

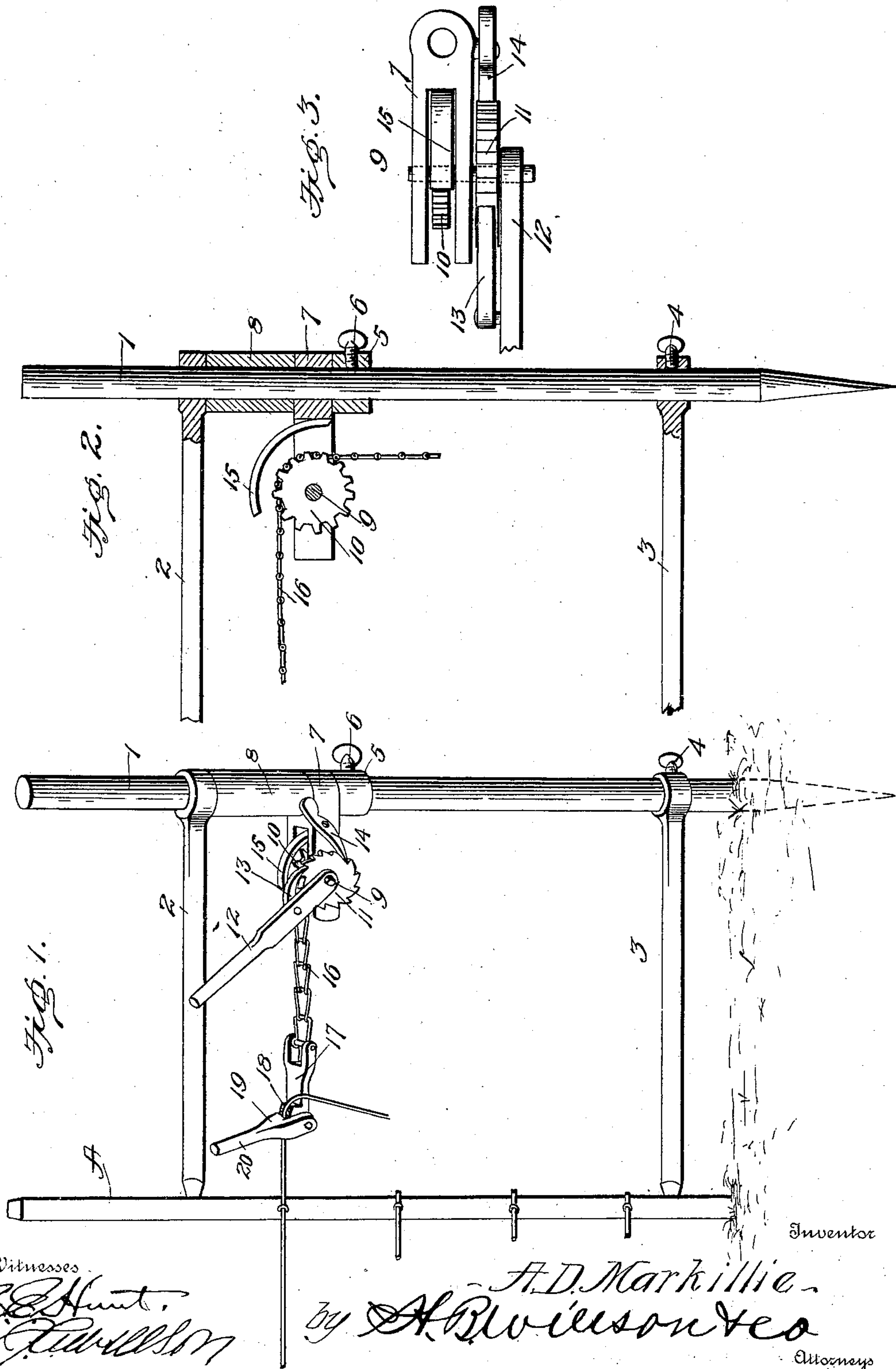
No. 633,268.

Patented Sept. 19, 1899.

A. D. MARKILLIE.
FENCE WIRE STRETCHER.

(Application filed Apr. 19, 1899.)

(No Model.)



UNITED STATES PATENT OFFICE.

ALPHA D. MARKILLIE, OF BASCO, ILLINOIS.

FENCE-WIRE STRETCHER.

SPECIFICATION forming part of Letters Patent No. 633,268, dated September 19, 1899.

Application filed April 19, 1899. Serial No. 713,584. (No model.)

To all whom it may concern:

Be it known that I, ALPHA D. MARKILLIE, a citizen of the United States, residing at Basco, in the county of Hancock and State of Illinois, have invented certain new and useful Improvements in Fence-Wire Stretchers; and I do 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 fence-wire stretchers; and the object is to provide a simple, inexpensive, durable, and effective device for conveniently and expeditiously stretching fence-wires.

To these ends the invention consists in the construction, combination, and arrangement of the several elements of the device, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings, the same reference characters indicate the same parts of the invention.

Figure 1 is a perspective view of my improved fence-wire stretcher. Fig. 2 is a longitudinal section on the line of the center of the sprocket-wheel. Fig. 3 is a top plan view of the stretcher-bracket.

A denotes the fence-post, and 1 an auxiliary post, on which the stretcher is mounted. This post 1 is pointed at its lower end to be temporarily inserted in the ground to support it in an upright position beyond and parallel with the fixed fence-post A.

2 and 3 denote horizontal parallel arms which encompass the post 1, and their shouldered pointed ends are set against the fence-post to take up the strain while the fence-wire is being drawn taut. The socket on the arm 3 is provided with a set-screw 4 to secure it in place. A collar 5, provided with a set-screw 6, encompasses the post 1 to adjustably secure the stretcher-bracket 7 in place, and a sleeve 8 encompasses the post 1 and rests on the bracket 7 to support the arm 2. A transverse shaft 9 is journaled in the parallel arms of the bracket, and it carries a sprocket-wheel 10 and ratchet-wheel 11, while on its outer

end is loosely mounted a hand-lever 12, carrying a pivoted pawl 13, adapted to engage the teeth on the ratchet-wheel, and 14 denotes a gravity-pawl fulcrumed on the bracket 7 and also engaging the ratchet-wheel.

15 denotes a curved guard formed integral with the bracket and extending part way over the sprocket-wheel, as shown.

16 denotes the sprocket-chain, the free end of which passes over the sprocket-wheel and under the guard, and the opposite end of the chain carries a bar 17, formed with a serrated jaw 18, and 19 denotes a coacting jaw formed on the handle 20, pivoted on the bar 17.

The fence-wire is clamped between the jaws 18 19, and by means of the hand-lever 12 the sprocket-chain is drawn in by the sprocket-wheel, and when the proper tension has been attained on the fence-wire the latter is secured to the fence-post by staples in the usual manner.

The accompanying drawings show my invention in the best form now known to me; but many changes in the details might be made within the skill of a good mechanic without departing from the spirit of my invention as set forth in the claim at the end of this specification.

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

The machine for stretching fence-wire, consisting of the cylindrical post, 1, the arms, 2 and 3, detachably secured thereto, the bracket, 7, adjustably secured to the said post, the sprocket-wheel, 10, mounted in said bracket, the curved guard, 15, projecting over the sprocket-wheel, the sprocket-chain and its vise, the collar, 5, and the sleeve, 8, interposed between the bracket and arm, 2, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

A. D. MARKILLIE.

Witnesses:

WM. P. DAMRON,
B. O. STEFFEY.