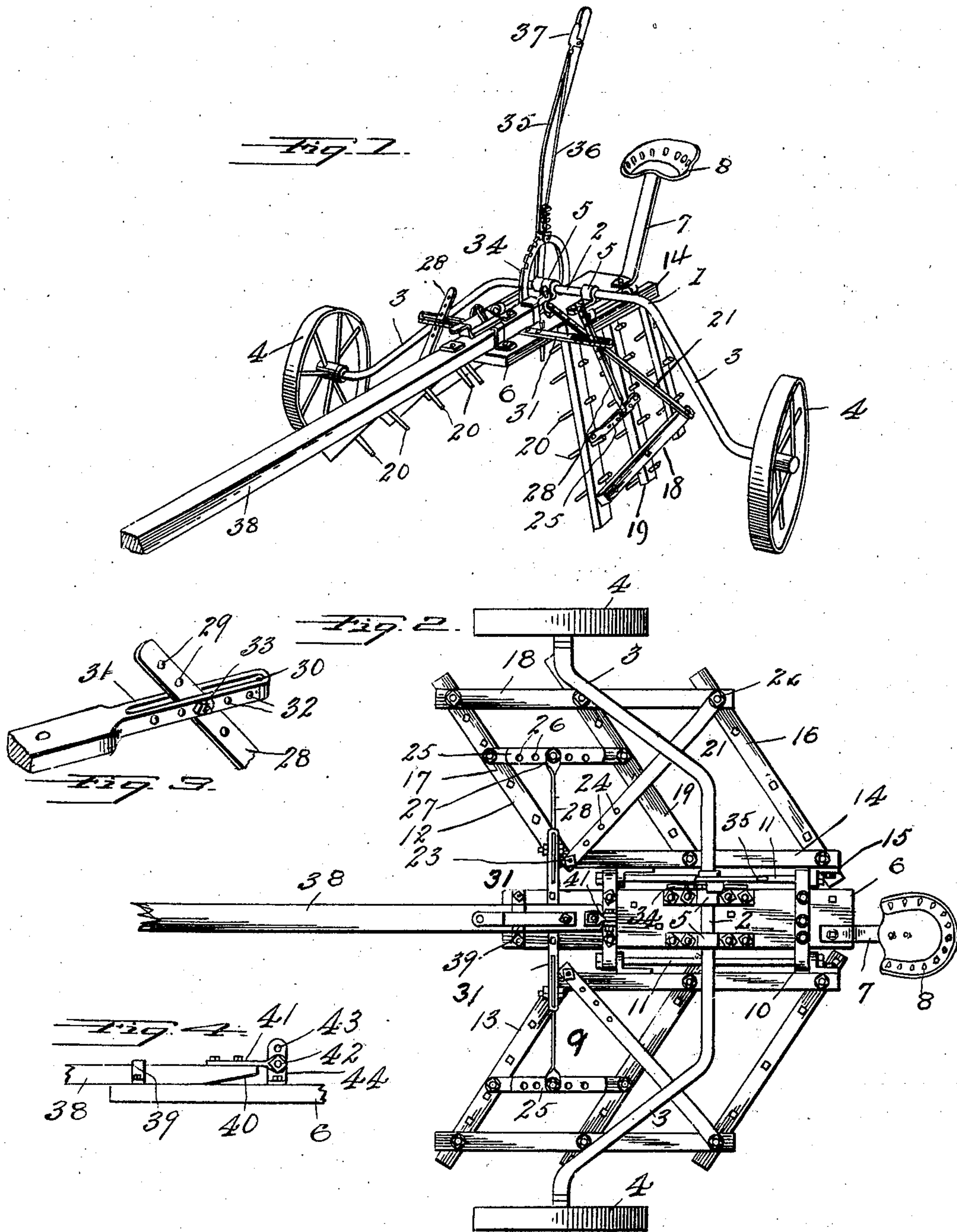


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L. PARENTI.
CULTIVATOR.

APPLICATION FILED JUNE 19, 1906.



Witnesses.

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LOUIS PARENTI, OF ISLETON, CALIFORNIA.

CULTIVATOR.

No. 847,258.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LOUIS PARENTI, a citizen of the United States, residing at Isleton, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Cultivators, of which the following is a specification.

This invention relates to new and useful improvements in cultivators; and it particularly contemplates a device for use in cultivating asparagus and similar vegetables.

The invention aims as a primary object to provide teeth-carrying frames capable of universal adjustment to adapt itself to the conditions and circumstances of use.

It is a further object of the present invention to provide a device of the type set forth which shall be simple and inexpensive to manufacture, strong and durable, and efficient and practical in use.

The detailed construction will appear in the course of the following description, in which reference is had to the accompanying drawings, forming a part of this specification, like numerals designating like parts throughout the several views, wherein—

Figure 1 is a perspective view illustrating a cultivator constructed and arranged in accordance with my invention. Fig. 2 is a top plan view thereof. Fig. 3 is a perspective view of a tongue-adjusting device employed in connection with the adjustable tooth-carrying frames, and Fig. 4 is a side elevation thereof.

In the practical embodiment of my invention I employ a wheeled support comprising a bar 1 of substantial U shape formed with a horizontal upper portion 2 and downwardly-diverging legs 3, upon the ends of which are journaled traction-wheels 4. The horizontal portion 2 of the bar 1 passes loosely through lips 5, by which said bar is secured to a base or platform 6, from which the appurtenant elements of the structure depend. A post 7, carrying a seat 8, is mounted upon the rear portion of the platform 6. Mounted at each end of the platform 6 are straps 9 and 10, which project beyond said platform on each side thereof. Rods 11, arranged in spaced parallel relation to the platform 6, are mounted between the projecting end of the straps 9 and 10, and in this disposition said rods serve as elements of the hinge which forms a positive support for the depending cultivator-frame.

In the preferred embodiment of the inven-

tion cultivating-frames 12 and 13 are arranged on each side of the plate 6 and are counterparts in construction, so that a description of a single frame and its appurtenant elements will be applicable to both of the frames. The frame 12 comprises an upper relatively stationary bar 14, carrying apertured brackets 15, which surround the rod 11, adjacent thereto, and coact therewith to form a hinge for the frame 12. The bar 14 has pivotal connection at its ends with side bars 16 and 17, which are in turn united at their lower ends by a bottom bar 18, to which they are pivoted. A central bar 19 is pivoted at its ends to the bars 14 and 18 and is arranged upon said bars so as to be constantly parallel with the bars 16 and 17 in any adjustment thereof. The bars 16, 17, and 19 are provided with teeth 20 of any approved form designed for the functions above set forth.

In their interconnected relation the several bars are strengthened by a diagonal brace-bar 21, which serves as an adjusting element and to this end has pivotal connection at its lower extremity, as at 22, at the point of union of the bars 16 and 18. The pivotal connection of the upper end of the bar 19 is adjustable and is formed by the bolt-and-nut fastening 23, which serves as a hinge or pivot for the bars 14 and 17 and which passes through any one of apertures 24, arranged in axial series in the upper portion of the bar 19, according to the adjustment of the frame desired. The frame 12 is set in any position with relation to the base 6 by suitable adjusting elements provided for that purpose and to this end is provided with a bar 25, fulcrumed between the bars 17 and 19 and arranged parallel to the bar 18. The bar 25 is provided with apertures 26, arranged in horizontal series and designed individually, according to the adjustment of the frame, for the reception of a nut-and-bolt fastening by which connection is had with an angularly-disposed post 28, formed at its upper end with an axial series of apertures 29. The post 28 projects through a slot 30 in an outstanding bracket 31, carried by the base 6. The bracket 31 is provided on each side of the slot 30 with registering apertures 32. A pin 33 passes through any selected one of the apertures 32 and 29 and forms a positive connection between the post 28 and bracket 30, the apertures 32 and 29 being brought into individual registry according to the suspen-

sion adjustment of the frame with relation to the base 6.

The base 6 carries on one side thereof a longitudinally-arranged U-shaped rack-bar 5 34, and the bar 1 carries a substantially vertical lever 35, which is provided with a sliding spring-pressed pawl 36, operated by a pivoted auxiliary handle 37. The tongue 38, by which the draft is established, passes 10 loosely through a clip 39, secured to the forward portion of the base 6. As shown in Fig. 4, said tongue is provided at its rear end with an inclined or beveled underneath face 40, by which the position of the tongue with relation to the base 6 is compensated in any ad- 15 justment of said base. Said tongue carries at its rear end a projecting member 41, provided with an eye through which passes a connection 42, designed to engage in any selected one of a series of apertures 43, ar- 20 ranged in a vertical post 44, rigidly carried upon the base 6 and which may be, if desired, an intergal part of the strap 9.

In practical use the frames 12 and 13 are 25 adjusted with a view to changing their dimensions, and, proportionately, the intervals between the teeth 20 by the bar 21 in the manner above intimated. Adjustment is effected relatively between the frames 12 and 30 13 and the base 6 at the point of connection of the post 28 and bracket 30. The base 6 is in turn raised or lowered with the frames in any desired adjustment thereof by the proper movement of the lever 35, which is set in any 35 selected position by the engagement of the pawl 36 with the rack-bar 34.

While the elements herein shown and de-

scribed are well adapted to serve the functions set forth, it is obvious that various minor changes may be made in the propor- 40 tions, shape, and arrangement of the several parts without departing from the spirit and scope of my invention as defined in the appended claims.

Having fully described my invention, I 45 claim—

1. A device of the type set forth embodying a longitudinal base, a wheeled support upon which said base is carried, rectangular frames pivotally depending from said base on 50 each side thereof, each of said frames comprising bars having pivotal connection with one another at their ends, means for adjustably regulating the angular disposition of said bars and means for raising and lowering 55 said frames to any selected fixed position.

2. A device of the type set forth embodying a base, a wheeled support upon which said base is carried, frames depending from said base on each side thereof and compris- 60 ing interconnected pivoted bars, means for varying the angular relative disposition of said bars, means for adjustably positioning said frames with relation to said base, and a compensating element for said last-named 65 means and adjustable with relation thereto, depending on the adjustment of said first-named means.

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

LOUIS PARENTI.

Witnesses:

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