

No. 614,128.

Patented Nov. 15, 1898.

W. P. OWSLEY.

REEL CARRIER.

(Application filed May 31, 1898.)

(No Model.)

2 Sheets—Sheet 1.

FIG. 1.

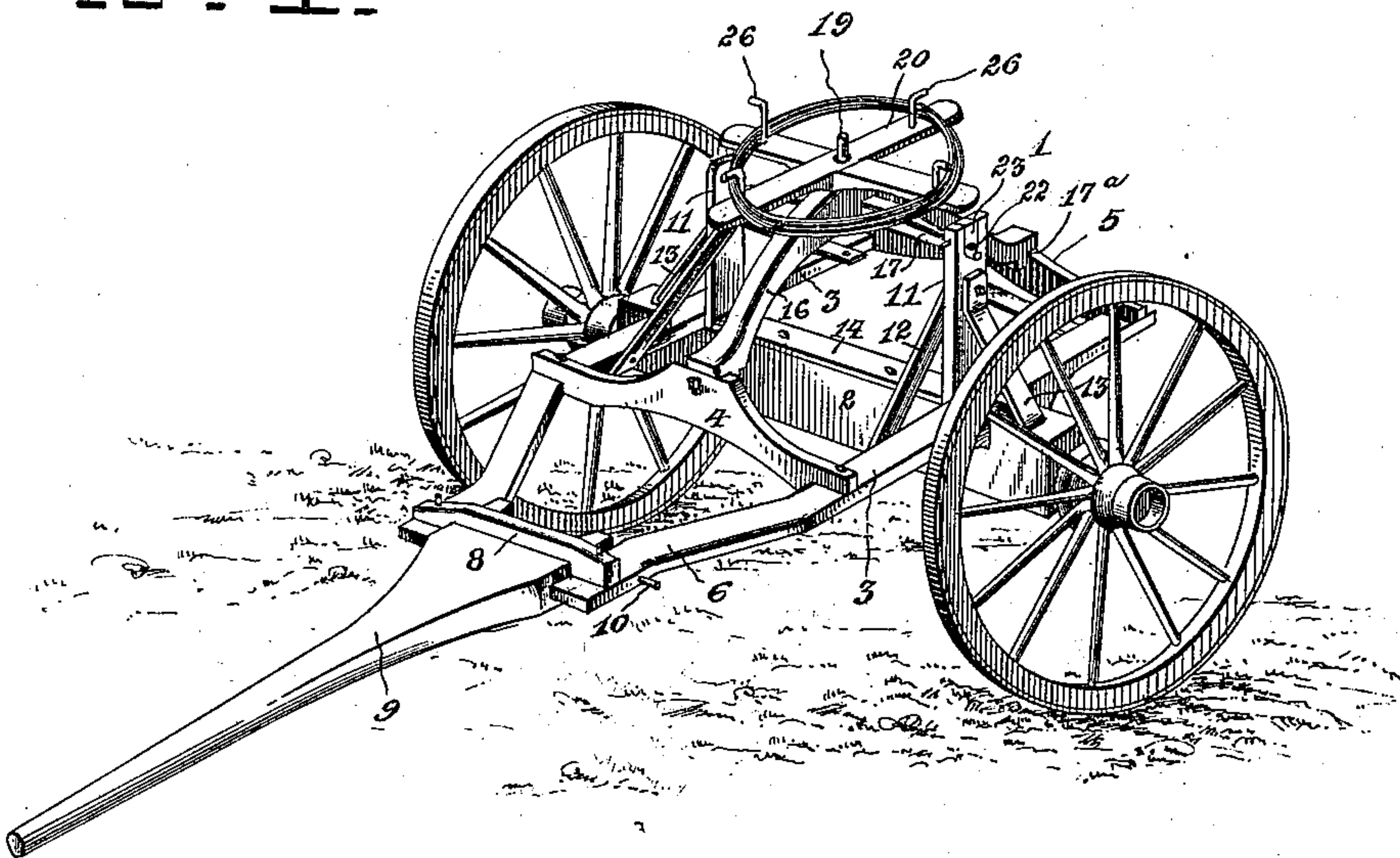
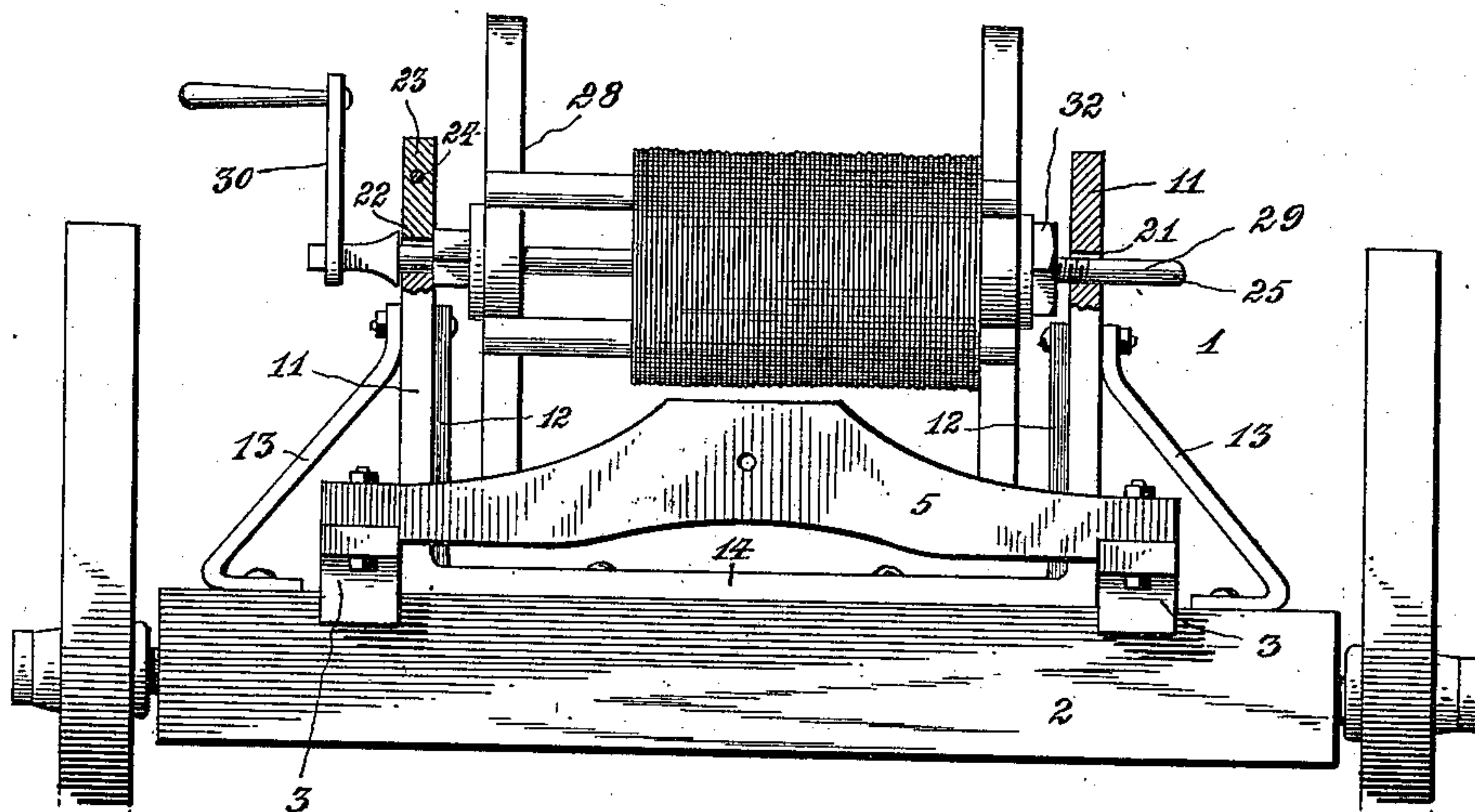


FIG. 5.



Witnesses

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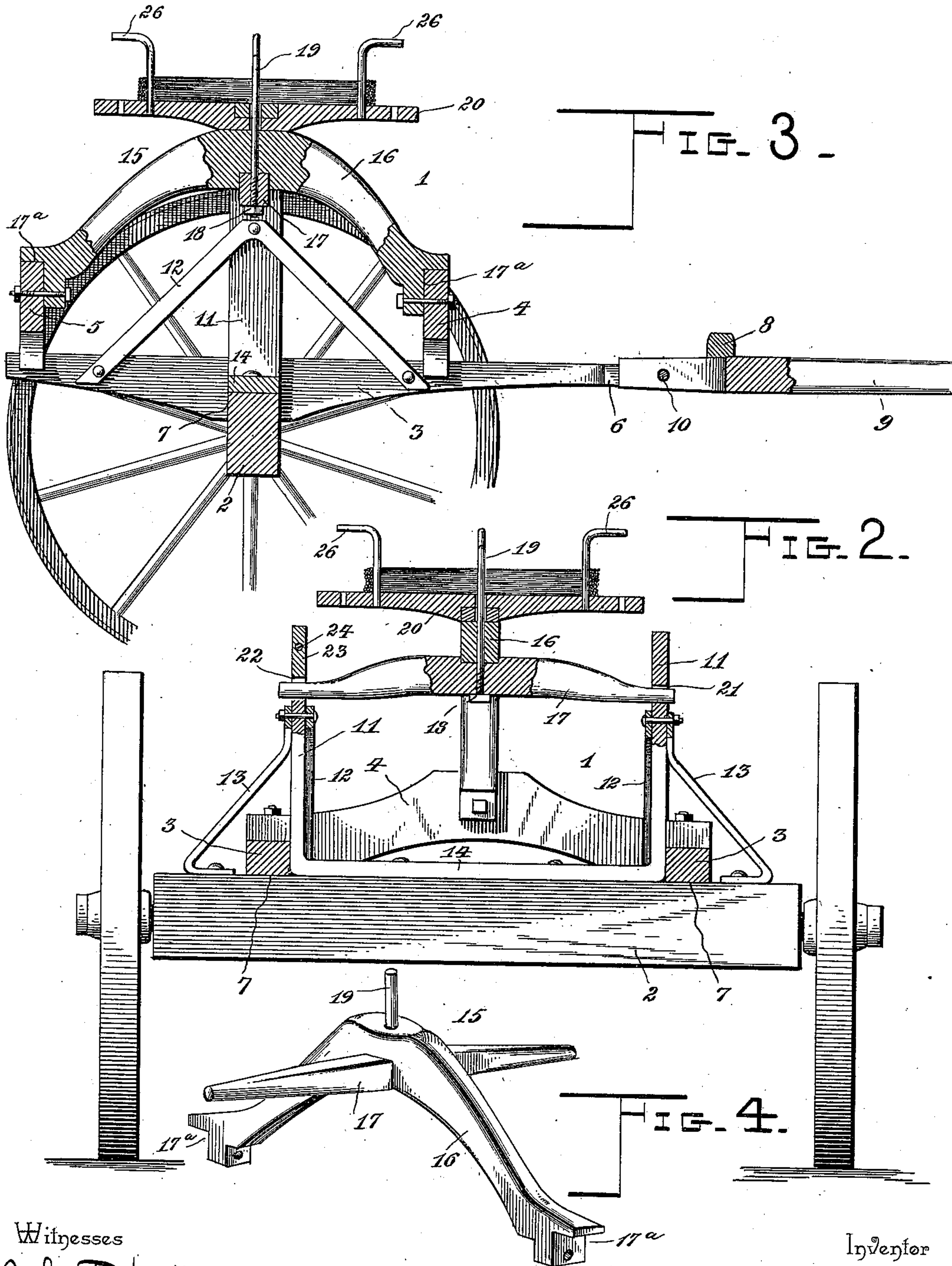
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2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

WILLIAMS P. OWSLEY, OF CYPRESS, KENTUCKY.

REEL-CARRIER.

SPECIFICATION forming part of Letters Patent No. 614,128, dated November 15, 1898.

Application filed May 31, 1898. Serial No. 682,182. (No model.)

To all whom it may concern:

Be it known that I, WILLIAMS P. OWSLEY, a citizen of the United States, residing at Cypress, in the county of Hickman and State of Kentucky, have invented a new and useful Reel-Carrier, of which the following is a specification.

The invention relates to improvements in reel-carriers.

10 The object of the present invention is to improve the construction of reel-carriers and to provide a simple and comparatively inexpensive one adapted to enable smooth and barb wire to be readily unreel for constructing a fence and capable of enabling fence-wire to be readily gathered up and wound on spools when desired.

20 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 claims hereto appended.

25 In the drawings, Figure 1 is a perspective view of a reel-carrier constructed in accordance with this invention. Fig. 2 is a transverse sectional view. Fig. 3 is a longitudinal sectional view. Fig. 4 is a detail perspective view of the spool-supporting frame. Fig. 5 is a rear elevation, the spool-supporting frame being removed and a horizontal shaft being substituted for the same.

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

35 1 designates a main frame mounted upon an axle 2 and composed of side bars 3 and front and rear transverse bars 4 and 5, connecting the side bars and bolted or otherwise secured to the upper faces of the same. The side bars 3, which have their front portions 40 6 converged to form hounds, are provided at their lower faces with recesses 7 to receive the front axle, and their front ends are connected by a transverse bar 8, forming a stop for a tongue 9, which is pivoted between the front ends of the side bars. The front ends of the side bars are parallel, as shown, to receive the tongue, which is mounted on a transverse pivot 10, and its upward movement is limited 50 by the short cross-bar 8, which prevents the

tongue from being swung upward beyond the plane of the side bars of the supporting-frame.

The main supporting-frame is provided at opposite sides with vertical standards 11, 55 mounted directly above the axle and supported by inclined braces 12 and 13, located in front and in rear and at the outer sides of the standards, which are connected at their lower ends by a horizontal bar 14, secured to 60 the axle. The standards and the horizontal bar 14 may be formed integral with each other, and the front and rear inclined braces 12 are secured to the inner faces of the standards and to the inner edges of the side bars, and 65 the outer braces are fastened to the axle at the outside of the main frame and are secured at their upper ends to the outer faces of the standards by the fastening devices which secure the upper ends of the front and rear inclined braces to the same. 70

The front and rear transverse bars 4 and 5 of the main frame are slightly arched and are recessed at their ends to provide shoulders for engaging the inner edges of the side bars 3. A spool-supporting frame or spider 75 15 is mounted upon the main frame and is composed of an arched longitudinal bar 16 and a transverse bar 17, which is centrally secured to the bar 16. The ends of the bar 80 16 are provided with recesses 17^a, receiving the central portions of the transverse bars 4 and 5 and detachably bolted to the same, the shoulders formed by the recesses 17^a being arranged at the inner faces of the bars 4 and 5. The adjacent faces of the bars 16 and 17 are centrally recessed, and the recessed portions are interlocked, as shown, and are connected by a vertical fastening device 18, passing through both bars and extended above 90 the spool-supporting frame or spider to form a spindle 19 for the reception of a spool 20.

The ends of the transverse bar 17 of the spool-supporting frame or spider are rounded and fit in bearing-openings 21 and 22 of the standards, and the said bar is detachably secured in the said openings by a block 23 and the fastening device 24, whereby the spool-supporting frame or spider may be readily removed from the reel-carrier when it is de- 100

sired to employ a horizontal shaft 25, as illustrated in Fig. 5 of the accompanying drawings.

The spool 20, which is provided with a vertical opening to receive the spindle, is composed of crossed bars centrally secured together and provided near their inner ends with upwardly-extending L-shaped arms 26, adapted to receive the wire, as clearly shown in Fig. 1 of the accompanying drawings, and extending over the same. The L-shaped arms or members 26 are detachably mounted upon the spool 20, which is provided at the arms formed by its crossed bars with series of perforations to receive the vertical portions or shanks of the L-shaped arms or members. The spool 20 is adapted especially for unreeling smooth wire, which may be readily taken off of another spool and placed on the spool 20, and wire arranged in an ordinary coil and not mounted on a spool may be arranged on the spool 20 and unreeled therefrom. In unreeling the wire the latter is attached to a fence-post and the reel-carrier is drawn along the ground by taking hold of the tongue, and the wire automatically unwinds itself from the spool as the carrier travels over the ground.

The shaft 25, which is adapted to receive an ordinary spool 28, is designed especially for handling barbed wire and is provided at one end with a crank-handle. One end 29 of the shaft is rounded and is adapted to fit in the perforation or bearing-opening 21, and the other end, which is squared to receive the crank-handle 30, is provided adjacent to the same with a rounded portion, which is journaled in the bearing-opening 22. The spool is held rigid with the shaft, when it is desired to wind up wire, by means of a nut 32, arranged on a threaded portion of the shaft near the end 29. Suitable washers are arranged at the ends of the spool and interposed between the same and the nut 32 and a shoulder at the other end of the shaft.

The invention has the following advantages: The reel-carrier, which is simple and comparatively inexpensive in construction, is adapted to provide either a vertical spindle or a horizontal shaft for the reception of a spool, and barbed or other wire may be readily unreeled from it or rewound on spools without the hands of the operator coming in contact with the wire during the reeling or unreeling operation.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What I claim is—

1. A reel-carrier comprising an axle, side bars mounted on the axle, transverse bars connecting the side bars and located in advance and in rear of the axle, standards located between the transverse bars, and a spool-supporting frame or spider composed of a longitudinal bar and a transverse bar centrally secured together and detachably mounted upon the said transverse bars and on the standards, said supporting frame or spider being provided with a vertical spindle adapted to receive a spool, substantially as described.

2. A reel-carrier comprising a main frame designed to be mounted upon an axle and composed of side bars, front and rear transverse bars connecting the side bars and standards provided with bearing-openings, said transverse bars being arched, and a spool-supporting frame or spider composed of the arched longitudinal bar detachably secured to the front and rear transverse bars of the main frame, and the transverse bar 17 centrally secured to the bar 16 and provided with rounded ends adapted to fit in bearing-openings of the standards, said supporting frame or spider being provided with a vertical spindle and being adapted to be removed from the main frame to permit a horizontal shaft to be arranged in the openings of the standards, substantially as described.

3. A reel-carrier comprising a main frame designed to be mounted on an axle having standards, a spool-supporting frame or spider detachably mounted on the main frame and provided with a vertical spindle, and a spool mounted on the vertical spindle and having horizontal arms and provided at the ends thereof with upwardly-extending L-shaped wire-receiving arms or members, substantially as described.

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

WILLIAMS P. OWSLEY.

Witnesses:

J. L. SANDERS,
J. D. WILLIAMS.