(No Model.)

W. A. LAMBERT.

WIRE STRETCHING MACHINE.

No. 519,456. Patented May 8, 1894.

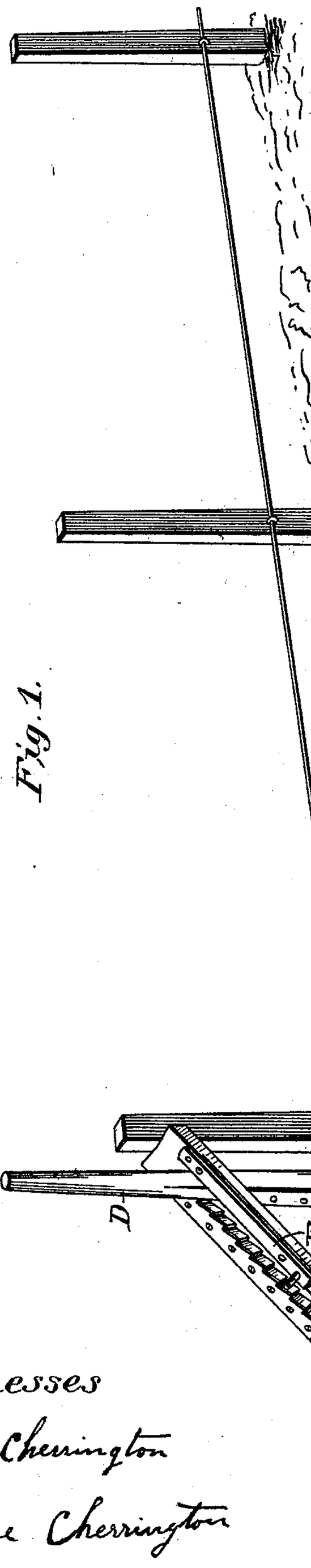

Fig. 1.

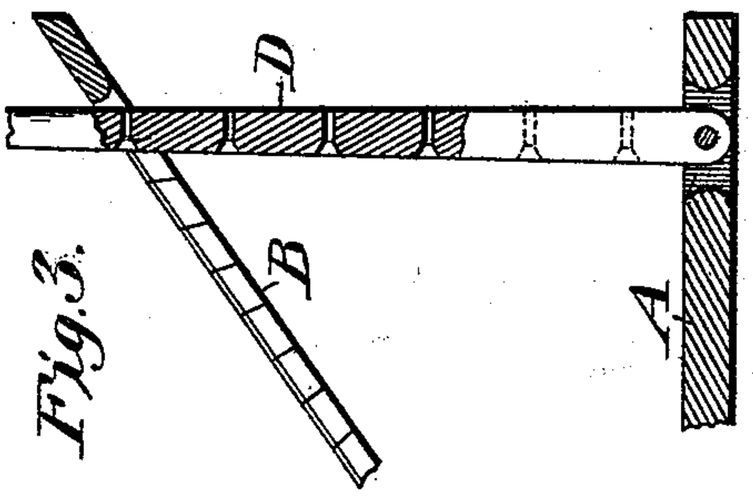

Fig. 3.

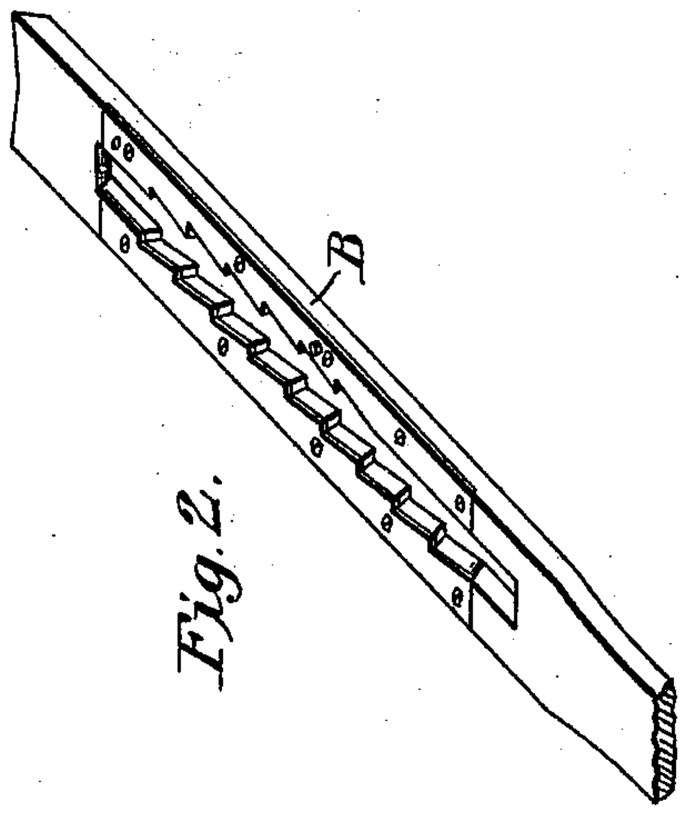

Fig. 2.

Witnesses

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WILLIAM A. LAMBERT, OF EVERGREEN, OHIO.

WIRE-STRETCHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 519,456, dated May 8, 1894.

Application filed August 16, 1893. Serial No. 483,312. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. LAMBERT, a citizen of the United States, residing at Evergreen, in the county of Gallia and State of Ohio, have invented a new and useful Wire-Stretching Machine, useful in the erection of wire fencing, &c., of which the following is a specification.

My invention relates to improvements in stretching smooth wire in the building of post and wire fences, which owing to a scarcity of timber are necessarily coming into general use in some parts of the country.

Figure 1. is a perspective view of my stretcher in position. Fig. 2. is a view on a larger scale of the ratchet bar. Fig. 3. is a longitudinal section of the implement, part of it being broken away.

My stretcher consists of a frame work of three pieces of timber, first, a horizontal foot piece, marked (A); second, a piece of timber marked (B) which is placed at an angle of forty-five degrees to A, its foot firmly secured therein; third, a perpendicular brace marked (C) connecting and strengthening "A" and "B." A lengthwise mortise is cut in "B" to allow a lever to pass through it.

The lever marked (D) contains a number of small holes through which a wire can be passed, said holes being reamed out funnel shaped, so as to admit the point of a pair of pliers on the back or under side of the lever. This lever "D" is passed through the mortise in "B" and its foot is secured in "A." On the inner edges of the mortise, ratchet-teeth are cut and strengthened by an iron plate on either side; these ratchets are to hold the lever in place when drawn. A plate "E," is pivoted to the slotted bar "B" and used to prevent the lever "D" from catching on the ratchets while being returned to its perpendicular position, after straining a wire.

The operation of my stretcher is clearly shown in Fig. 1. where it is seen applied to the lowest wire of the fence. The wire may be secured in any convenient manner, to prevent its slipping through the hole in lever "D," when the latter is forced backward to strain it.

What I claim as my invention, and desire to secure by Letters Patent, is—

A wire stretching machine, consisting of the base A; the perforated lever D pivoted to the base near one end, the oblique slotted bar B, secured to the other end of the base and having ratchet teeth on each edge of the slot the slide E pivoted to B, for covering the ratchet teeth, and the brace C, connecting parts A and B substantially as shown.

WILLIAM A. LAMBERT.

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