

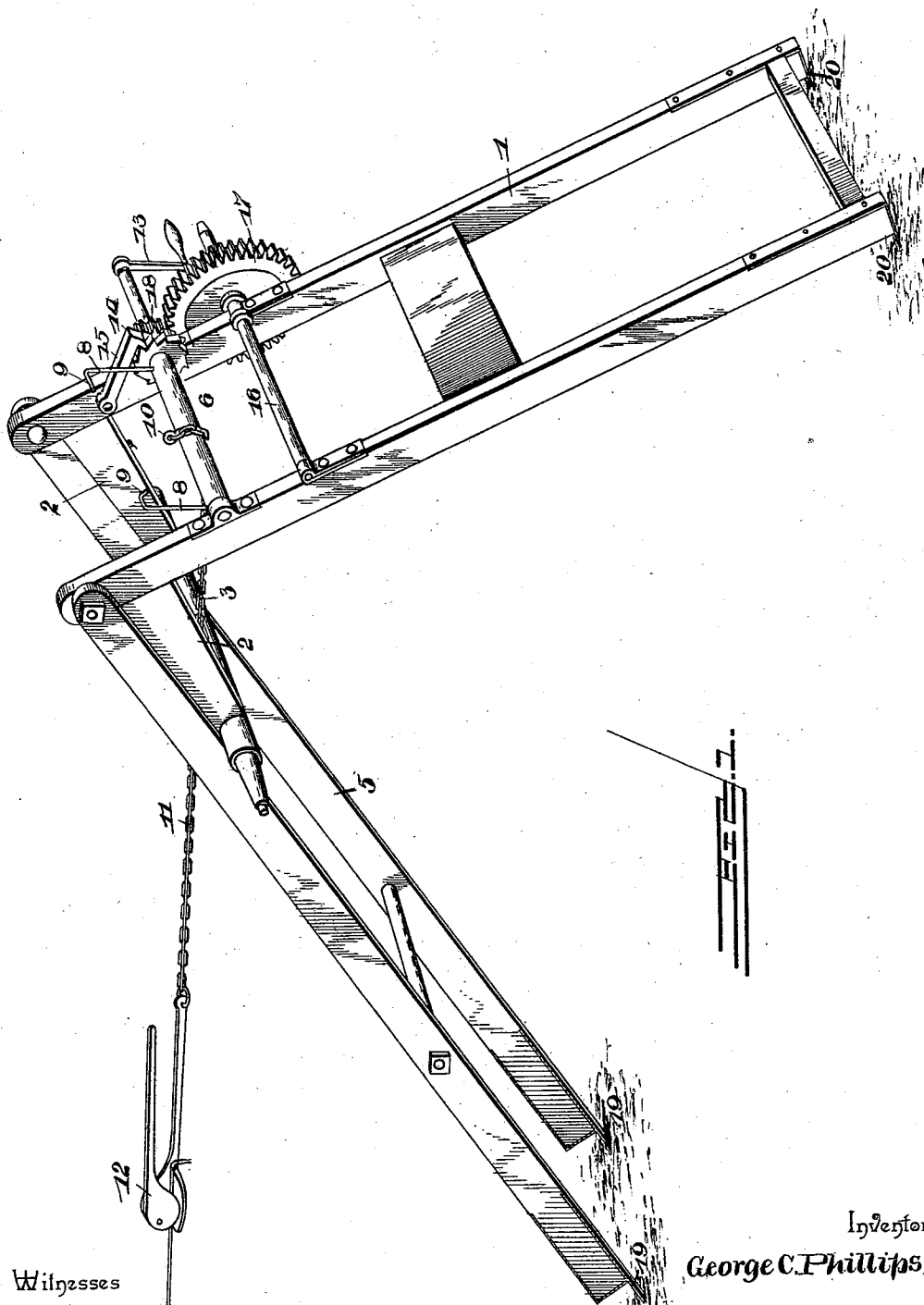
(No Model.)

2 Sheets—Sheet 1.

G. C. PHILLIPS.
REEL CARRIER.

No. 558,309.

Patented Apr. 14, 1896.



Witnesses

Wm. T. Doyle.
J. F. Riley

By his Attorneys,

C. A. Snow & Co.

Inventor,
George C. Phillips,

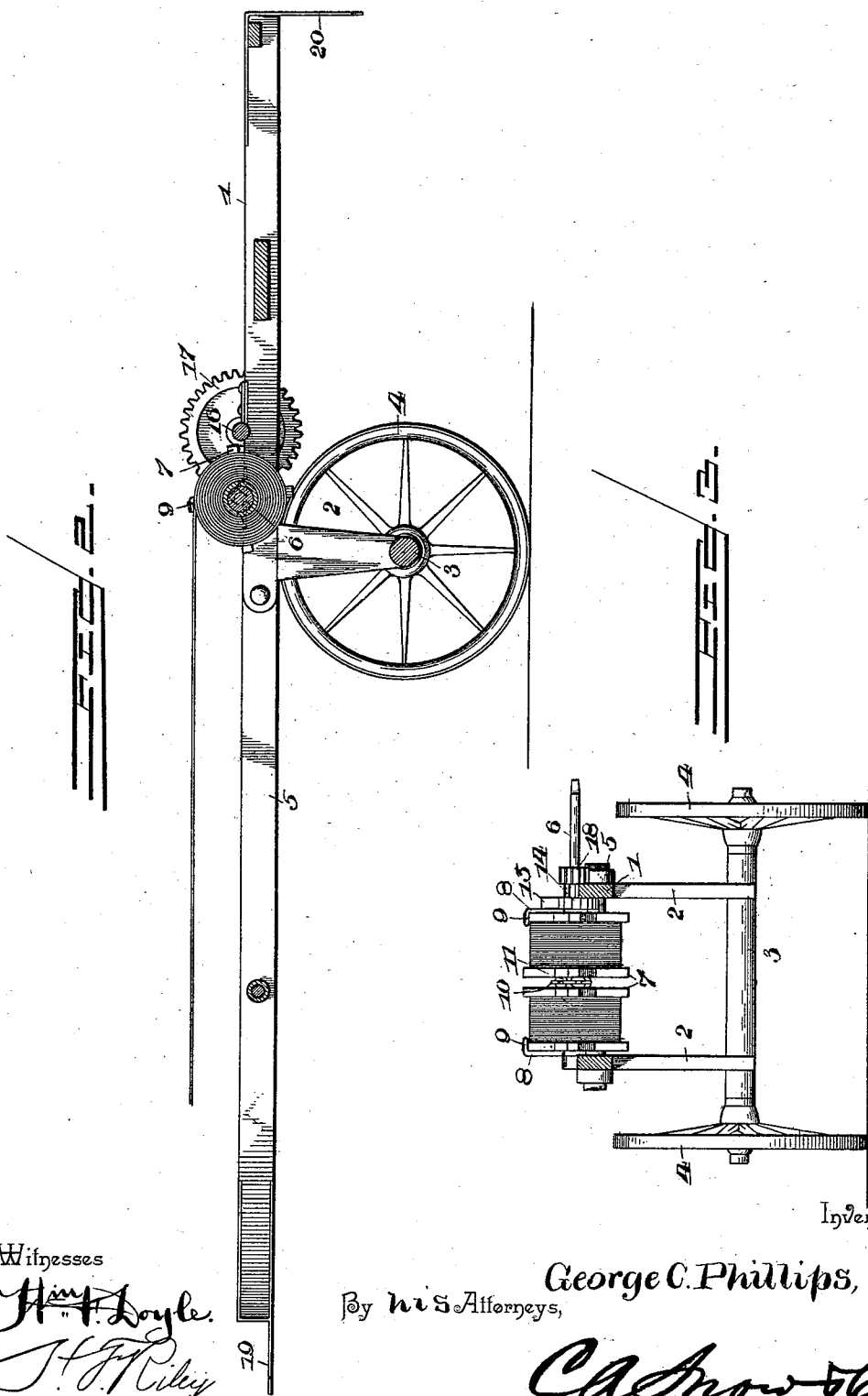
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2 Sheets—Sheet 2.

G. C. PHILLIPS.
REEL CARRIER.

No. 558,309.

Patented Apr. 14, 1896.



Witnesses

Henry F. Doyle.
J. F. Riley.

By his Attorneys,

George C. Phillips,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

GEORGE C. PHILLIPS, OF KIMBALL, NEBRASKA, ASSIGNOR OF ONE-HALF
TO PATRICK MAGINNIS, OF SAME PLACE.

REEL-CARRIER.

SPECIFICATION forming part of Letters Patent No. 558,309, dated April 14, 1896.

Application filed October 5, 1895. Serial No. 564,801. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. PHILLIPS, a citizen of the United States, residing at Kimball, in the county of Kimball and State of Nebraska, have invented a new and useful Reel-Carrier, of which the following is a specification.

This invention relates to improvements in reel-carriers.

The object of the present invention is to improve the construction of reel-carriers and to provide a simple and inexpensive one which will be adapted for paying or laying wire for fence-building and which will enable wire to be readily stretched and to be rewound on spools when it is desired to take down or remove a fence.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a reel-carrier constructed in accordance with this invention and arranged for stretching a fence-wire. Fig. 2 is a longitudinal sectional view. Fig. 3 is a transverse sectional view.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a rectangular frame composed of side bars and suitable connecting bars and provided at the inner ends of the sides with depending arms 2, on which is mounted an axle 3, provided with suitable carrying-wheels 4. A bracing-frame 5 is hinged to the front or inner end of the rectangular supporting-frame 1 and is composed of suitable side bars, having their rear or inner ends pivoted to the front or inner ends of the side bars of the frame 1. The front frame 5 is adapted to be employed as shafts or a handle in drawing the rear frame over the ground in unwinding wire for fence-building, and the two frames are adapted to be set up at an angle, as illustrated in Fig. 1 of the accompanying drawings, when it is desired to anchor the frame for stretching a wire. When the two frames are arranged as shown in Fig. 1 of the draw-

ings, the front frame 5 bears against the ends of the axle, and the structure is supported and rendered rigid by this arrangement.

The rear frame 1 has journaled on it adjacent to its front end a transverse spool-carrying shaft 6, removably journaled to enable spools to be readily placed on and removed from it, and it is preferably constructed of a size for carrying a pair of spools to enable two wires to be distributed simultaneously. The spools 7 are rigidly secured to the shaft 6 by a fastening device 8, arranged adjacent to each spool and consisting of a shank to be inserted in a perforation of the shaft and a substantially L-shaped arm 9 for engaging the adjacent spool.

The shaft 6 is provided with a central perforation for the reception of a pin 10 or other suitable fastening device for connecting one end of the chain 11 to the shaft, and the other end of the chain is provided with a clamp 12, adapted to engage a fence-wire. One end of the shaft is square and is adapted to receive a crank-handle 13, and when the shaft is rotated the chain is wound thereon and the wire is stretched, as will be readily understood. A ratchet-wheel 14 is mounted on the shaft 6 and is engaged by a pivoted pawl 15, which is pivoted to the frame and which is adapted to hold the shaft against retrograde rotation while a fence-wire is being stapled or otherwise secured to a post.

In order to enable fence-wire to be readily rewound on spools when it is desired to move or take down a fence, a counter-shaft 16 is journaled on the frame 1 adjacent to the shaft 6 and is connected with the same by a gear-wheel 17 and a pinion 18. The gear-wheel is mounted on the shaft 16 and is of much greater diameter than the pinion, and one rotation of the shaft 16 causes a number of rotations of the shaft 6, thereby enabling the rewinding operation to be rapidly performed. In stretching and unwinding fence-wire the shaft 16 is preferably removed from the frame 1, and the carrying-wheels may also be removed when the front and rear frames are set up at an angle.

The lower or outer terminals of the side bars of the front and rear frames are provided

with forwardly-projecting anchoring-points 19 and 20, adapted to be inserted in the ground to enable the apparatus to be securely anchored in stretching fence-wires.

- 5 The clamp 12, which is attached to the outer end of the chain, is composed of two members, one being secured to the chain and provided with a flange and the other having a cam-head cooperating with the flange to
10 clamp a wire.

It will be seen that the reel-carrier is exceedingly simple and inexpensive in construction, that it is adapted for carrying fence-wire and of enabling the same to be readily distributed for fence-building, and that it is capable of readily rewinding fence-wire and of stretching the wire of a fence in fence-building to the desired tension.

Changes in the form, proportion, and minor
20 details of construction may be resorted to

without departing from the principle or sacrificing any advantages of the invention.

What I claim is—

In a reel-carrier, the combination of the rear frame provided with depending arms 2, 25 arranged at one end of the frame, a transverse axle mounted on the arms at the lower ends thereof, a front frame hinged to the rear frame and forming a brace, and supported by the ends of the axle when the parts are arranged 30 to form a wire-stretcher, and winding mechanism mounted on the rear frame, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 35 the presence of two witnesses.

GEORGE C. PHILLIPS.

Witnesses:

B. L. WARNER,
I. S. WALKER.