

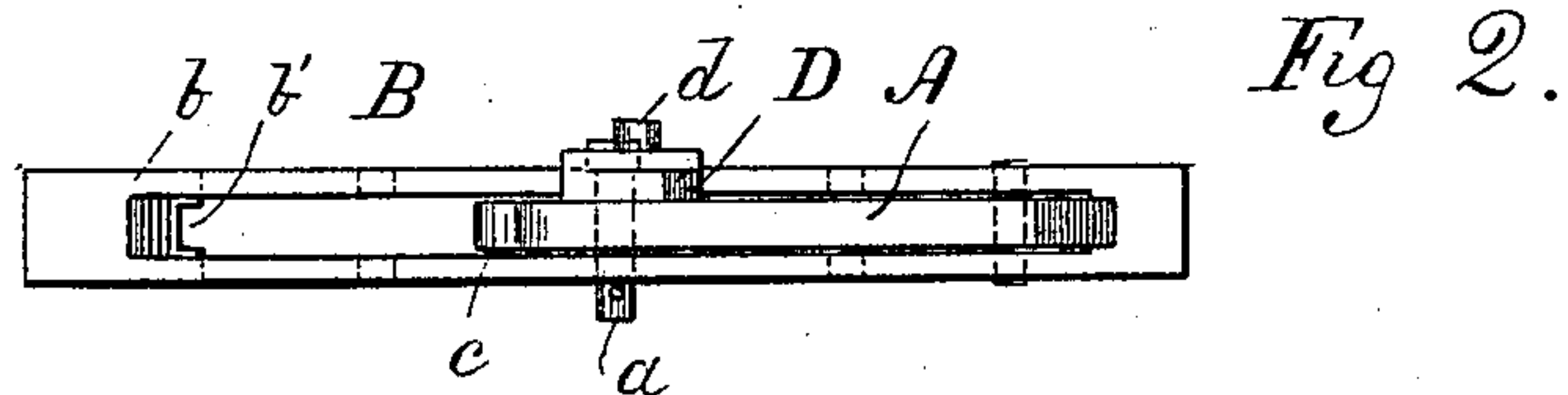
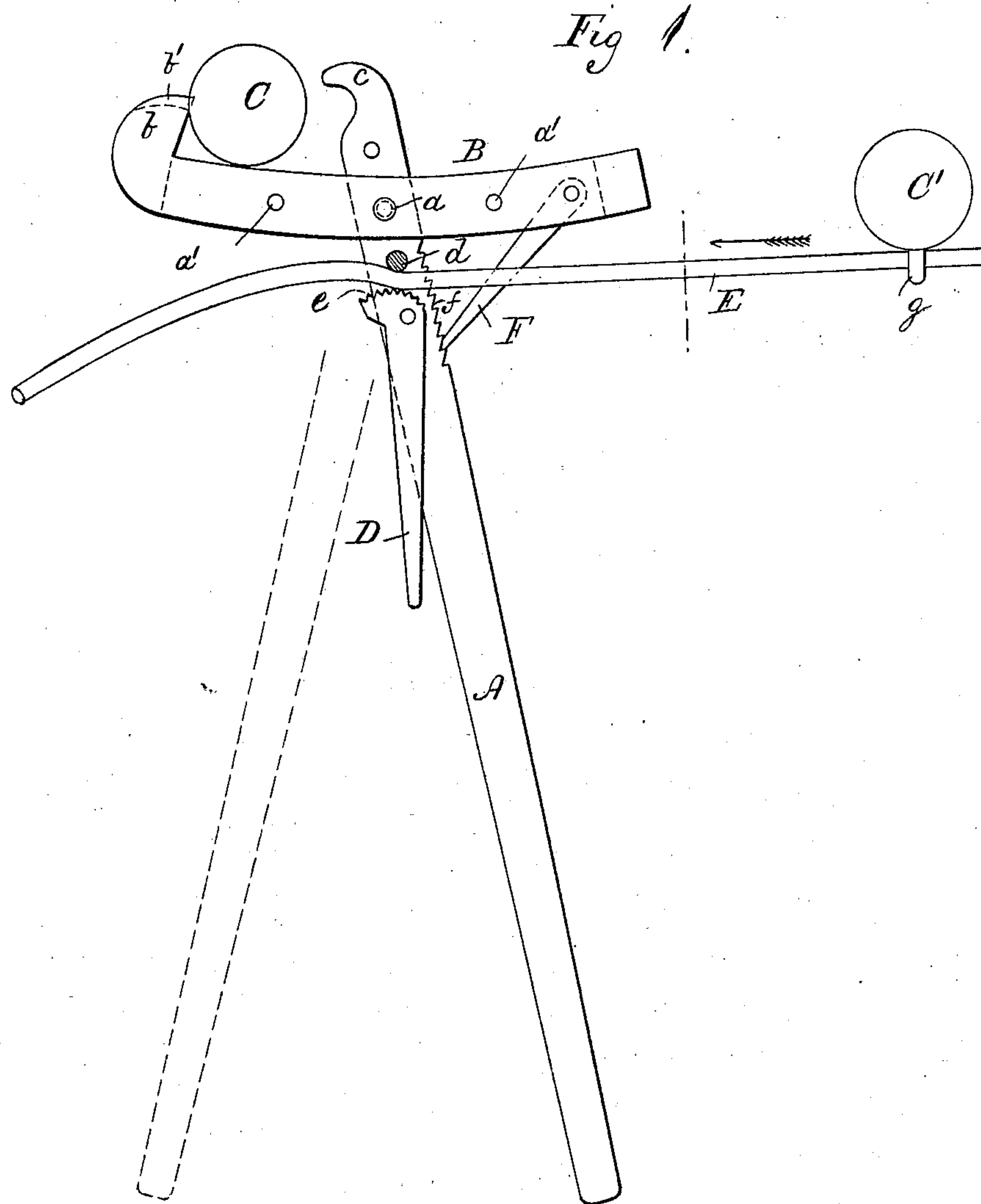
(No Model.)

E. MOORE.

COMBINED WIRE STRETCHER AND STAPLE PULLER.

No. 321,130.

Patented June 30, 1885.



WITNESSES:

Look
C. Sedgwick

INVENTOR:

E. Moore
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

ELA MOORE, OF WALLA WALLA, WASHINGTON TERRITORY.

COMBINED WIRE-STRETCHER AND STAPLE-PULLER.

SPECIFICATION forming part of Letters Patent No. 321,130, dated June 30, 1885.

Application filed August 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, ELA MOORE, of Walla Walla, in the county of Walla Walla and Territory of Washington, have invented a new and Improved Wire-Stretcher and Staple-Puller Combined, of which the following is a full, clear, and exact description.

The object of this invention is to provide a practical device for stretching the wires in building wire fences, and for pulling the staples out of old posts in rebuilding or repairing wire fences; and the invention consists of the construction, arrangement, and combination of parts, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a plan view of my invention as it appears when applied to a post and wire for stretching the wire, and Fig. 2 is an edge view of the device.

A is the main lever of the device. This lever is fulcrumed upon the pin *a* in the slotted fulcrum plate or head B, which is formed with the hook *b* at one end for engagement with the post C, or other stationary object. The main lever A is formed at one end with the curved point or hook *c* for extracting staples from posts, &c., and upon one side the lever A is provided with the stud *d* and pivoted cam-jaw D, which latter is adapted to grasp the wire E, to be stretched, between the said stud *d* and the toothed or serrated curved surface *e* of the said jaw D, as shown in Fig. 1. The rear edge of the lever A is notched, as shown at *f*, with which notches the pawl F, pivoted to the fulcrum-head B, is adapted to engage for holding the lever A forward in position for holding the wire taut while the staple *g* is being driven in the post C, to hold the wire after being stretched.

The fulcrum plate or head B, besides being

provided with the pawl F and formed with the hook *b*, is curved at its outer edge or made in the segment of a circle, as shown in Fig. 1, so that the pivot of the pawl F will stand farther from the wire E being stretched than the fulcrum-pin of the lever A, so that the pawl F will engage always fairly with the teeth *f* whether the lever be moved a short or considerable distance, and this curvature of the fulcrum-head B also facilitates the application of the device to stationary post C, as will be understood from Fig. 1.

The head B is provided with a series of holes, *a'*, for the pivot *a* to adapt the device for grasping posts of different sizes, and the hook *b* is notched, as shown at *b'*, to straddle a wire if found necessary in using the stretcher.

Constructed as described, the device is very effective and convenient for stretching wire, and by means of the hook *c* the main lever A may be used for drawing staples, making it unnecessary to carry a separate tool for that purpose.

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

1. In a device for stretching wire, the handle A, having teeth *f*, and clamping lever D, in combination with the fulcrum plate or head B, made on a curve, and provided at one end with the hook *b* and at the under side of the opposite end with the depending pawl F, substantially as set forth.

2. The device herein shown and described, consisting of the main lever A, formed with the hook *c* and teeth *f* and provided with the pin *d* and jaw D, in combination with the fulcrum-head B, curved, provided with the pawl F, and formed with the hook *b*, substantially as set forth.

ELA MOORE.

Witnesses:

E. B. WHITMAN,
G. W. CATON.