

(No Model.)

R. M. JONES.  
WIRE CLAMP.

No. 452,185.

Patented May 12, 1891.

Fig. 1.

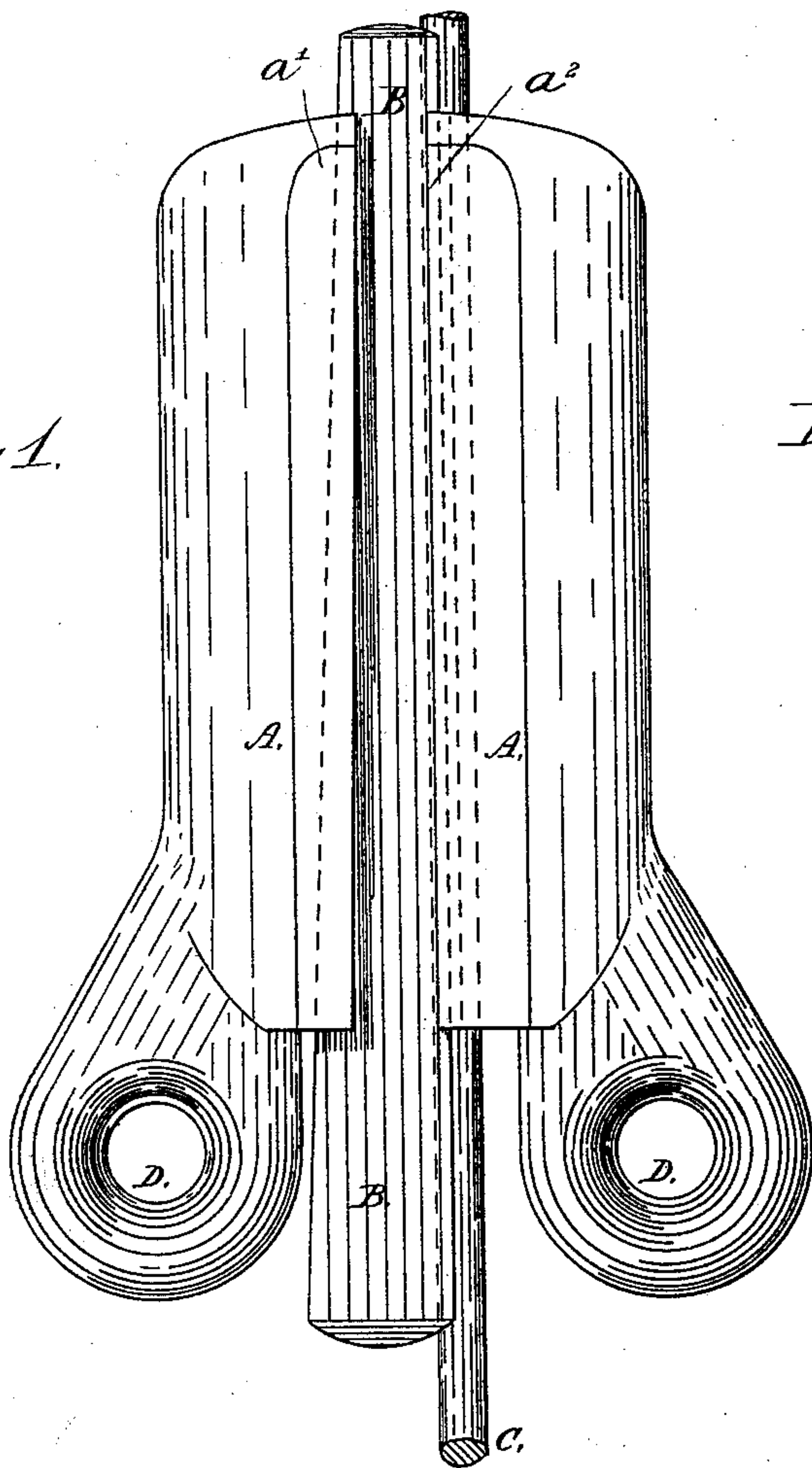


Fig. 2.

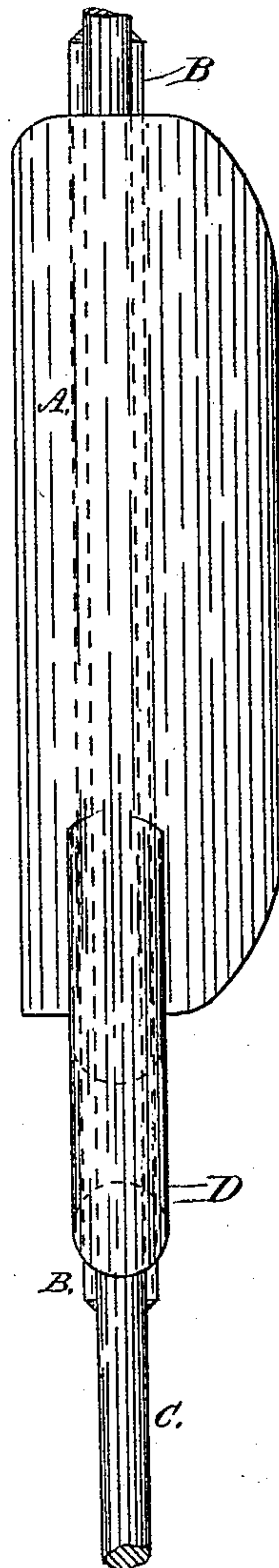
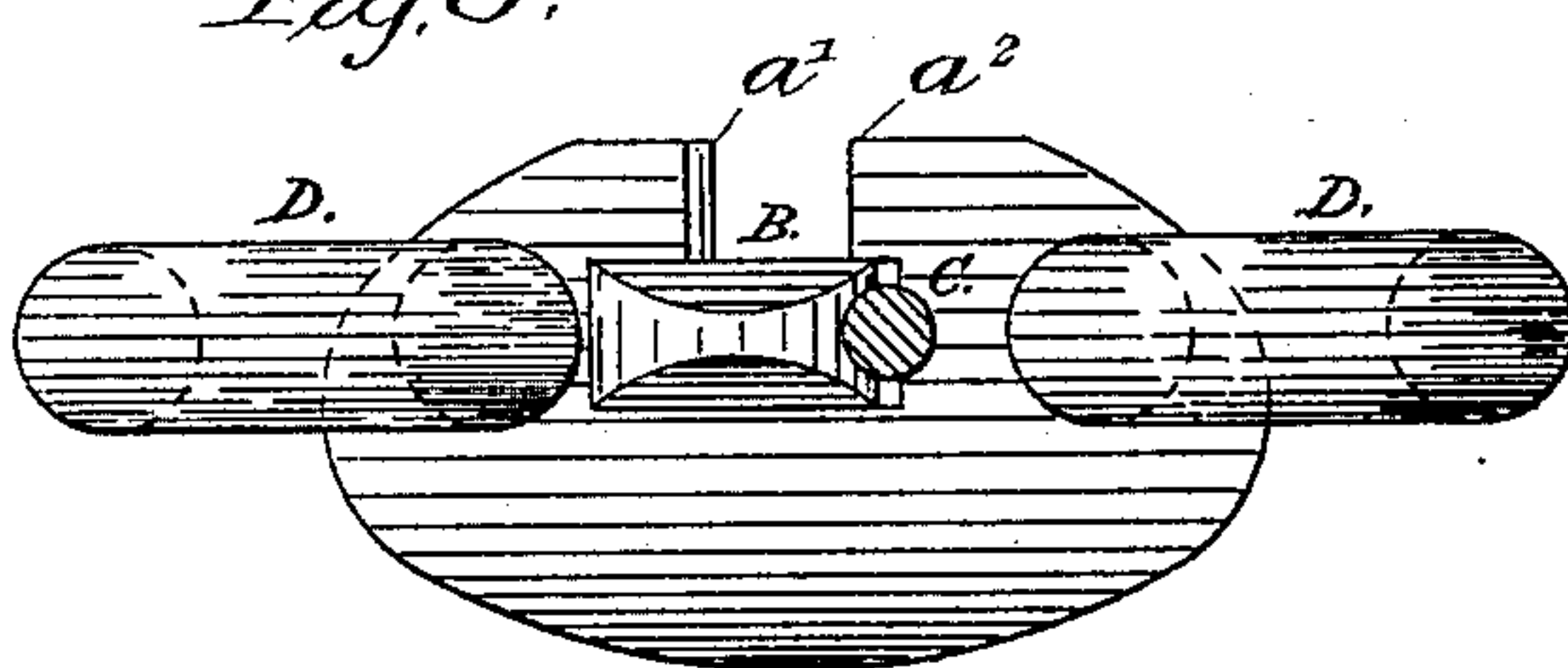


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ROBERT M. JONES, OF SALT LAKE CITY, UTAH TERRITORY.

## WIRE-CLAMP.

SPECIFICATION forming part of Letters Patent No. 452,185, dated May 12, 1891.

Application filed December 17, 1890. Serial No. 374,973. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT M. JONES, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and Territory of Utah, have invented certain Improvements in Wire-Clamps for Linemen and Others, of which the following is a specification.

My invention relates to that class of wire-clamps used by telegraph and other linemen for straining or tightening line-wires; and the object of my invention is to provide a simple, cheap, and effective device for this purpose which shall be easily applied and will not deteriorate or cut the line-wire.

My invention will be fully described hereinafter, and its novel features carefully defined in the claim.

In the accompanying drawings, which serve to illustrate my invention, Figure 1 is a face view of the clamp affixed to the wire to be strained, and Fig. 2 is a side view of the same. Fig. 3 is an end elevation of the same.

In the drawings, A is the main member or body of the clamp, which is provided with two apertured lugs D D at its forward end, through which are threaded the cords or straps by means of which the wire is strained. Along the upper face of the member A, near its middle, is a deep longitudinal slot or way, with overhanging faces  $a'$   $a^2$ , and preferably inclined at one side  $a'$ , and provided with a longitudinal recess at its opposite side into which takes the line-wire C when the clamp is to be applied thereto.

B is a wedge-shaped slide-piece, which is entered at the forward or wider mouth of the guideway in the body A, the wire C being in place in its groove, and which is also beveled or inclined longitudinally to correspond to the incline in the side  $a'$  of the body A. On its opposite face the slide B is also recessed to receive the wire C, so that when the clamp is in place on the wire the latter lies between the recessed faces of the slide and the body. The body A is integral, or all in one piece, and the apertured lugs D D are integral with the body. The form of my clamp is well adapted for this integral construction.

I will now describe the application and use

of the clamp in straining the wire, with reference to the accompanying drawings and the foregoing description. The body A is placed upon the wire C near the loose end thereof, or that end farthest from the pole to which the wire has been previously secured, the said wire taking into the recess in the undercut side  $a^2$  of the groove therein, and the smaller end of the wedge B is slipped up tightly into the larger open end or mouth of said slot in the body A, its inclined side or face taking against the inclined undercut side  $a'$  of said slot. The wire will now be firmly wedged in between the two grooved faces of the respective parts, and the lineman will draw the wire to the proper degree of tension by pulls on the ropes secured to the eyes D D of the clamp. The wire will then be secured to the insulator at the second pole and the operation repeated between each two poles. While the strain on the wire in one direction tends to tighten the hold on the wire as in other clamps for this purpose, I leave the wedge B entirely free and disconnected from the straining-ropes, which are secured to the body A through the medium of the lugs or eyes D D therein.

In order to insure the bite of the respective faces of parts A and B on the wire, the grooves in these parts may be roughened, or, indeed, the grooves may be omitted and the faces roughened in lieu thereof in a well-known way.

Having thus described my invention, I claim—

As an improved article of manufacture, a lineman's wire-clamp comprising the integrally-constructed body A, having a longitudinal undercut tapered slot or way to receive the wires, and a wedge, and apertured lugs D D for attachment of the straining-rope thereto, and the tapered wedge B, adapted to fit into said tapered way and clamp the wire within the same, as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

ROBERT M. JONES.

Witnesses:

LE ROY MANSFIELD,  
THOMAS R. THOMPSON.