

(No Model.)

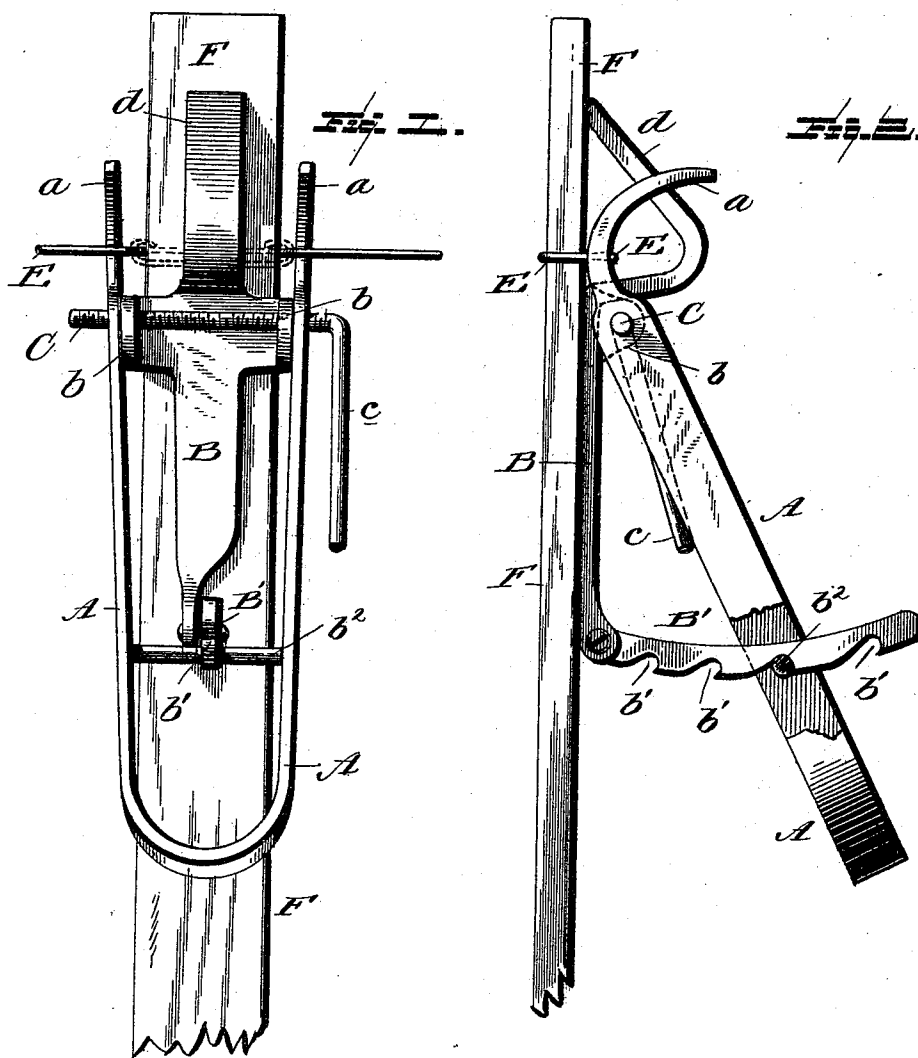
2 Sheets—Sheet 1.

D. A. BOYLE.

DEVICE FOR SECURING PICKETS TO WIRE.

No. 496,508.

Patented May 2, 1893.



Witnesses

L. C. Mills.

E. H. Bond.

Inventor

David A. Boyle.

per Cha. H. Fowler
Attorney

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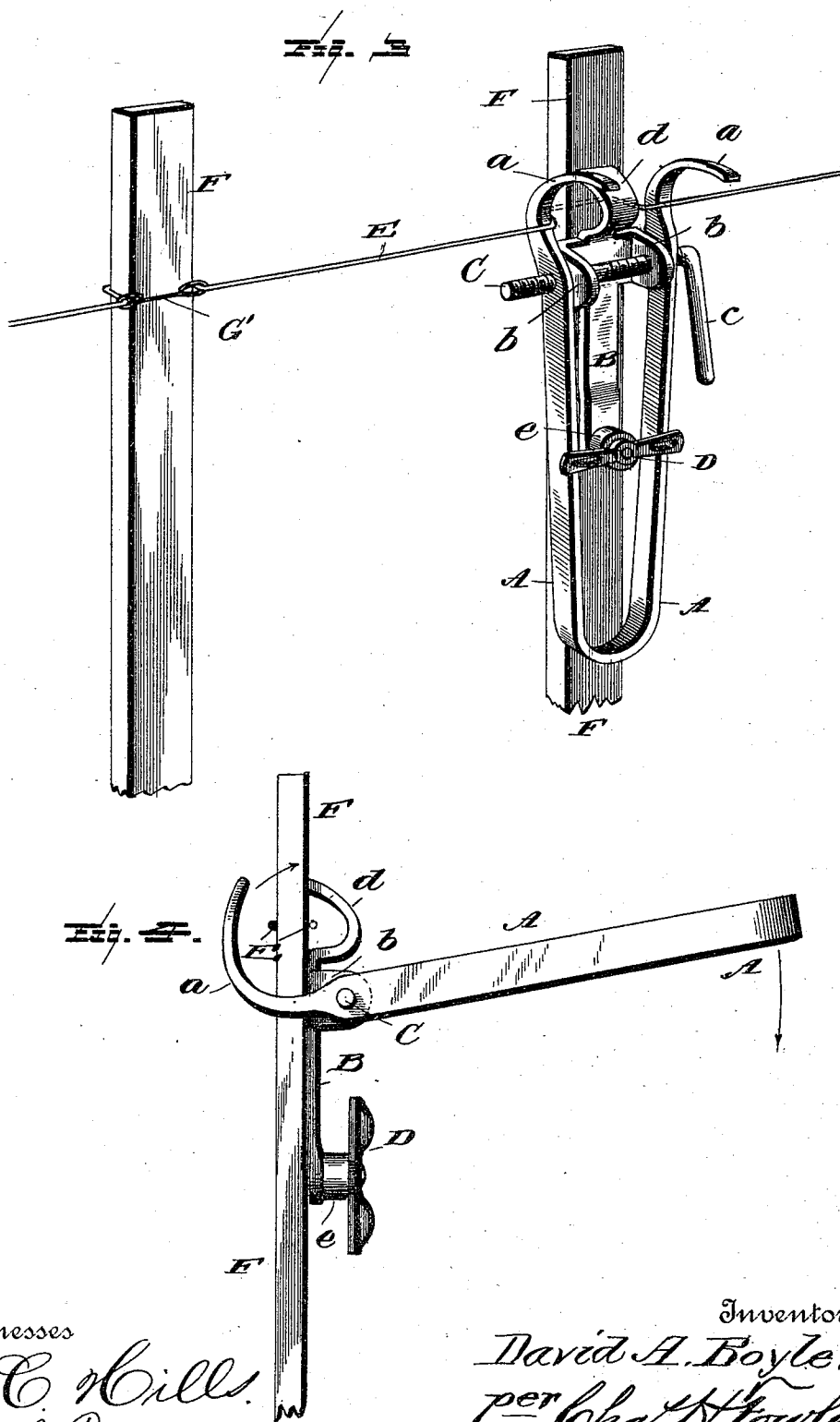
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UNITED STATES PATENT OFFICE.

DAVID A. BOYLE, OF HUTCHINSON, KANSAS.

DEVICE FOR SECURING PICKETS TO WIRE.

SPECIFICATION forming part of Letters Patent No. 496,508, dated May 2, 1893.

Application filed August 16, 1892. Serial No. 443,206. (No model.)

To all whom it may concern:

Be it known that I, DAVID A. BOYLE, a citizen of the United States, residing at Hutchinson, in the county of Reno and State of Kansas, have invented certain new and useful Improvements in Fence-Wire Tighteners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in devices for taking up the slack in wire and for securing pickets thereto. It is applicable for use either in taking up the slack in the wires of a wire and picket fence already built and securing additional pickets therein, or for building on the ground a new fence of wires and pickets. It has for its objects among others to provide a simple and cheap yet durable and efficient device for this purpose which can be readily applied to the wire at any desired place at any time and by which the slack can be easily and quickly taken up.

It has for a further object to provide for ready adjustment to fit it for use with pickets of different widths.

The device is compact, of few parts and these readily assembled and not liable to get out of order, and but little power is required to operate them.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which

Figure 1 is a face view of my improvement. Fig. 2 is a side elevation thereof. Fig. 3 is a perspective view of a slightly modified form, shown as in operation. Fig. 4 is a side elevation of the form shown in Fig. 3.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the frame of the device which is formed preferably of one piece of metal in the form of an elongated U with its ends formed into hooks *a*.

B is a plate or bar having ears or lugs *b* through which is passed a rod C which also passes through holes in the side bars of the frame A and upon this rod the bar or plate is free to move as on a pivot. The rod is provided with right and left threads as shown in Fig. 1, and is screw threaded into the arms of the plate and its end is turned at right angles to its length to form a handle *c* by which it may be rotated. Rotating the rod will throw the arms of the frame A farther apart or closer together as may be required to accommodate pickets of greater or less width.

The plate B is formed at its upper end with a hook *d* which extends from between the ears or lugs of the plate and in the opposite direction to the hooks of the frame and between them to bear against the picket to form a brace for the plate and the notched arm. Near its lower end the plate B is provided with a pivoted arm B' which is notched upon its under face as seen at *b'* to engage a cross bar or pin *b²* connecting the parallel portions of the frame A as seen in Figs. 1 and 2. Instead of this pivoted arm I may sometimes employ the pivoted arm or button D as seen in Figs. 3 and 4, which is rotatably mounted upon a boss or projection *e* to throw it out sufficiently to enable it to be engaged over the outer edges of the arms of the main frame as seen in Fig. 3.

The operation will be readily understood from the foregoing description when taken in connection with the annexed drawings.

In the action of the device the plate B forms a fulcrum piece, the part A being pivoted to it.

E designates the wire of the fence and F the pickets, the picket at the left of Fig. 3 is shown as already secured to the wire, the slack of which at that point has been taken up. At the right the device is shown as in the act of taking up the slack at that point. The device is applied by placing the picket against the wire as shown and then placing the hooks of the frame behind the wire and upon opposite sides of the picket with the lower end or bend of the frame outermost and the plate B against the picket with its hook bearing against the upper portion thereof. The frame is then brought down into a vertical position as seen in Fig. 3 and the notch of the arm B' engaged with the cross bar *b²*

as seen in Figs. 1 and 2 which will hold the parts in the position until a small wire G is wrapped around the picket and holds the slack thus taken up. After the picket is secured to the wire the pivoted arm is turned and disengaged from its pin or cross bar and the device removed to be used in another place.

The operation of the pivoted button D in Figs. 3 and 4 will be readily understood from said views.

What I claim as new is—

1. A device for the purpose described embodying a frame with hooked arms, and a plate pivotally mounted thereon and provided with an oppositely-extending hook, and an operating rod oppositely threaded into portions of said frame and plate at right angles to the length of the same, as set forth.
2. The combination with the U-shaped frame with hooked arms, of the plate pivoted

between the arms and having oppositely-extending hook, and the rod which forms the pivot of the plate oppositely screw-threaded into the arms and provided with a handle, as set forth.

3. The slack-take-up described consisting of the U-shaped frame with hooked arms, the plate with ears arranged between the hooked arms and having an oppositely-extending hook at its upper end, the rod passed through the ears and arms and oppositely screw-threaded into the arms and having a handle, and a pivoted button on the lower end of the plate, as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DAVID A. BOYLE.

Witnesses:

J. B. BROWN,

D. S. ALEXANDER.