

UNITED STATES PATENT OFFICE.

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COMBINED WIRE STRETCHER AND CLAMP.

No. 801,377.

Specification of Letters Patent.

Patented Oct. 10, 1905.

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To all whom it may concern:

Be it known that I, JOHN W. HARDESTY, a citizen of the United States, residing at Mount Eden, in the county of Shelby and State of Kentucky, have invented certain new and useful Improvements in a Combined Wire Stretcher and Clamp; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in wire-stretchers; and the object of the invention is to produce a simple and efficient means whereby a line-wire may be securely gripped and held and by means of a lever and chain connections with a post and with said clamping device the line-wire may be drawn taut and held while being fastened to a post.

The invention consists in various details of construction and in combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

Figure 1 is a side elevation showing my apparatus applied in readiness to stretch a wire. Fig. 2 is an enlarged perspective view of the clamping means. Fig. 3 is a sectional view on line 3 3 of Fig. 1, and Fig. 4 is a detail view of a part of the invention.

Reference now being had to the details of the drawings by letter, A designates a plate having an L-shaped flange A', (shown clearly in Fig. 3 of the drawings,) said flange adapted to support the line-wire B, and said plate has obliquely-disposed slots C, spaced apart and parallel to each other.

D designates a jaw having serrations D^x upon the under edge thereof which are adapted to cooperate with the bottom of the L-shaped flange of the plate A to securely grip and hold the line-wire in the manner shown in Figs. 1 and 3 of the drawings. Pins *d* pass through said jaw D and have play in the slots C, thus causing the clamping-jaw D to

move toward or away from the bottom of the flange A'.

E designates a plate (shown clearly in Fig. 3 of the drawings) which is mounted upon the pins *d*, being held thereon by the heads *d*² of said pins, and has a sliding contact with the face of the plate A. A link H is pivotally connected to one of said pins *d* at one end, and its other end is pivotally connected at K to the operating-lever K', which latter is pivotally mounted upon a pin N, carried by the plate A. A bail O is also pivotally mounted upon the pin N and has fastened thereto a chain R.

T designates a lever having notches T' formed in the shank portion thereof and is bent into a claw-hook T² at one end designed to engage the links of the chain R in the manner shown in Fig. 1 of the drawings. A second chain M is provided with a hook M', which is designed to engage any of the links of the chain R, while the other end of the chain M is provided with a clevis J, carrying a pin J', which is adapted to engage one or the other of the slots or notches T'. A chain I has a hook I' connected to a ring I⁴, carried by a clevis I², pivotally mounted upon a pin I³, passing through the lever T.

In applying my apparatus for use the line-wire B is securely clamped between the jaw D and the angled flange of the plate A, and the chain I, which is connected to the clevis I², is passed about a post G and the hook I' connected to the ring I⁴, which is fastened to the clevis I², and the claw-hook T² is made to engage one of the links of the chain R, and by the operator pushing or pulling upon the angled end of the lever T the line-wire may be drawn taut. In order to hold the purchase upon the taut wire, the hook M may be caught into one of the links of the chain R in the manner shown in Fig. 1 of the drawings, affording means whereby the operator may be free to fasten the line-wire while the latter is held by the apparatus in a taut relation.

While I have shown a particular form of apparatus illustrating my invention, it will be understood that I may vary the details of the same, if desired, without in any way departing from the spirit of the invention.

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

In combination with a plate, having an

angled flange, a plurality of obliquely-disposed slots in said plate, a gripping-jaw positioned over said angled flange and having serrations on the edge thereof, pins secured
5 to said jaw, one positioned in each of said slots, an apertured bar through which said pins pass, said bar being held upon the pins by the heads of the latter, a lever pivotally mounted upon said plate, a link pivotally
10 connecting one of said pins with said lever,

whereby said jaw may be made to coöperate with the flange of said plate to securely hold a wire, as set forth.

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

JOHN W. HARDESTY.

Witnesses:

O. H. SKILES,

O. W. McALLISTER.