A. An angular frame, C, is formed of metal, and has a clamping-dog, *e*, hinged loosely to its rear free end, this dog being formed similar to dog *d* and adapted to engage with the rear of post A. Said frame C is formed to fit on block B, and is perforated to receive screw-bolt *f*, by means of which said frame is held to block B.

To the front face of frame C, near its inner end, grip-piece *a'* is loosely secured by means of a pivot-pin, *g*, which may be formed integral with said piece or separate. Grip-piece *a'* is formed with an angular base, b^2, having outwardly-projecting arms b^3, said arms having slots b^4 cut inward from their outer ends, and provided with circular enlargements b^5, adapted to receive and hold wires used in forming fences.

A curved handle, *h*, is secured to the center of grip-piece *a'*, or may be cast or formed integral with the same, the purpose of which is to turn said grip-piece in any direction on its central pivot.

Tension-plate or grip-piece *a* is formed with a single slotted arm, *i'*, and handle i^2, secured to the base of said arm, said arm being provided with a pivot-pin, i^3, which is adapted to fit loosely in a perforation in frame C a short distance from grip-piece *a'*, as shown in Figs. 1 and 2.

The operation is as follows: Block B, holding the tension device, is secured to post A by the dogs or catches *d* and *e*. Wires D and D' are secured at one end to post E. Their opposite ends are passed through or into the slots or holes formed in grip-pieces *a* and *a'*. Handles *h* and i^2 are moved across block B, when the grip-pieces *a* and *a'* grip and hold the wires D and D' by bending them at an angle to their length to hold them from slipping while pickets are inserted vertically between the said wires. The wires are then twisted or overlapped between the pickets. As the wire is shortened or taken up in twisting, the grip-pieces release the wire to the desired tension, the overlapping and twisting being done by a wrench of my invention and construction. (Shown and described in another application, No. 199,085, filed April 16, 1886.)

Two or more of my tension devices may be used in constructing wire fences, according to the number of wires used.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A tension device for use in building fences, consisting of two or more slotted grip-pieces pivoted to a frame and adapted to receive one or more wires, said frame being secured to a block or bed-piece having perforations for stop-pins, said block being secured by clamping-dogs to a fence-post, substantially as set forth.

2. A tension device for use in making wire-and-picket fence, consisting of an angular frame secured by a screw-bolt to a movable block, said block being held by clamping-dogs to a fence-post, the front face of said angular frame having slotted clamping-jaws with handles pivoted thereon, substantially as shown and specified.

3. A tension wire-grip consisting of a body-piece having slotted projecting flanges, a handle projecting from said body-piece, and a pivot-pin projecting from the under face of said piece, in combination with and journaled in a metal frame secured to a block, and said block secured to a fence-post, substantially as and for the purpose set forth.

4. In a fence tension device, the body-block B, the frame C, secured to said body-block, and the tension grip-pieces *a* and *a'*, having handles *h* and i^2, pivoted to the front of frame C, in combination with the post A and clamping-dogs *d* and *e*, substantially as shown.

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

DAVID F. REINHEIMER.

Witnesses:
W. A. McWHINNEY,
B. W. SWEVER.