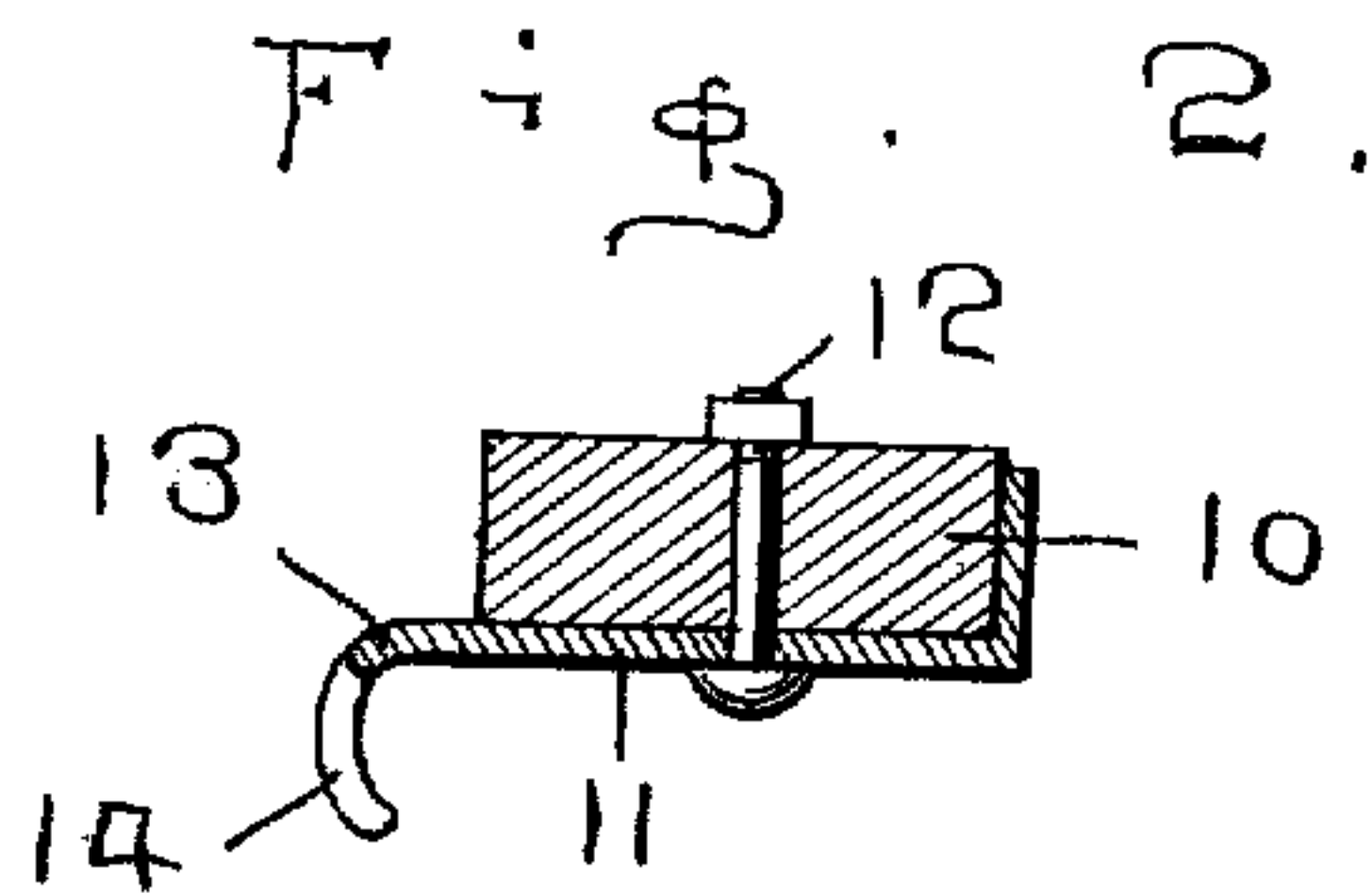
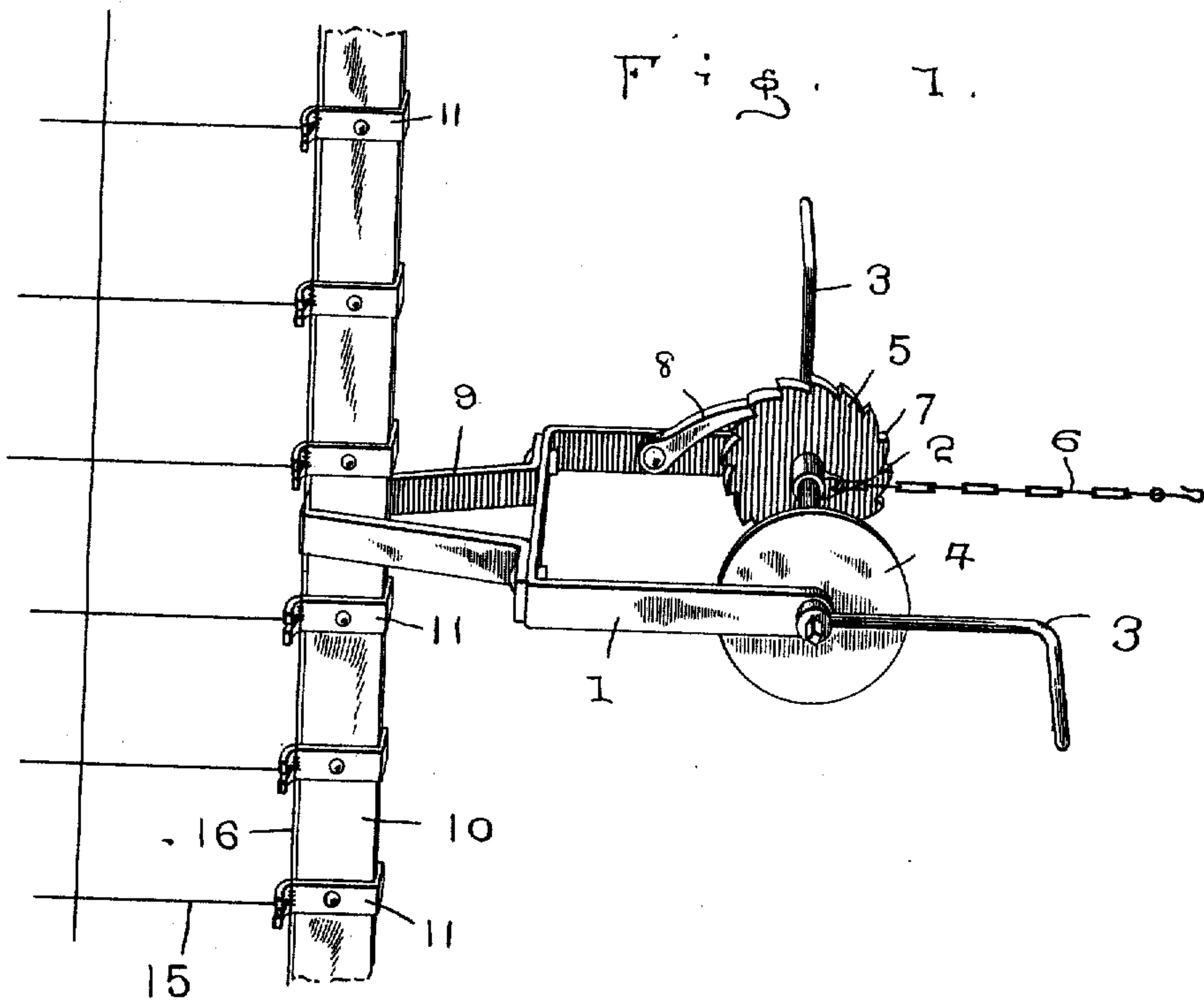


G. L. KRODER.
WIRE STRETCHING APPLIANCE.
APPLICATION FILED AUG. 18, 1908.

912,858.

Patented Feb. 16, 1909.



WITNESSES:
Thos. W. Riley
M. A. Newcomb

G. L. Kroder INVENTOR
BY
W. J. FitzGerald & Co. Attorneys

UNITED STATES PATENT OFFICE.

GEORGE L. KRODER, OF POCAHONTAS, ILLINOIS.

WIRE-STRETCHING APPLIANCE.

No. 912,858.

Specification of Letters Patent.

Patented Feb. 16, 1909.

Application filed August 18, 1908. Serial No. 449,062.

To all whom it may concern:

Be it known that I, GEORGE L. KRODER, a citizen of the United States, residing at Pocahontas, in the county of Bond and State of Illinois, have invented certain new and useful Improvements in Wire-Stretching Appliances; 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 new and useful improvements in wire stretching appliances and more particularly to that class adapted to be used for stretching woven wire along a line of fence and my object is to provide means for quickly attaching the stretching device to the strands of woven wire.

A further object is to provide means for anchoring the stretcher to a stationary object and a still further object is to provide means for winding the anchoring device whereby the stretching device will be moved towards its anchorage and the wire stretched. Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claim.

In the accompanying drawings which are made a part of this application, Figure 1 is a perspective view of the stretching device, showing the same applied to use, and, Fig. 2 is a detail transverse sectional view through the stretching bar and wire-engaging mechanism carried thereby.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a frame, which is preferably U-shaped and has mounted in its free ends a shaft 2, which shaft extends through the parallel portions of the frame 1 and has secured to its outer ends, cranks 3, through the medium of which power may be applied to the shaft and the shaft rotated.

Fixed to the shaft 2 between the parallel ends of the frame 1 are disks 4 and 5, which disks, in connection with the shaft 2, form a spool upon which an anchoring chain or cable 6 is adapted to be wound, one end of the chain being fixed to the spool in any preferred manner, while the opposite end thereof is adapted to be secured to a stationary

object, whereby when the chain is wound on the spool, the frame and parts carried thereby will move towards the stationary object to which the chain is secured.

The peripheral edge of the disk 5 is provided with a plurality of ratchet teeth 7, with which is adapted to engage the pawl 8 carried by the frame 1, the object of said pawl and teeth being to hold the spool against reverse rotation while the stretching operation is being performed.

Fixed to the closed end of the frame 1 is a clevis 9, through which is adapted to be inserted a stretching bar 10, on which are placed a plurality of arms 11, the forward ends of said arms being bent at right angles and in position to engage the forward edge of the bar 10, the arms being fixed to the bar by introducing bolts 12 through the arms and the bar.

The rear ends 13 of the arms 11 are curved and the curved portions are provided with substantially V-shaped or tapered slots 14, with which are adapted to engage the horizontal wires 15 of the woven fence and by placing the curved ends of the arms immediately in the rear of one of the vertical wires 16 of the fence and moving the horizontal wires inwardly until the tapered walls of the slot engage the wires, the woven fence will be securely held in engagement with the arms, whereby when the anchoring chain is wound upon the spool, the strands of woven wire will be moved longitudinally and stretched, it being understood of course that one end of the section of woven wire is anchored to a post or other object.

As my improved stretching device is formed of but very few parts, it will be seen that it can be very cheaply constructed and used for stretching various lengths of wire, either woven or in separate strands and it will likewise be seen that the stretching device can be very readily applied to use and moved from point to point as occasion may require.

What I claim is:

In a stretching appliance, the combination with a frame and means thereon to move said frame bodily; of a bar, means on the frame to engage said bar and a plurality of arms fixed to the bar, the forward ends of

the arms overlapping and engaging the forward edge of the bar and the rear ends of the arms being curved and provided with tapered slots with which are adapted to engage strands of wire, said rear ends having their slotted curved portions extending laterally beyond the line of said bar.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE L. KRODER.

Witnesses:

SIMON BROWN,
J. W. LONG.