

W. F. DANIELS.
WIRE FENCE TIGHTENER.

No. 175,944.

Patented April 11, 1876.

Fig. 1.

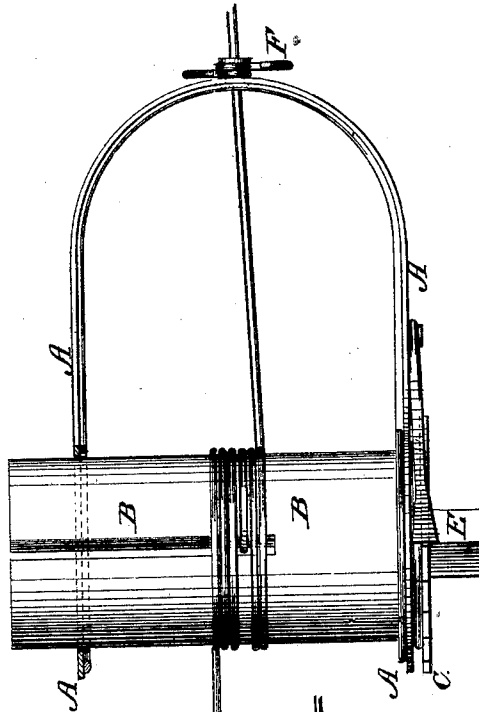
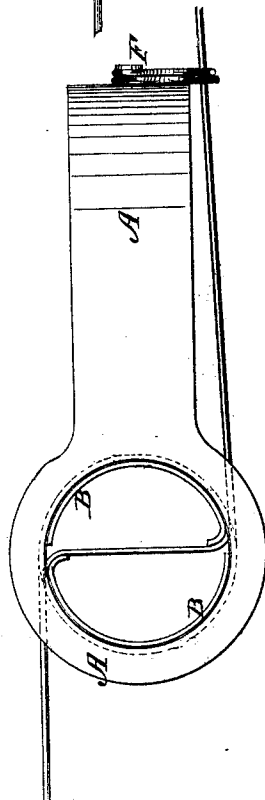


Fig. 2.



WITNESSES:

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BY

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UNITED STATES PATENT OFFICE

WILLIAM F. DANIELS, OF LIME SPRING, IOWA.

IMPROVEMENT IN WIRE-FENCE TIGHTENERS.

Specification forming part of Letters Patent No. **175,944**, dated April 11, 1876; application filed January 22, 1876.

To all whom it may concern:

Be it known that I, WILLIAM F. DANIELS, of Lime Spring, Howard county, Iowa, have invented a new and useful Improvement in the Wire-Fence Tighteners, of which the following is a specification:

Figure 1 is a plan view of my improved device, part being broken away to show the construction, and Fig. 2 is a side view of the same. Both figures show the device applied to a fence-wire.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for tightening the wires of wire fences, which shall be so constructed that the wires may be tightened without being cut, which shall be simple in construction, convenient in use, and durable.

The invention consists in an improved wire-tightener formed by the combination of the U-bar or clevis, provided with the pawl and the hooks, and the slotted cylinder, provided with the ratchet-wheel and the projection or socket, with each other, as hereinafter fully described.

A is a clevis or U-shaped bar, in the ends of which are formed holes to receive the cylinder B. The cylinder is made hollow, to make it tight, and is slotted from one end to half its length, more or less, the alternate edges of said slot being rounded off to prevent it from cutting the wire. To the other end of

the cylinder B is attached a ratchet-wheel, C, with the teeth of which engages the pawl D, pivoted or detachably attached to the bar A. Upon the end of the cylinder B is formed a square projection or socket, E, to receive the wrench or lever by which said cylinder is turned. To the bend of the U-bar A is attached a hook, F, to be hooked upon the wire to keep the tightener in place.

In using the device the bar A is hooked upon the wire, the cylinder B is put in in such a way that the wire to be tightened may pass into its slot between the arms of the bar A. The cylinder B is then turned, winding the wire around it, until the said wire has been drawn to the desired tautness, where it is held by the pawl D and ratchet-wheel C. The hook F is then hooked upon the wire or some other support.

I am aware that wire fencing has been stretched by a windlass and longitudinal frame, the wire passing through an end slot of the former and both ends of the latter; but

What I claim is—

The U-bar A, provided with top fastener, in combination with a wire-stretching windlass, herein described, as and for the purpose specified.

WILLIAM F. DANIELS.

Witnesses:

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