C. C. LA RUE.

WIRE-FENCE TIGHTENERS.

No. 195,026. Patented Sept. 11, 1877.

Fig. 1.

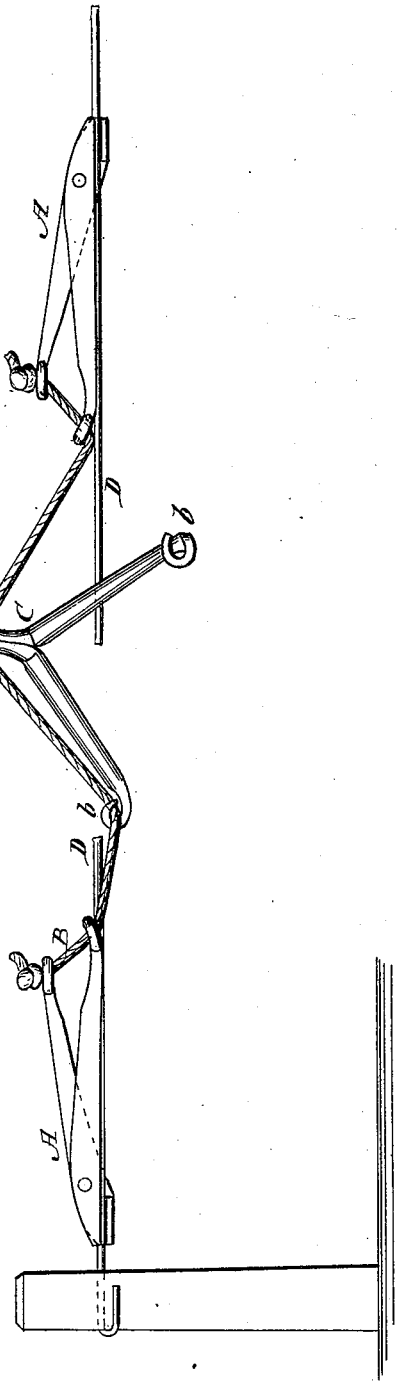


Fig. 2.

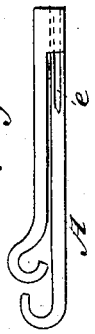
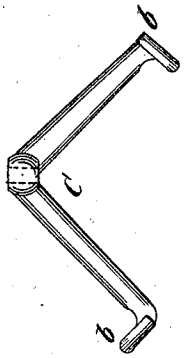


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHAMBERS C. LA RUE, OF BLAIRSTOWN, IOWA.

IMPROVEMENT IN WIRE-FENCE TIGHTENERS.

Specification forming part of Letters Patent No. **195,026**, dated September 11, 1877; application filed August 18, 1877.

To all whom it may concern:

Be it known that I, CHAMBERS C. LA RUE, of Blairstown, in the county of Benton and State of Iowa, have invented a new and Improved Wire-Fence Tightener, of which the following is a specification:

This invention has relation to devices for tightening wire fences; and the nature of my invention consists in the combination of an angular lever with clamping-jaws or pinchers and a connecting-rope, as will be hereinafter explained.

In the annexed drawings, Figure 1 is a side view, showing my improved device applied to a fence-wire. Fig. 2 is an edge view of one of the pinchers. Fig. 3 is a side view of the angular lever.

Similar letters of reference indicate corresponding parts.

The letters A A designate wire-pinchers. B is a rope, connecting the pinchers together, and C is an angular lever, to which power may be applied by a windlass, or in other way, for the purpose of tightening the fence-wire, or drawing together the ends of a broken wire.

The pinchers A consist of two levers constructed with griping-jaws, one of which jaws is flanged, so that the other jaw, which is flat, can firmly bite and hold the fence-wire.

One of the levers of each pair of pinchers A is longer than the other lever, and to an eye formed on the end of the shortest lever the rope B is attached by a knot, and passed through a hook formed on the end of the longest lever, as shown in Fig. 1. The longest levers of the pinchers draw in a line which coincides with the length of the fence-wires D.

At the angle of the lever C a short arm is formed, through which is an eye that receives the rope B between the two pinchers A A. The ends of levers C have hooks *b* formed on them, and when it is desired one of these hooks is engaged with the rope B, and the power is applied to the opposite arm of the lever by a windlass or other convenient means.

To prevent the wire from being flattened or kinked, the straight jaws of the pinchers are grooved, as indicated at *e*, Fig. 2, and in these grooves the wire will lie closely and be griped by the flanged jaws.

It will be observed that the griping-jaws of the pinchers will hold with greater or less force, according to the power applied to the angular lever C.

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

In combination with the pinchers A A, constructed as described, and with the rope B, the angular lever C, having hooked ends, substantially in the manner and for the purposes specified.

CHAMBERS CHARLES LA RUE.

Witnesses:

SPENCER SMITH,

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