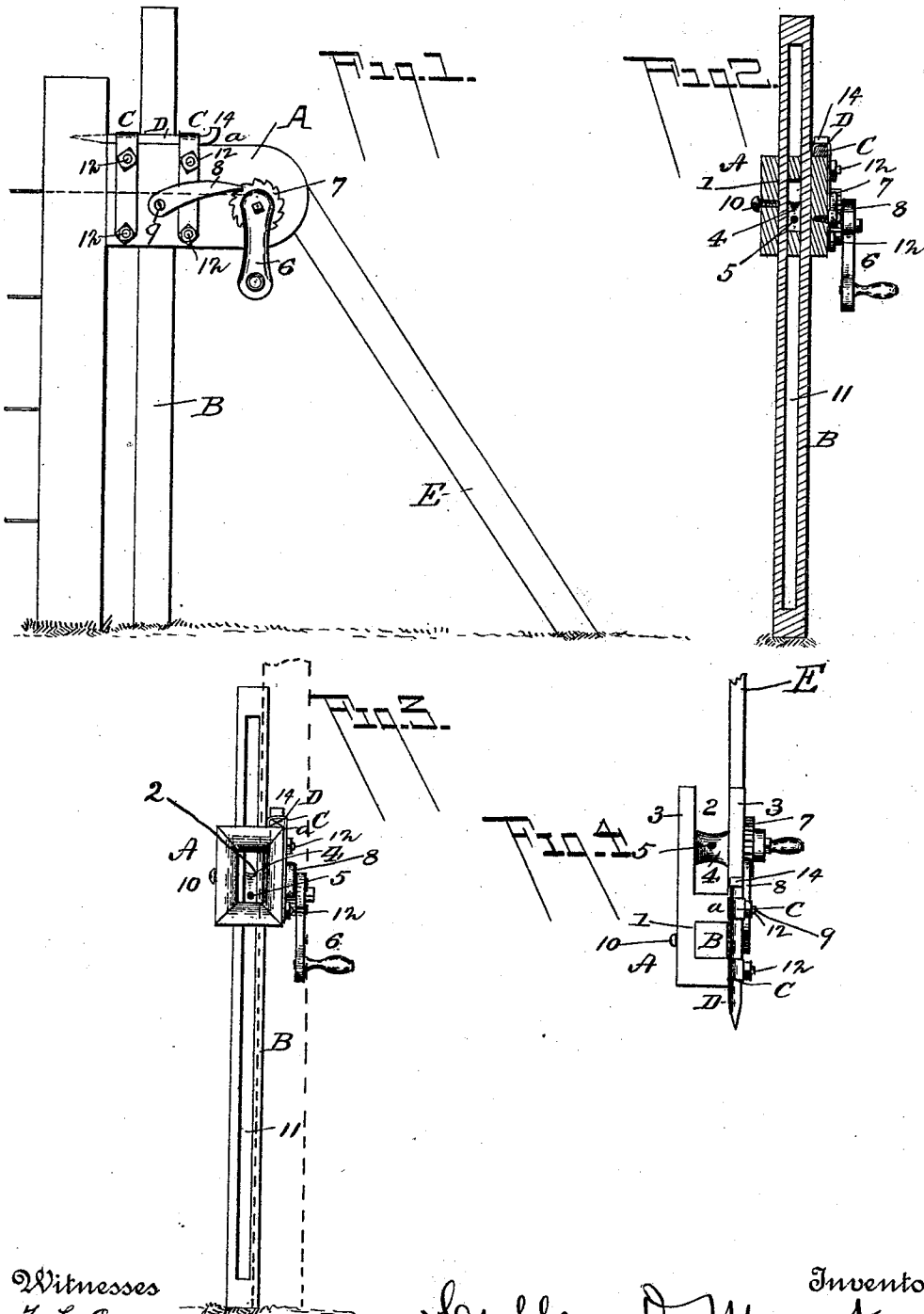


(No Model.)

C. D. MOCK.
WIRE STRETCHER.

No. 496,577.

Patented May 2, 1893.



Witnesses
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UNITED STATES PATENT OFFICE.

CULLEN D. MOCK, OF PINK HILL, MISSOURI.

WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 496,577, dated May 2, 1893.

Application filed February 17, 1893. Serial No. 462,754. (No model.)

To all whom it may concern:

Be it known that I, CULLEN D. MOCK, a citizen of the United States, residing at Pink Hill, in the county of Jackson, State of Missouri, have invented certain new and useful Improvements in Wire-Stretchers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in wire-stretchers and particularly to that class of machines used in the erection of wire fences.

The invention will first be described in connection with the accompanying drawings, and then pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my improved apparatus, showing the way in which it is used. Fig. 2 is a vertical section taken transversely through the machine on the line $x-x$, Fig. 1. Fig. 3 is a front view of Fig. 1. Fig. 4 is a plan view of the same.

Referring to the drawings, A is a drum-frame having a vertical opening 1, a longitudinal opening 2, and a pair of rearward-projecting lugs 3 in which is journaled a transverse horizontal winding-drum 4 provided with a central hole 5. The drum is adapted to be turned by means of a crank 6, a ratchet-wheel 7 being attached to the drum-shaft and engaged by a pawl 8, pivoted to the drum-frame at 9.

B is a vertical standard, passing through and fitting loosely within the vertical opening 1 in the drum-frame, the lower end of the standard resting on the ground and the drum-frame A being adjustable up and down on the standard, a thumb-screw 10, tapped into one side of the drum-frame, serving to fasten the said frame at any desired height on the standard. The vertical standard is slotted at 11 to permit the wire to be run through it, as will be more fully understood from the description of the operation.

C are straps secured to the top of one edge a of the frame A, so as to form sockets thereon. They extend down each side of the said edge a and bolted to the frame by bolts 12 passing entirely through the frame.

D is a spike, having a point 13 and an upward-extending head 14.

E is a brace adapted to hold the stretcher from turning sidewise.

In using my apparatus, the drum-frame A is adjusted on the vertical standard B at the required height. Then the stretcher is placed on the rear side of the fence-post, the bottom of the vertical standard B resting on the ground and the front of edge a in contact with the rear face of the fence-post, the longitudinal opening 2 lying outside of the post, as shown in Fig. 3. To hold the stretcher temporarily in position, the spike D is inserted into the sockets under the straps C and the spike point 13 driven slightly into the post. This serves to support the stretcher and leaves the operator's hands free to proceed with the work. The brace E is now placed in an inclined position, its foot resting on the ground and its upper end bearing against the rear end of the stretcher in line with the spike D, a stake being driven into the ground, as at 15, to hold the end of the brace E from slipping. The wire is now inserted through the longitudinal opening 2, also passing through the slot 11 in the vertical standard B, the end of the wire being fastened to the drum. By turning the crank, the end of the wire will be wound on the drum, thus stretching it, it being understood of course that the other end of the wire is fastened to a post in front of the stretcher.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with a drum-frame having a vertical opening and a longitudinal opening, of a slotted vertical standard passing through the vertical opening and across the longitudinal opening, the slot in the standard being in line with the longitudinal opening, a drum mounted opposite the longitudinal opening, and means for operating the drum, substantially as described and for the purpose set forth.

2. In a wire-stretcher, the combination, with a frame having a vertical opening, of a standard adapted to pass through the opening, a series of spike-sockets secured to the upper surface of the drum-frame at one side of the opening, and a spike fitting loosely in the spike-sockets, substantially as described.

3. The combination, with a drum-frame hav-

ing a vertical and a longitudinal opening intersecting each other and a pair of rearward-extending lugs, a drum journaled in the lugs in line with the longitudinal opening, a crank
5 and a ratchet-wheel attached to the drum, and a pawl pivoted to the side of the frame and engaging the ratchet-wheel, of a slotted vertical standard passing through the vertical opening, the slot being in line with the longitudinal opening, a thumb-screw tapped into
10 one side of the drum-frame and bearing against the standard, a series of spike-sockets having

downward-extensions, a series of bolts passing transversely through the said socket-extensions and entirely through the drum-frame, a spike having an upward-extending head, and a brace bearing against the rear end of the stretcher, substantially as described. 15

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

CULLEN D. MOCK.

Witnesses:

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