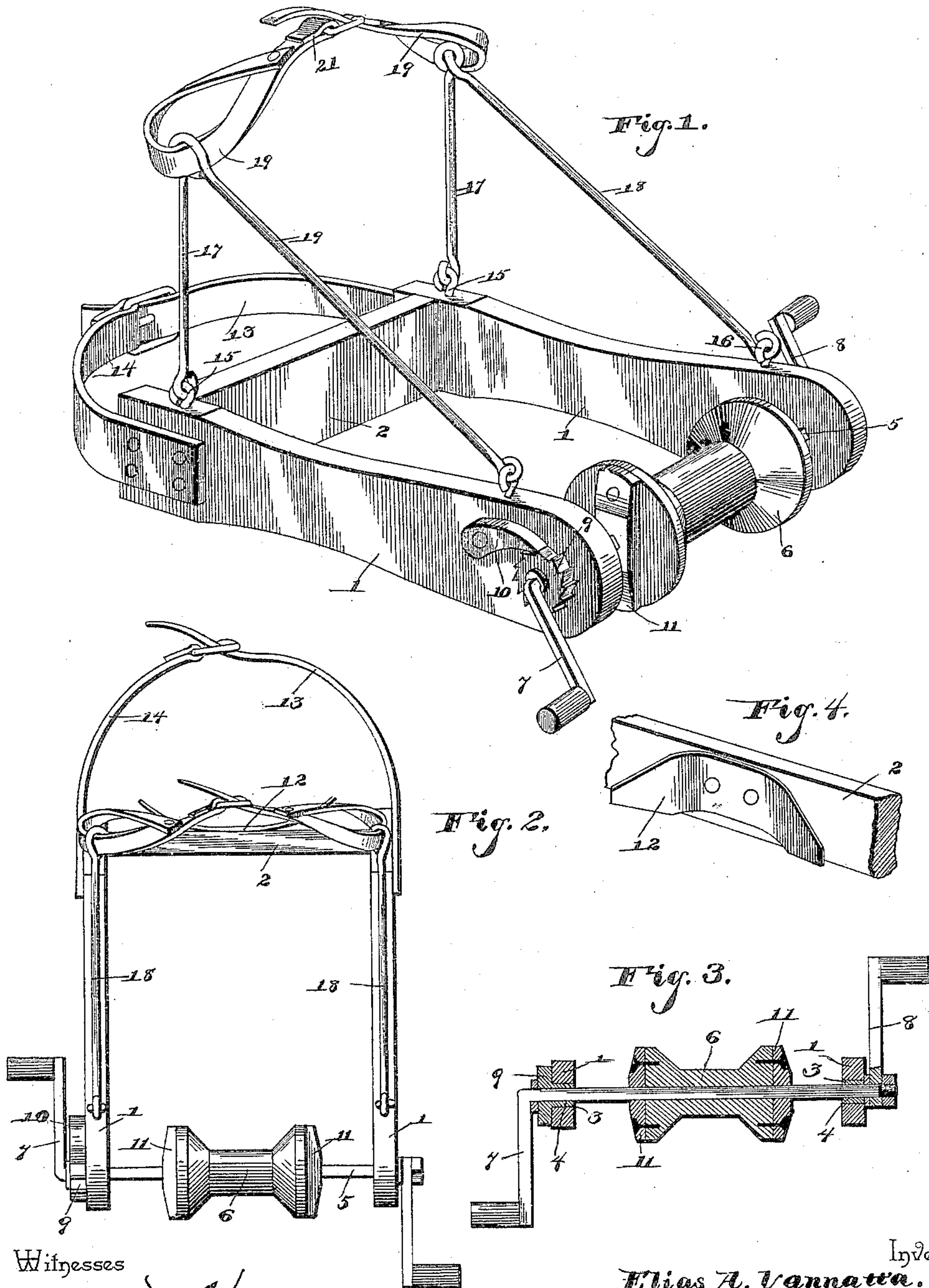


(No Model.)

E. A. VANNATTA.
WIRE REEL.

No. 446,487.

Patented Feb. 17, 1891.



Witnesses

Samuel K. Riley

By his Attorneys,

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Inventor

Elias A. Vannatta.

UNITED STATES PATENT OFFICE.

ELIAS A. VANNATTA, OF JUNIATA, NEBRASKA.

WIRE-REEL.

SPECIFICATION forming part of Letters Patent No. 446,487, dated February 17, 1891.

Application filed July 5, 1890. Serial No. 357,850. (No model.)

To all whom it may concern:

Be it known that I, ELIAS A. VANNATTA, a citizen of the United States, residing at Juniata, in the county of Adams and State of Nebraska, have invented a new and useful Wire-Reel, of which the following is a specification.

The invention relates to improvements in wire-reels.

The object of the present invention is to provide means adapted to be readily carried by the operator and capable of conveniently reeling and taking up barbed or other wire of temporary fences and of unreeling and facilitating the erection of fences.

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

In the drawings, Figure 1 is a perspective view of a reel constructed in accordance with this invention and shown applied in operative position. Fig. 2 is a plan view. Fig. 3 is a transverse sectional view. Fig. 4 is a detail perspective view.

Referring to the accompanying drawings, 1 designates the side bars of a reel-frame having their rear ends connected by a cross-piece 2 and provided at their front ends with bearings 3, in which are arranged journals 4 of a squared shaft 5. The squared shaft 5 is adapted to be removed from its bearings to receive a wire-spool 6, and is provided at one end with a stationary crank-handle 7, that

may, if desired, be formed integral with the shaft, and the other end is provided with a removable crank-handle 8, designed to be taken off the end of the shaft when the latter is removed from its bearing to receive a spool. The end of the shaft, having a stationary crank-handle 7, is provided with a ratchet-wheel 9, arranged to be engaged by a pawl 10, pivoted to the adjacent side bar, and the said shaft has intermediate of its ends clamping-arms 11, arranged to engage a wire-spool and hold it rigidly to the shaft. The reel is secured to the body of the operator, and the rear face of the cross-piece 2 has secured to it a curved plate 12, adapted to fit against the front of the body and to have sufficient spring, so that it will act in a measure like a cushion and prevent the frame bruising the body. The rear ends of the side pieces have secured to them straps 13 and 14, the latter of which

is provided with a buckle, and the said straps are designed to encircle the body of the operator and secure the frame. The side bars 1 of the frame are provided near their ends with eyes 15 and 16, to which are secured rods 17 and 18, which are provided at their ends with eyes or loops, and each has one of its eyes engaging the eyes of the side bars, and the eyes at the other ends of the bars are secured together. When the rods are in proper position, the rods 17 are vertical and the rods 18 are slanting and extend from the upper ends of the vertical rods 17 to the front of the frame, and the upper end of each slanting rod 18 has an enlarged eye in which is secured a looped strap 19, which has one of its ends secured to it within a short distance of its other end to form a loop 20, which is adapted to receive an arm of the operator. One of the extended ends 21 of these straps is provided with a buckle, and the ends 21 are strapped across the shoulders from which the weight of the frame and reel is supported.

It will readily be seen that the frame can be securely and conveniently attached to the operator, and will enable wire to be readily reeled with equal facility whether passing over open ground or through woods, thickets, and the like, and enabling temporary fences to be readily removed.

From the foregoing description and the accompanying drawings the construction, operation, and advantages of the invention will be readily understood.

Having described my invention, what I claim is—

In a reel, the combination of the frame, the spool-receiving shaft journaled at the front of the frame, the curved spring-plate 12, secured to the cross-piece 2 and adapted to receive the front of the body of an operator and to form a cushion therefor, the straps 13 and 14, designed to encircle the body, the looped straps 19, and the rods connecting the looped straps to the frame, substantially as described.

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

ELIAS A. VANNATTA.

Witnesses:

WILL. A. SLACK,
A. P. SLACK.