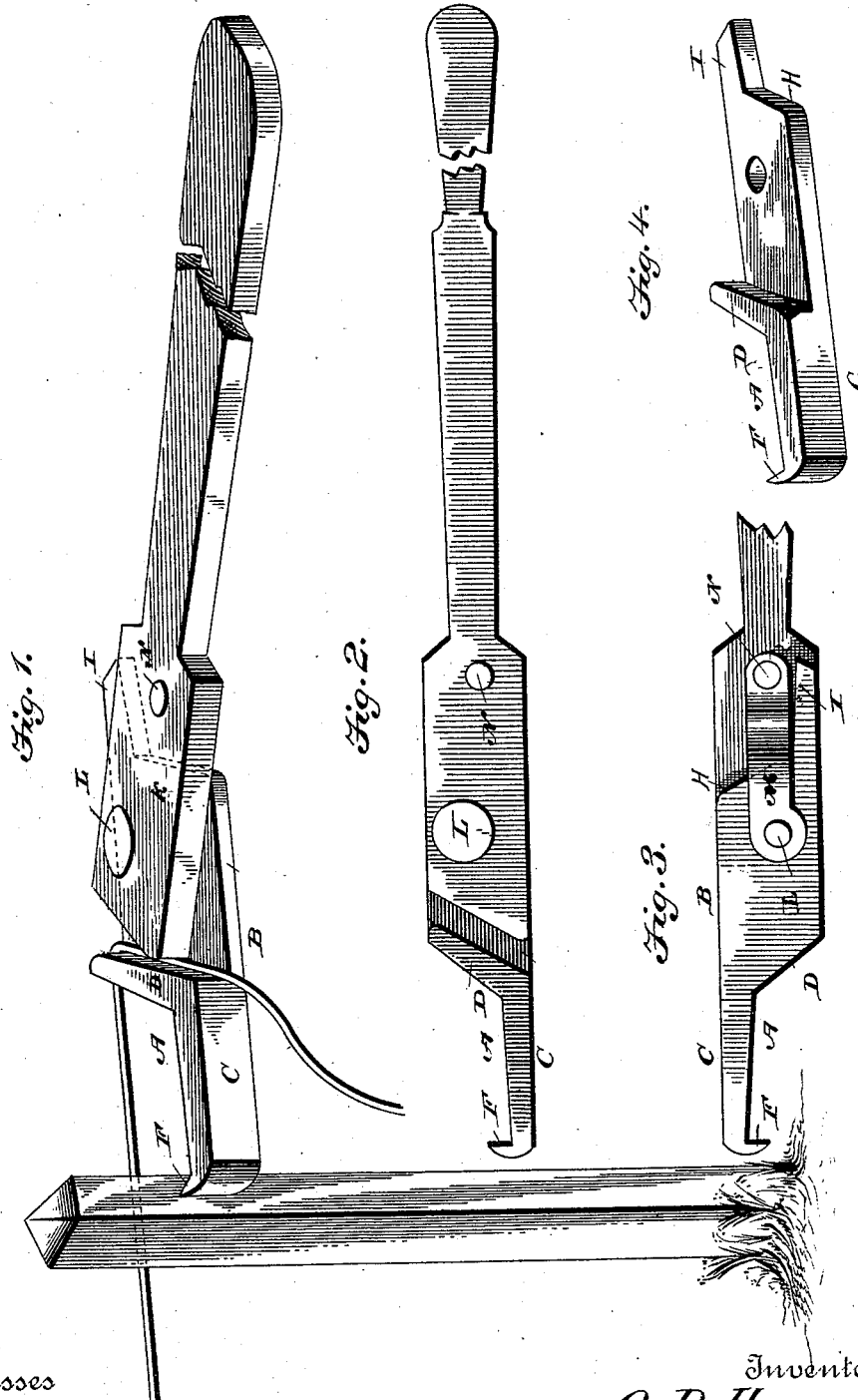


(No Model.)

O. D. HEARN.
WIRE STRETCHER.

No. 418,794.

Patented Jan. 7, 1890.



Witnesses

E. J. Schell
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UNITED STATES PATENT OFFICE.

ORIN D. HEARN, OF LEBANON, TENNESSEE.

WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 418,794, dated January 7, 1890.

Application filed September 19, 1889. Serial No. 324,407. (No model.)

To all whom it may concern:

Be it known that I, ORIN D. HEARN, a citizen of the United States, residing at Lebanon, in the county of Nelson and State of Tennessee, have invented certain new and useful Improvements in Wire-Stretchers; 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.

My invention relates to wire-stretchers, and the novelty will be fully understood from the following description and claims, when taken in connection with the annexed drawings, in which—

Figure 1 is a perspective view of my improved wire-stretcher applied to a fence-post, the wire being shown in place within the mouth of the stretcher, and the lever-handle being drawn upon to cause the wire to be clamped or held in the mouth or between the jaws of the stretcher. Fig. 2 is a top plan view of the stretcher, showing the shouldered dog and the operating lever or handle in alignment. Fig. 3 is a bottom plan view showing the dog, the operating-lever handle, and the curved connecting strap or brace; and Fig. 4 is a detail perspective view of the shouldered dog detached from the lever-handle.

Referring by letter to the said drawings, A designates the shouldered dog which comprises the body portion B, which is provided with an inclined shoulder or jaw D on the upper face or side at the inner end, and an integral forwardly-projecting arm C, having a claw or toe F at its end, which claw or toe F projects in the direction of the incline of the shoulder or jaw D. Near its other end the shouldered dog A is provided with an inclined edge H, which lies parallel with the incline of the shoulder or jaw D, and extends to the stop-arm I, projecting on the side or edge opposite to that from which the arm C projects. The dog A is pivoted to the

lower face of the inner end of the lever-handle and slightly to the right of the longitudinal middle line of the widened portion K of said lever-handle.

The same pivot-bolt L that connects the shouldered dog to the lever-handle serves also to fix in place the outer or front end of the curved metal stop-strap M, the inner or rear end of said stop-strap being secured to the widened portion of the lever-handle by a bolt or rivet N.

In operation the toe of the shouldered dog is placed against the fence-post or other object, and the wire to be stretched is placed in the recess between the shoulder of the dog and the inclined end of the handle-lever, and when said handle-lever is drawn upon its inner inclined end will close upon the wire and bite or clamp it firmly, so that by continuing to pull on the lever-handle the wire will be stretched or made taut to the extent that may be necessary or desired.

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

As an improved article of manufacture, the wire-stretcher described, consisting, essentially, of a dog having the inclined shoulder D, the integral arm C, projecting forwardly therefrom and provided with a toe F, the inclined edge H and rearwardly-extending stop arm I, the lever-handle pivoted to the dog in advance of its stop-arm and having its forward end inclined, as shown, and the curved metal stop-strap secured at one end by said pivot-bolt and its opposite end secured to the lever-arm by a bolt N, substantially as specified.

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

ORIN D. HEARN.

Witnesses:

R. P. McLain,
W. G. Paige.