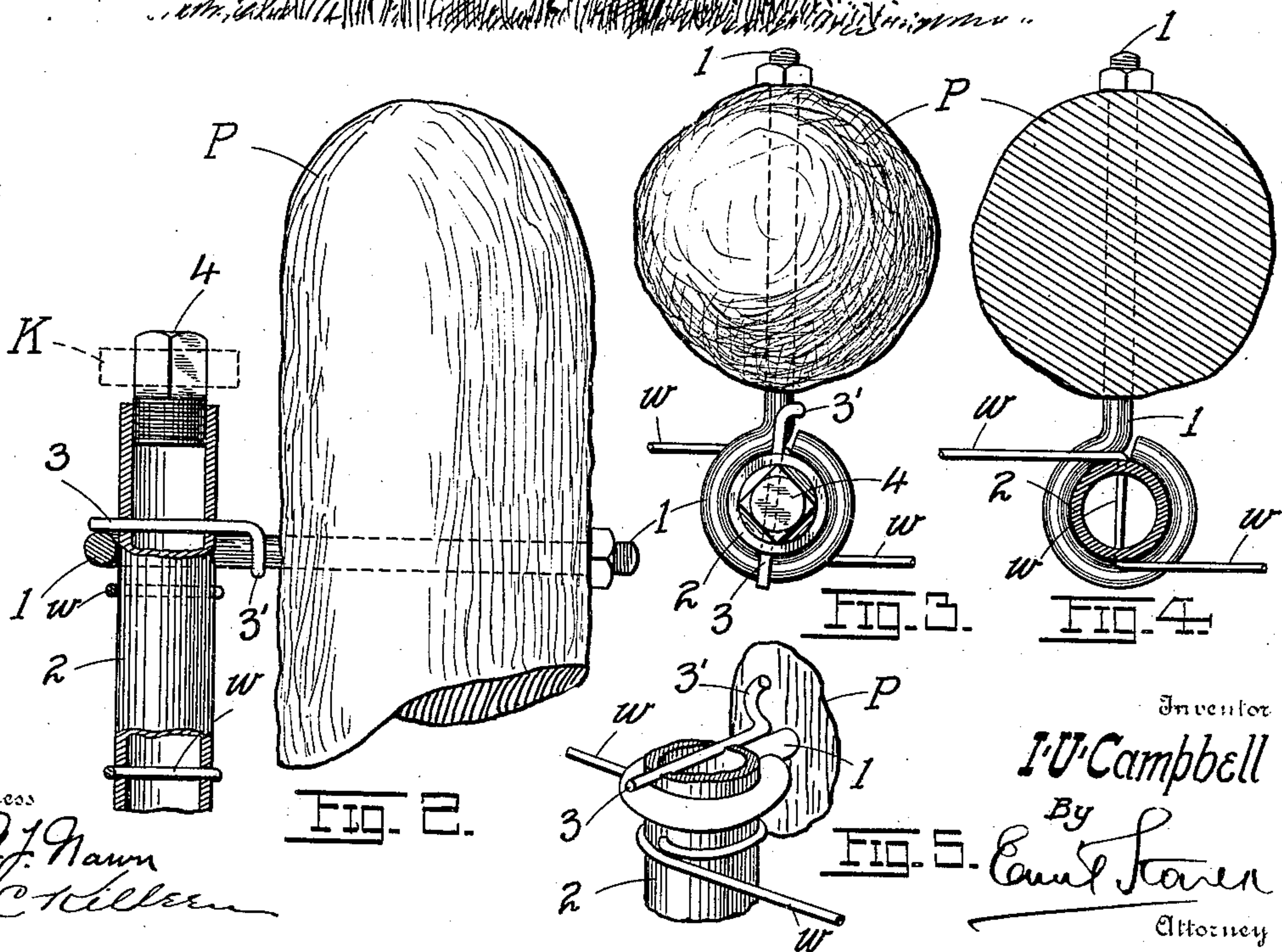
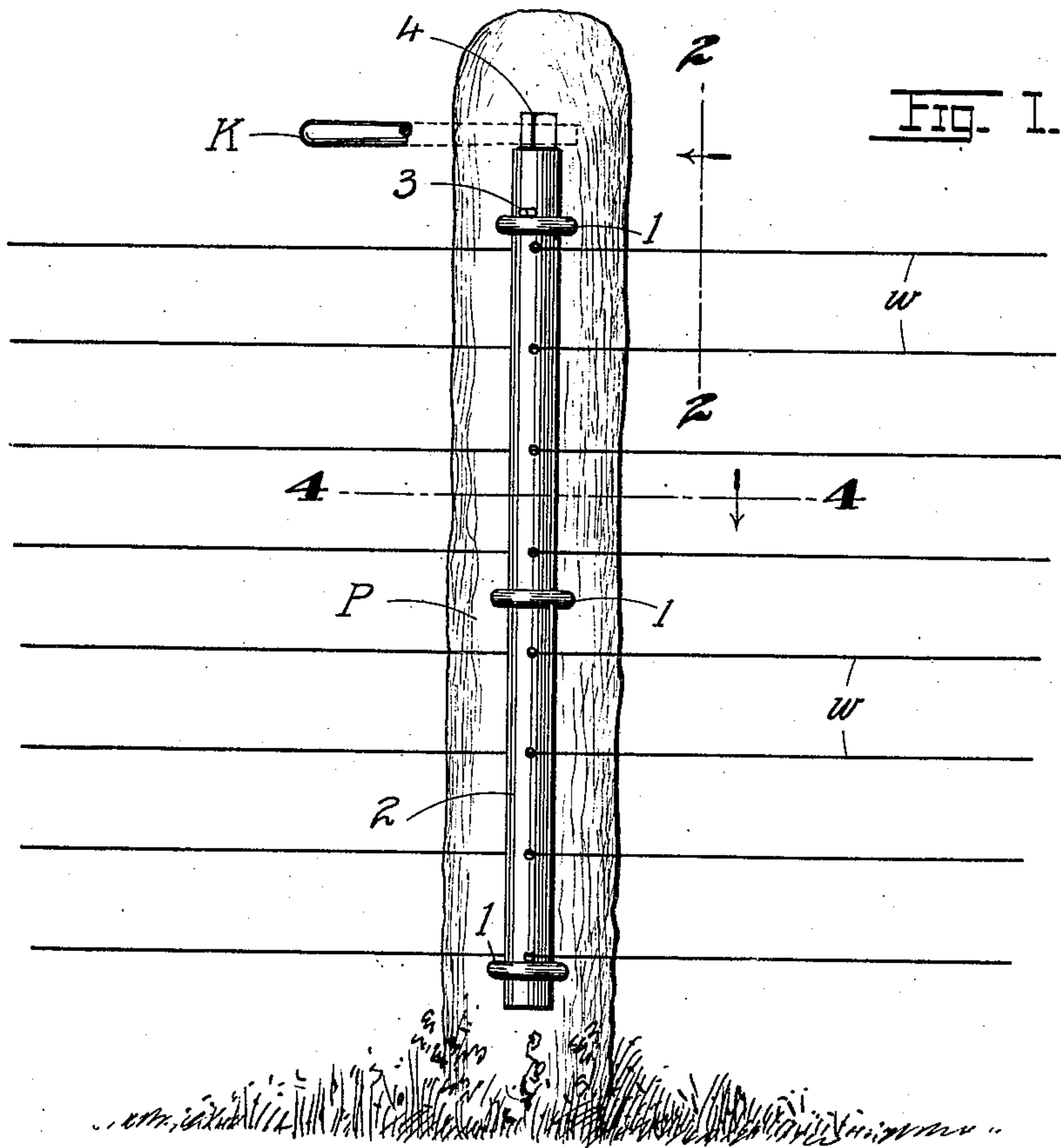


No. 828,382.

PATENTED AUG. 14, 1906.

I. U. CAMPBELL.
WIRE TIGHTENER.
APPLICATION FILED DEC. 4, 1905.



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UNITED STATES PATENT OFFICE.

ISAAC U. CAMPBELL, OF ERIN, TENNESSEE.

WIRE-TIGHTENER.

No. 828,382.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed December 4, 1905. Serial No. 290,130.

To all whom it may concern:

Be it known that I, ISAAC U. CAMPBELL, a citizen of the United States, residing at Erin, in the county of Houston and State of Tennessee, have invented certain new and useful Improvements in Wire-Tighteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention has relation to improvements in wire-tighteners for wire fences; and it consists in the novel construction of device more fully set forth in the specification and pointed out in the claim.

In the drawings, Figure 1 is an elevation of a fence-section, showing my invention applied thereto. Fig. 2 is a transverse vertical enlarged section on line 2 2 of Fig. 1. Fig. 3 is a top plan thereof. Fig. 4 is a horizontal section on line 4 4 of Fig. 1, and Fig. 5 is a perspective, parts broken away, showing the disengaged position of the locking pin or key.

The object of my invention is to provide a wire fence with means whereby the wire thereof may be at any time tightened with a minimum expenditure of time and labor, the device being simple, cheap, and durable and forming a permanent part of the fence construction.

In detail the device may be described as follows: Referring to the drawings, P represents a fence-post, and *w* the series of wires comprising the fence. Carried by any convenient number of the posts are a series of eyebolts 1, within the loops of which is freely rotatable a pipe-bar 2, supported from the upper eyebolt by a pin 3, passed loosely through the walls of the pipe-bar, one end of the pin terminating in a hook 3', which upon

rotation of the pin in proper direction may be made to engage the stem of the eyebolt, Figs. 2, 3. The wires *w* are passed through the walls of the pipe, as seen in Fig. 4. The top of the pipe-bar is provided with a polygonal head 4, to which a wrench or key K can be applied. Upon disengaging the hook 3' from the eyebolt 1, Fig. 5, the operator by applying the key to the head 4 gives the pipe-bar a turn sufficient to cause the wire to wrap about the pipe-bar, Fig. 5, this operation tightening all the wires simultaneously. Then by turning the pin back, so as to effect reengagement with the end 3' with the eyebolt, the parts are securely locked against the tension of the wire thus exerted under the circumstances. The pipe-bar 2 may be solid except where it must necessarily be perforated to permit the passage therethrough of the wire *w* and pin 3.

Having described my invention, what I claim is—

In combination with a fence-post, a series of eyebolts passed through the same, a pipe-bar passed loosely through the eyes of the bolts, a pin passed transversely through the pipe-bar and resting on the eye of the upper eyebolt, a terminal hook on the pin for engaging the stem of the eyebolt, a polygonal head on the pipe-bar, and a series of wires passed through the bar, the parts operating substantially as, and for the purpose set forth.

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

ISAAC U. CAMPBELL.

Witnesses:

G. P. ATCHISON.

A. B. KIRK.