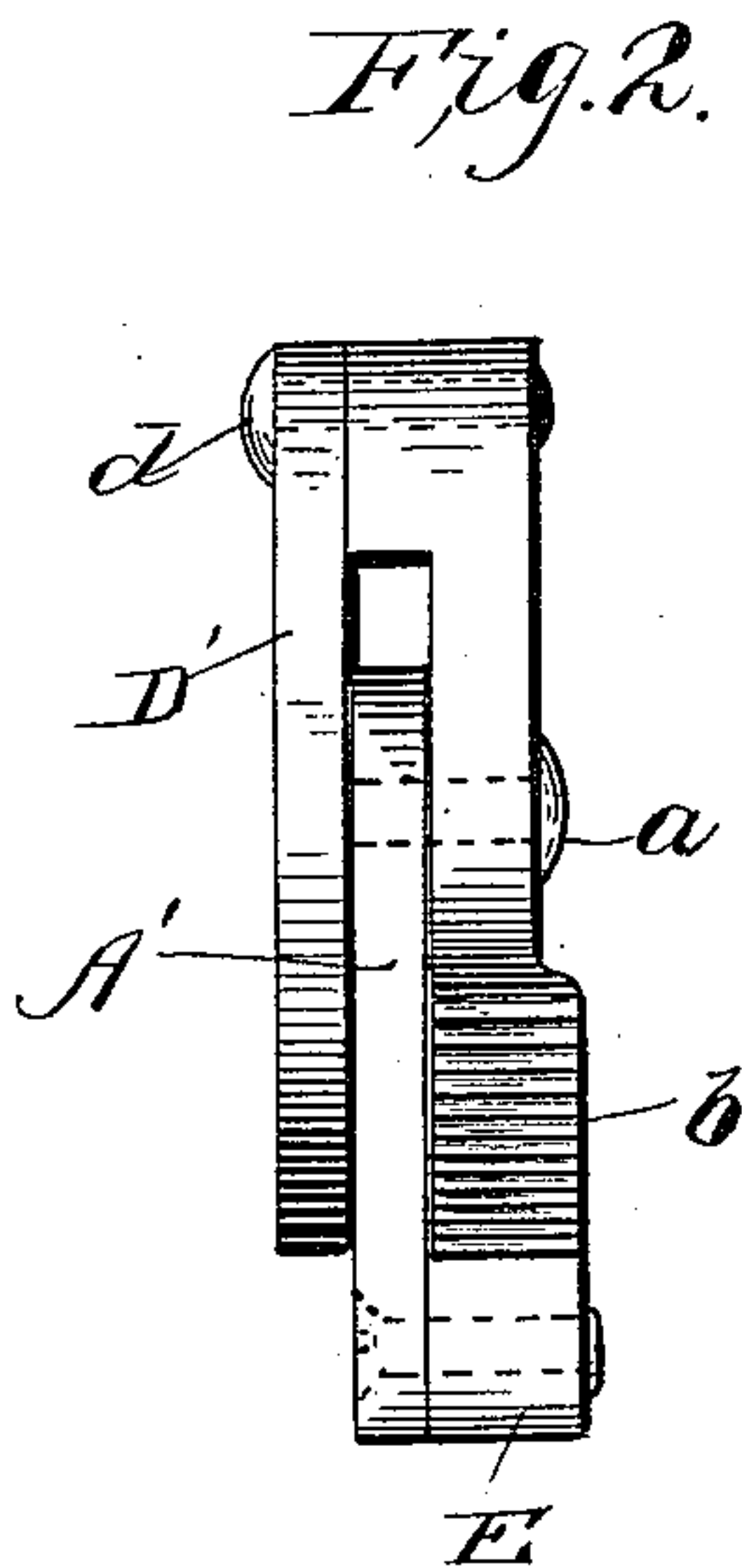
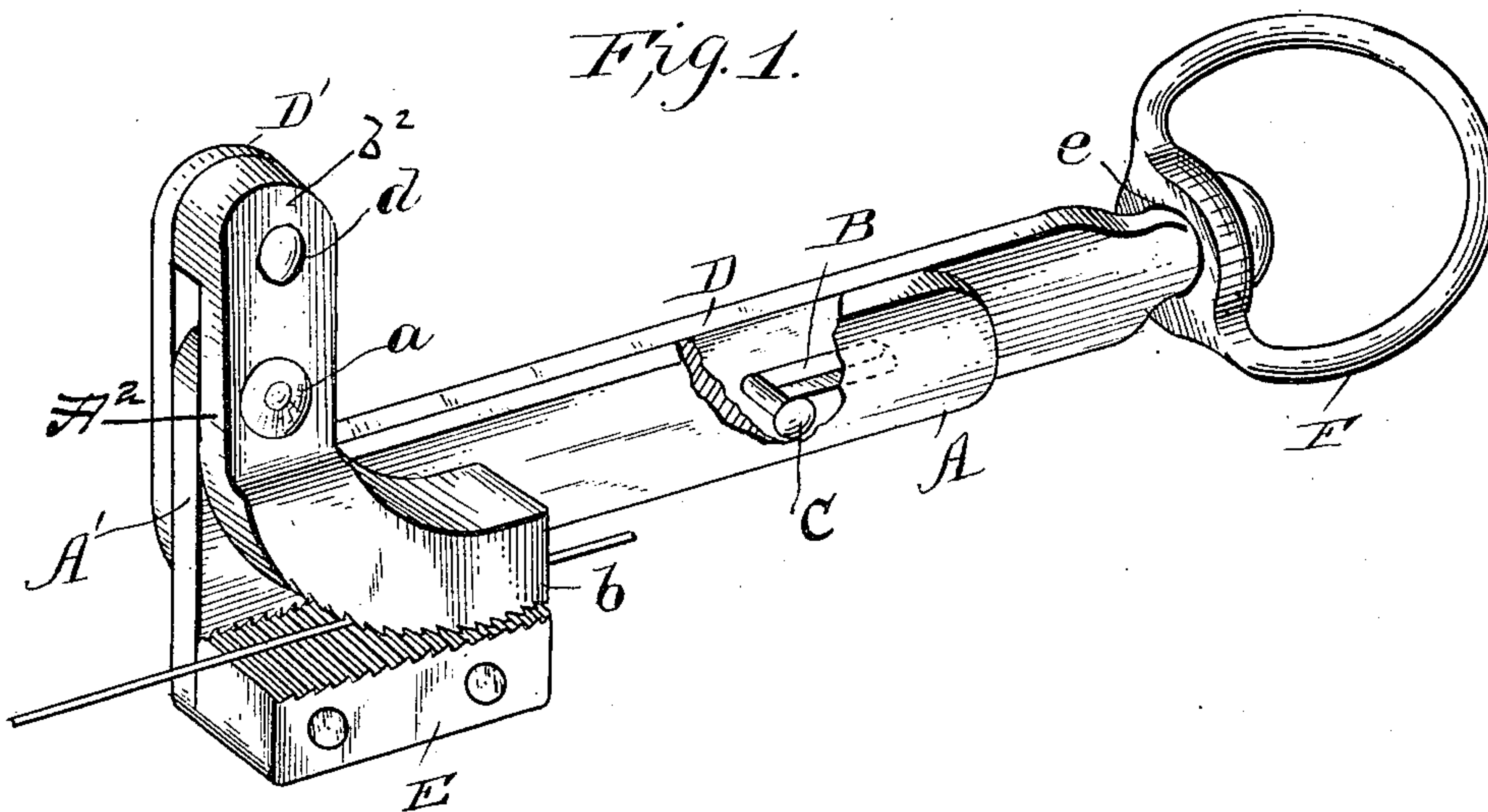


(No Model.)

C. F. STEINKAMP.
WIRE STRETCHER.

No. 479,901.

Patented Aug. 2, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES F. STEINKAMP, OF GOLCONDA, ILLINOIS.

WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 479,901, dated August 2, 1892.

Application filed October 29, 1891. Serial No. 410,209. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. STEINKAMP, a citizen of the United States of America, residing at Golconda, in the county of Pope and State of Illinois, 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 My improvement in wire-stretchers consists in the novel structure, combination, and arrangement of the parts whereby is produced a very efficient implement for stretching wires, substantially as hereinafter more fully de-
15 scribed, and shown in the accompanying drawings, in which—

Figure 1 is a view in perspective. Fig. 2 is a longitudinal side view, and Fig. 3 is an end view of the same.

20 In the drawings, A indicates the stock or shank, having at or near its end a right-angular projection A', designed to support an arm A², which is pivotally secured thereto by means of the pivotal pin *a*. This arm A² is
25 provided with an extension *b*² at one end and a curved locking-jaw *b* at the other, having a milled or roughened surface, adapted to co-operate with a similarly-milled surface of a horizontal locking-jaw E of the stock or shank
30 A to securely hold the wire, which is caught between said jaws, as is clearly shown in Fig. 1.

A sliding plate or lever D, having a right-angular arm D', pivotally secured by the pin *d* on the extension *b*² at the upper end of the
35 arm A², is connected to the stock or shank by means of the sliding connection, consisting of

a pin or stud C, projecting from the stock or shank A through a slot B of the lever D, whereby said lever D is guided and limited in its movement, as will be readily under-
40 stood. The end of the sliding plate or lever D is tapered and rounded at *e* and provided with a ring F for the purpose of attaching or suspending the tool from a belt.

The operation of the invention is as fol-
45 lows: As the sliding plate or lever is pushed forward it causes a reverse movement of the curved locking-jaw *b*, thereby increasing the distance between the milled or roughened surface sufficiently to allow for the passage of
50 the wire, and immediately on engaging, the operator pulls on the ring F, thus transmitting motion to the locking-jaw, causing it to bind or clamp the wire, as will be obvious.

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

A wire-stretcher consisting of an L-shaped body-plate A A', lying upon a similarly-formed handle-plate D D', the arms A D being held
60 to slide upon each other by a pin and slot, a stationary clamping-jaw secured to the body-plate opposite arm A', and an eccentric jaw connected by separate pivots to arms A' D', all substantially as shown. 65

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

CHAS. F. STEINKAMP.

Witnesses:

E. E. RENSCHAW,
HENRY HART.