

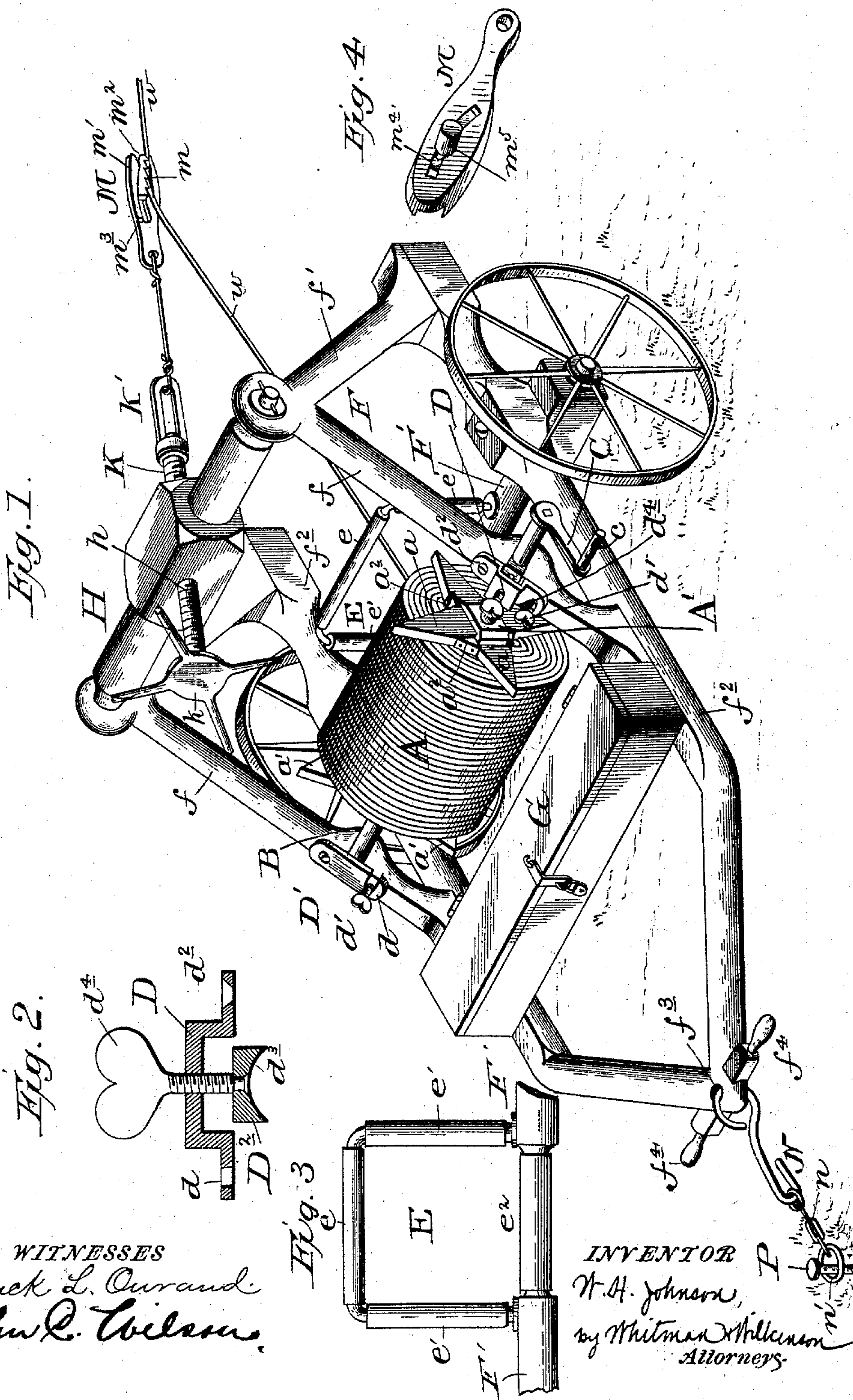
(No Model.)

W. H. JOHNSON.

COMBINED REEL CARRIER AND WIRE STRETCHER.

No. 483,355.

Patented Sept. 27, 1892.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. JOHNSON, OF SHREVEPORT, LOUISIANA.

## COMBINED REEL-CARRIER AND WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 483,355, dated September 27, 1892.

Application filed June 18, 1892. Serial No. 437,131. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. JOHNSON, a citizen of the United States, residing at Shreveport, in the parish of Caddo and State of Louisiana, have invented certain new and useful Improvements in a Combined Reel-Carrier and 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 improvements in reel-carriers and wire-stretchers for use in the construction of wire fences.

Reference is had to the accompanying drawings, wherein the same parts are indicated by the same letters.

Figure 1 represents a perspective view of the reel-carrier and wire-stretcher. Fig. 2 represents a section through the right-hand journal-clamp. Fig. 3 represents a view from the rear of the guide-frame for the wire, and Fig. 4 represents a perspective view of the opposite side of the nipper from that shown in Fig. 1.

The frame F is mounted on wheels, and on the legs *f* of said frame the wire-reel A is journaled. The shaft B passes through the open space between the staves *a*<sup>2</sup> on which the wire is wound, and at the end of this shaft a crank C and handle *c* are provided. The said journal is prevented from turning loosely in the center of the wire-reel by clamps A', which slip over the projecting portions of the cross-piece *a* and rest against the cross-piece *a*', which cross-pieces together form the head of the reel. The journal is keyed or otherwise rigidly secured to the said clamps A'. The shaft B is kept in its bearings by the clamps D and D', provided with slots *d* to receive the screws *d*' and swinging on screws *d*<sup>3</sup>. When it is desired to put the reel on the frame, the said clamps D and D' are swung clear of the bearings and the shaft having been previously put into the reel the two together are lifted into place and the clamps D and D' are swung back into position.

In order to prevent the reel A from revolving too rapidly or to clamp the same in any desired position, the journal-clamp D is provided with a clamp-screw *d*<sup>4</sup> and a block *d*<sup>3</sup>,

revolvably connected to the end of said screw and adapted to be screwed down upon the shaft to clamp the same. The other journal-clamp D' may also be provided with a similar breaking device, if desired. A frame E is attached to the axle F', carrying rollers *e* and *e*', which prevent the wire from striking the framework and at the same time center the same. The axle is protected from chafing by a loose sleeve *e*<sup>2</sup>. At the junction of the legs *f* and *f*' of the frame F a cross-piece is pivoted, having a screw-hole *h* to receive the screw K. This screw has a hand-wheel *k* at one end and a swivel *k*' at the other, to which swivel the nipper M is connected. This nipper consists of a solid piece M, having contracting jaws *m* and *m*', between which jaws the serrated wedge-shaped piece *m*<sup>2</sup> slides, and is held therein by a suitable guide-slot *m*<sup>4</sup>. Through the latter the stud *m*<sup>5</sup> passes, as shown. This stud not only keeps the grip-piece *m*<sup>2</sup> from falling out, but is also serviceable as a handle for moving the same.

A tool-box G may be placed across the bottom pieces *f*<sup>2</sup> of the frame F. These two pieces *f*<sup>2</sup> are brought together at a point *f*<sup>3</sup>, and there hand-toggles *f*<sup>4</sup> for dragging the device by hand are provided. A hook N, chain *n*, and ring *n*' are also provided for hooking on a team of horses, and also for anchoring the device by means of a stake P, as shown, whereby the machine is prevented from being dragged backward when the wire is tautened.

The operation of the device is as follows: One end of the wire being secured to the fence, the machine is dragged alongside the fence the desired distance, and is then anchored by a stake P and chain *n*, as shown. The reel is now wound up until the wire *w* is quite taut, when the reel is clamped either by screwing down the screw *d*<sup>4</sup> or in any other convenient way, and the nipper M is put on; or the nipper M may be put on by one attendant while the other holds onto the crank C. When the wire is hand-taut and the nipper M is put on, the screw K is screwed up by means of the hand-wheel *k*, and the wire is drawn as taut as desired. It is then brought in to the fence in any convenient way and secured thereto in the ordinary method.

Having thus described my invention, what



I claim, and desire to secure by Letters Patent of the United States, is—

1. In a combined reel-carrier and wire-stretcher, the combination, with a frame 5 mounted on wheels, of a wire-reel journaled across said frame, with means for winding up said reel, a screw set longitudinally in said frame, a wire-holding device attached to said screw, and means for turning said screw, substantially as and for the purposes described. 10

2. In a combined reel-carrier and wire-stretcher, the combination, with a frame mounted on wheels and a device for holding said frame against backward motion, of a 15 wire-reel journaled across said frame, with means for winding up said reel and a brake for holding the same, a screw set longitudinally in said frame and means for turning said screw, a swivel attached to said screw, 20 and a wire-holding device attached to said swivel, substantially as and for the purposes described.

3. In a combined reel-carrier and wire-stretcher, the combination, with a frame 25 mounted upon wheels, a shaft journaled across said frame, a wire-reel on said shaft, a hand-crank at one end of said shaft, and a brake for controlling the motion of said reel, of a second shaft journaled across said frame, 30 a screw passing through said shaft, having a hand-wheel at one end and a swivel at the other, and a device for nipping the wire attached to said swivel, substantially as and for the purposes described.

4. In a combined reel-carrier and wire-stretcher, the combination, with a frame 35 mounted upon wheels, a shaft journaled across said frame, a wire-reel on said shaft, a hand-crank at one end of said shaft, and a brake for controlling the motion of said reel, 40 and a guide-frame E, having rollers  $e$ ,  $e'$ , and  $e''$  for guiding the wire from said reel, of a second shaft journaled across said frame, a screw passing through said shaft, having a hand-wheel at one end and a swivel at the 45 other, and a device for nipping the wire attached to said swivel, substantially as and for the purposes described.

5. In a combined reel-carrier and wire-stretcher, the combination, with a frame 50 mounted upon wheels, a shaft journaled across said frame, a wire-reel on said shaft, a hand-crank at one end of said shaft, and a brake consisting of a brake-block  $d^3$  and screw  $d^4$ , adapted to be screwed down on said 55 shaft for controlling the motion of the said reel, of a second shaft journaled across said frame, a screw passing through said shaft, having a hand-wheel at one end and a swivel at the 60 other, and a device for nipping the wire attached to said swivel, substantially as and for the purposes described.

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

WILLIAM H. JOHNSON.

Witnesses:

GUS. H. WHITE,  
T. J. BRYSON.