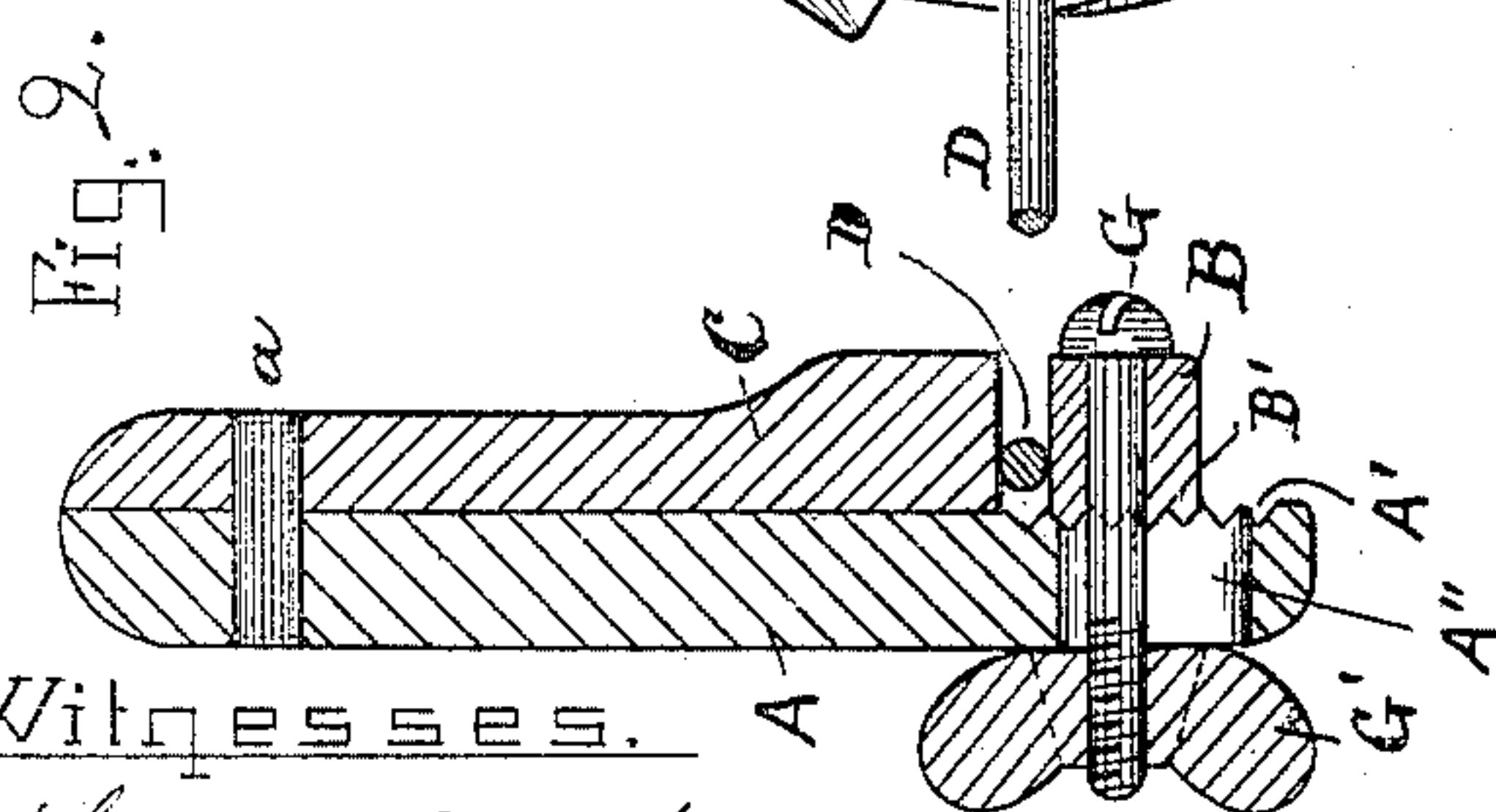
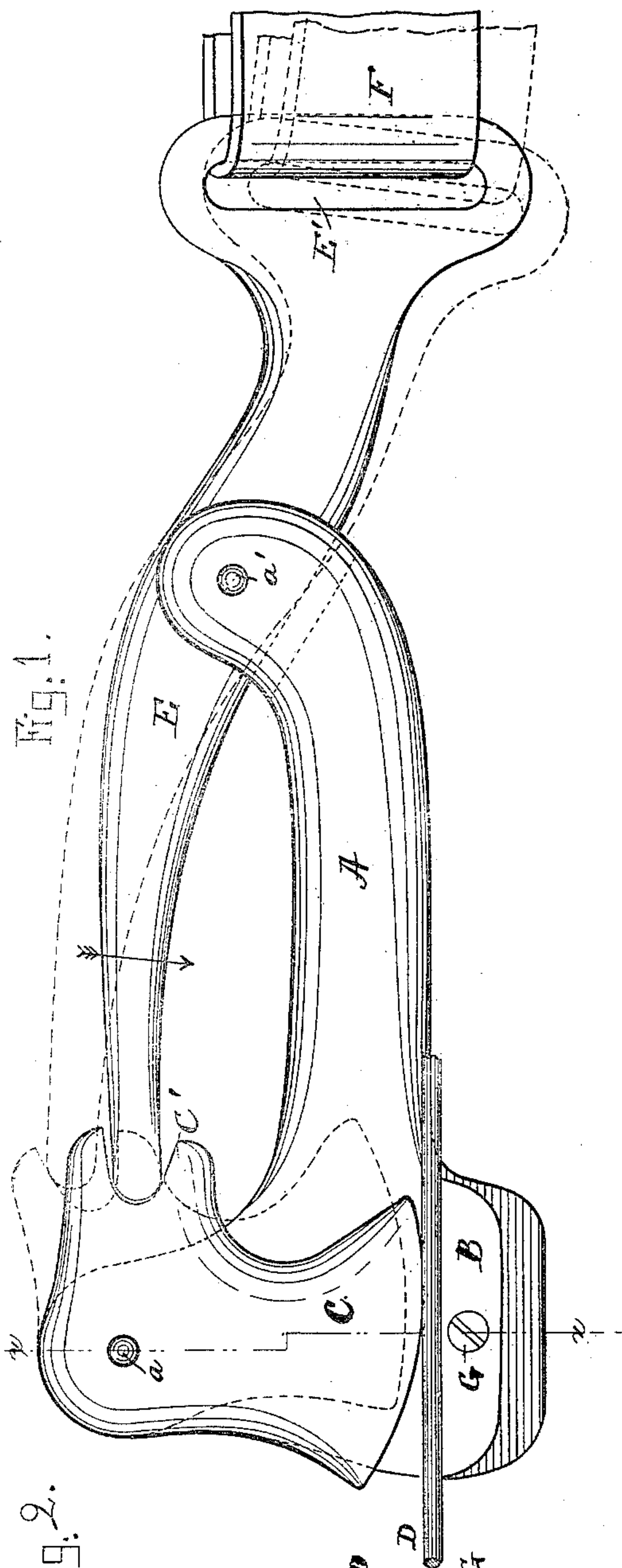


(No Model.)

C. A. KENT.
LINEMAN'S WIRE GRIP.

No. 467,815.

Patented Jan. 26, 1892.



Witnesses.

Lainitz W. Moller
Alice A. Perkins.

Inventor

Charles A. Kent.
by Wm. Andrew
his atty.

UNITED STATES PATENT OFFICE.

CHARLES A. KENT, OF BEVERLY, MASSACHUSETTS.

LINEMAN'S WIRE-GRIP.

SPECIFICATION forming part of Letters Patent No. 467,815, dated January 26, 1892.

Application filed May 22, 1891. Serial No. 393,687. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. KENT, a citizen of the United States, and a resident of Beverly, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Linemen's Wire-Grips, of which the following, taken in connection with the accompanying drawings, is a specification.

10 This invention has for its object to provide a novel, simple, efficient, and economical implement for the purpose of stretching telegraph or other electric or fence wires; and to this end it consists in the features of construction and the combination or arrangement of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

20 Figure 1 is a plan view of a wire-grip constructed in accordance with my invention; and Fig. 2 is a sectional view taken on the line *xx*, Fig. 1.

25 In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

30 The letter A indicates a flattened base-plate provided at one extremity with a slot A'' and a series of notches, teeth, or serrations A'. A rigid jaw B, having a series of notches, teeth, or serrations B', is arranged across the slotted portion of the base-plate, so that its notches, teeth, or serrations interlock with those of the base-plate. A clamping screw-bolt G extends through the rigid jaw and through the slot in the base-plate, and its screw-threaded extremity is provided with a thumb-nut G' for the purpose of tightening the clamping-bolt, and thereby securely locking the rigid jaw in any position to which it may be adjusted relatively to the acting face of a bell-crank jaw C, which is pivoted at its angle to the base-plate through the medium of a pivot-pin *a*. The bell-crank jaw C is so pivoted as to swing in a plane parallel with the flat surface of the base-plate for the purpose of gripping a wire D, placed between the two jaws. The short arm of the bell-crank jaw C is formed with a bifurcation C' to receive loosely the extremity of a lever E, which is pivoted to the extremity of the shank-

like portion of the base-plate. The lever E is pivoted intermediate its extremities to the shank-like extension of the base-plate through the medium of a pivot-pin *a'*, and the extremity of the lever opposite the extremity which engages the fork C' of the bell-crank jaw is formed or otherwise provided with a loop or eye E' to receive a strap or cable F, the construction and arrangement being such that strain upon the strap or cable will swing the lever E in the direction of the arrow, Fig. 1, and thereby rock the bell-crank jaw on its pivot in the direction to clamp the wire against the rigid jaw B. By this means tension on the strap or cable tends to constantly press the bell-crank jaw into its gripping position, thereby effectually gripping the wire for the purpose of stretching the same. By adjusting the rigid jaw toward or from the acting face of the swinging bell-crank jaw the parts are rendered susceptible of properly acting upon wires of varying diameter or size.

Having thus described my invention, what I claim is—

1. A wire-grip consisting of a flattened base-plate having a shank-like extension and a rigid jaw B, a bell-crank jaw C, pivoted at its angle to and swinging in a plane parallel with the base-plate and having its short arm provided with a bifurcation C', and a lever E, pivoted intermediate its extremities to the shank-like extension of the base-plate, having one end engaging the bifurcation of the bell-crank jaw and its other end projecting past the extremity of the shank-like extension and having a loop or eye for engaging a strap or cable, so that tension on the latter throws the bell-crank jaw into gripping action, substantially as described.

2. A wire-grip consisting of a flattened base-plate having a shank-like extension, a slot A'', and a series of notches or teeth A', an adjustable jaw B, having notches or teeth B' and provided with a clamping-bolt extending through the slot of the base-plate, a bell-crank jaw pivoted at its angle to and swinging in a plane parallel with the base-plate, and a lever E, pivoted intermediate its extremities to the base-plate, having one end loosely engaging the short arm of the bell-crank jaw and its other

end projecting past the extremity of the shank-
like extension of the base-plate, and provided
with a loop or eye for engaging a strap or ca-
ble, so that tension on the latter throws the
5 bell-crank jaw into gripping action, substan-
tially as described.

In testimony whereof I have signed my

name to this specification, in the presence of
two subscribing witnesses, on this 18th day of
May, A. D. 1891.

CHARLES A. KENT.

Witnesses:

ALBAN ANDRÉN,
HELEN T. ANDRÉN.