

(No Model.)

W. C. HENSHAW.

WIRE STRETCHER.

No. 279,948.

Patented June 26, 1883.

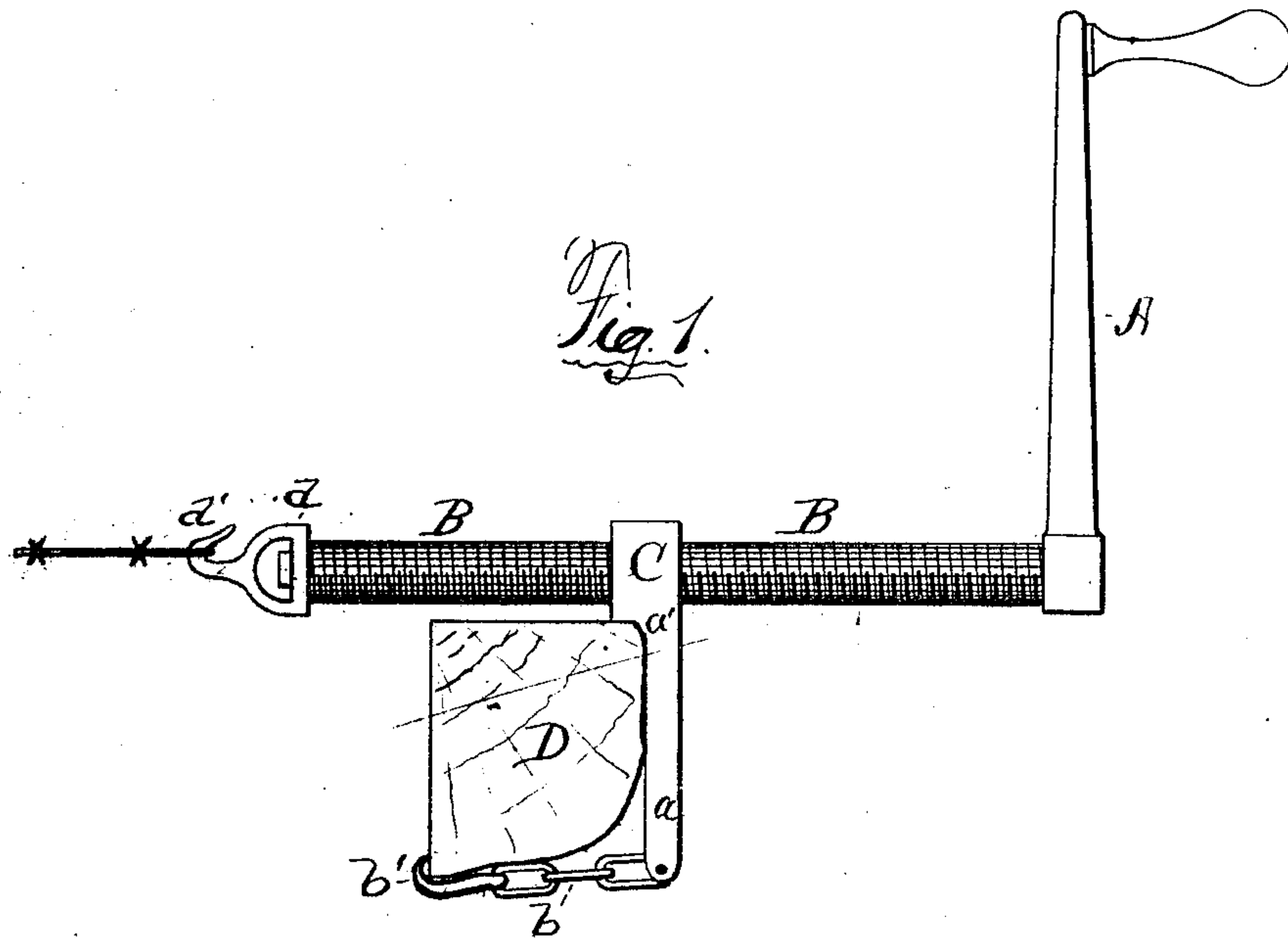
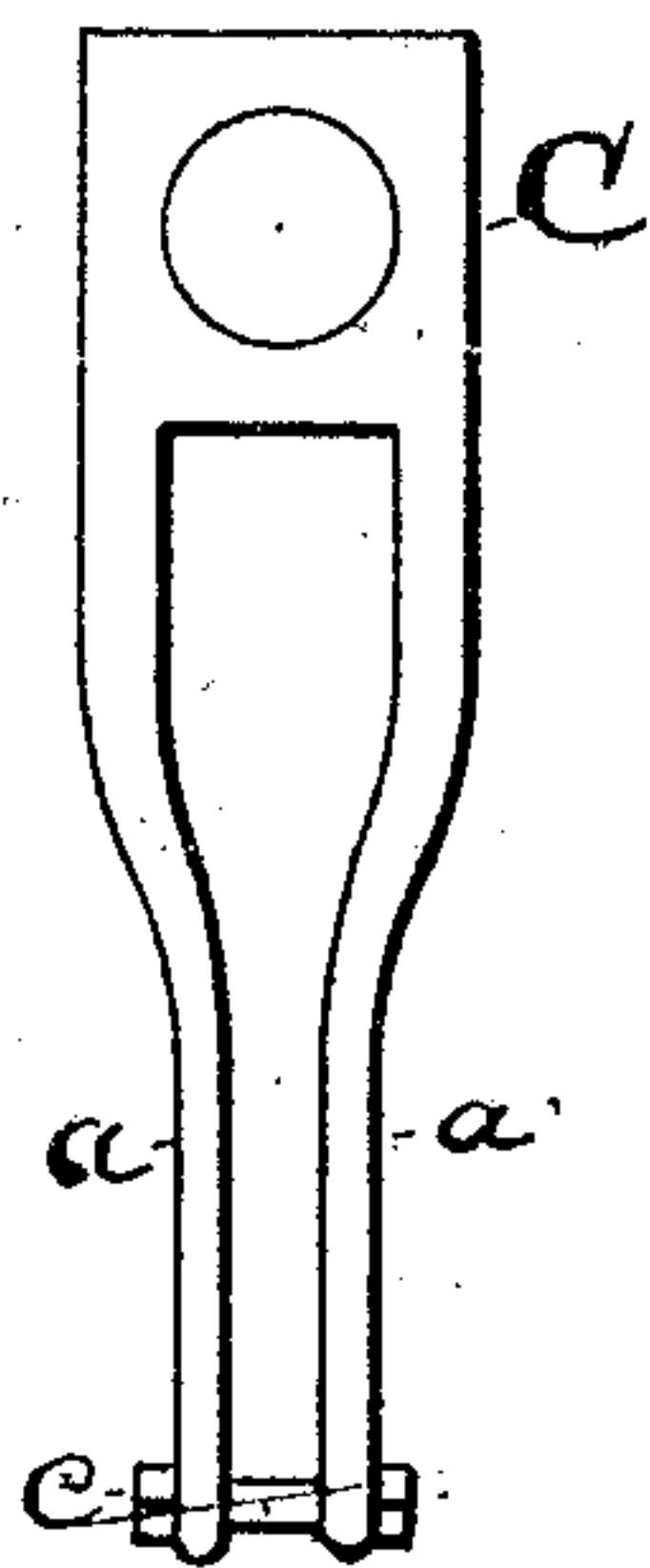


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIS C. HENSHAW, OF EAST HAMBURG, NEW YORK.

WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 279,948, dated June 26, 1883.

Application filed February 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIS C. HENSHAW, a citizen of the United States of America, residing at East Hamburg, in the county of Erie and State of New York, have invented certain new and useful Improvements in Wire-Stretchers, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This device is principally for stretching barbed fence-wire, to fasten it tautly to the post; and the invention consists in its simple construction and application, as fully herein-after explained.

15 In the drawings, Figure 1 is a top plan showing the device applied to a post; Fig. 2, an end view of the clamping device removed from the other parts.

A represents a common crank-handle fastened to the end of a long screw-rod or bar, B, this bar working through and in the head C of a clamping arm or arms, *a a*, which is of sufficient length to embrace or partly inclose one side of the post or pole D, as in Fig. 1.

25 At the ends of the arms *a* is fastened a short chain, *b*, terminating in a hook or grapple, *b'*, which catches into the post, as shown. The greater the strain the tighter it holds. This gives the whole clamping device. If the post

30 is small, the chain *b* is taken up one or more links by merely taking out and resetting the pin or bolt *c*. The clamp *C a* is made, usually, with a depression at *a'*, near the upper part, as in Fig. 1, to more securely hold or clamp

35 said post, though it is not indispensable. On

the end of screw-rod B is a swivel, *d*, terminating in a hook or gripe, *d'*, which holds the wire while being drawn taut by the turning of the crank-handle A. This gives a direct and straight draft on the wire, and when drawn to 40 the post is there secured by staples, &c., as is usual. This comprises the whole description of and working of my device. It does away with levers, ratchets, ropes, hinged grappling or clamping irons, &c., such as are now used. 45

I am acquainted with a patent which has a forked arm or lever, to attach to the post, and coiling a rope (attached to the wire) around an arbor provided with a handle and threads, and other appliances connected therewith; 50 such I do not claim.

I claim—

In a wire-stretcher, the combination of the wire-stretching screw-threaded rod B, having the crank-handle A at one end and the swivel 55 hook or gripe *d d* at the other, with the screw-threaded clamping-arm C, through which the rod B works, having a shoulder, *a'*, to fit over the corner of the post, and a rigid extension, *a*, provided at the outer end with the chain *b* 60 and hook *b'*, all substantially as and for the purpose specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 7th day of February, 1883.

WILLIS C. HENSHAW.

Witnesses:

J. R. DRAKE,
T. H. PARSONS.