

A. Hunt,

Cultivator.

No. 95,352.

Patented Sept. 28, 1869.

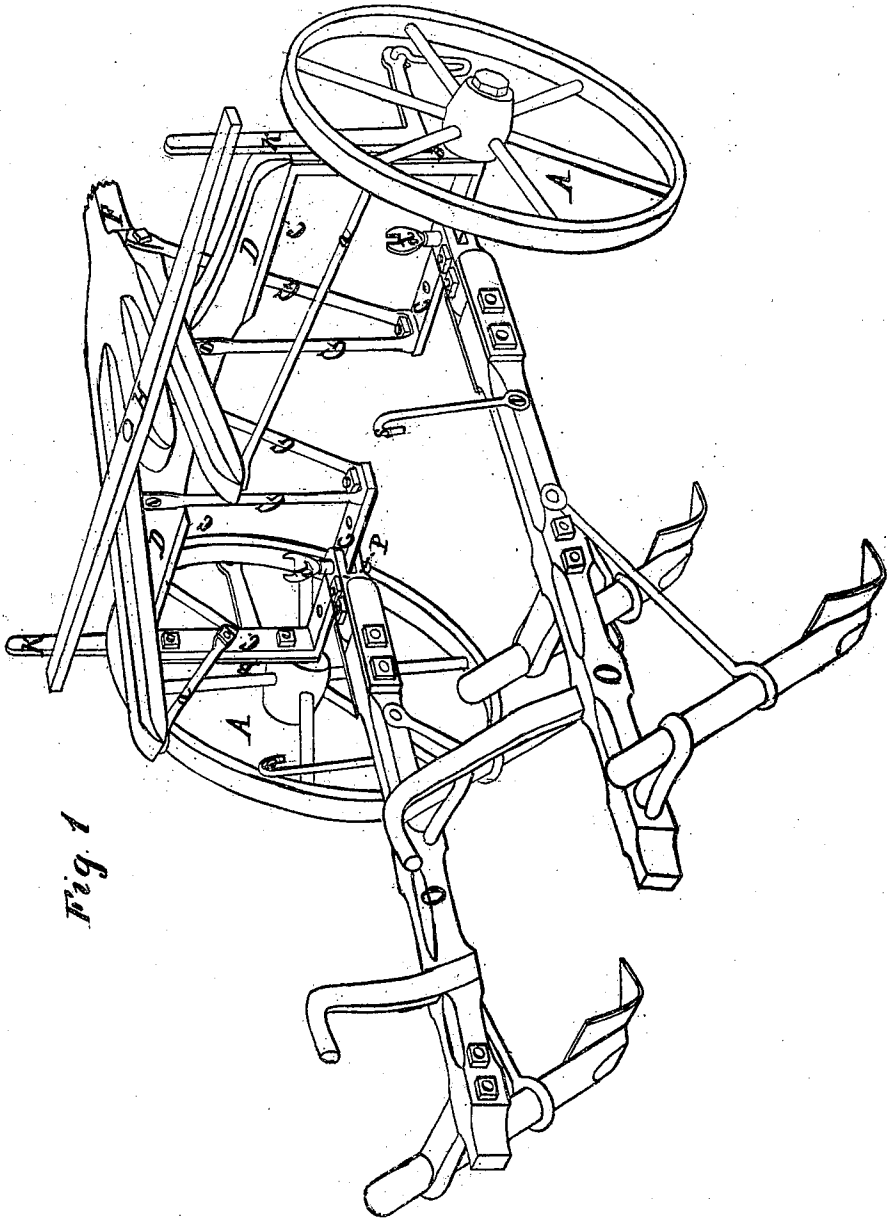


Fig 1

Witnesses
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 D. D. Kane

Inventor
 A. Hunt
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2. Sheets, Sheet 2.

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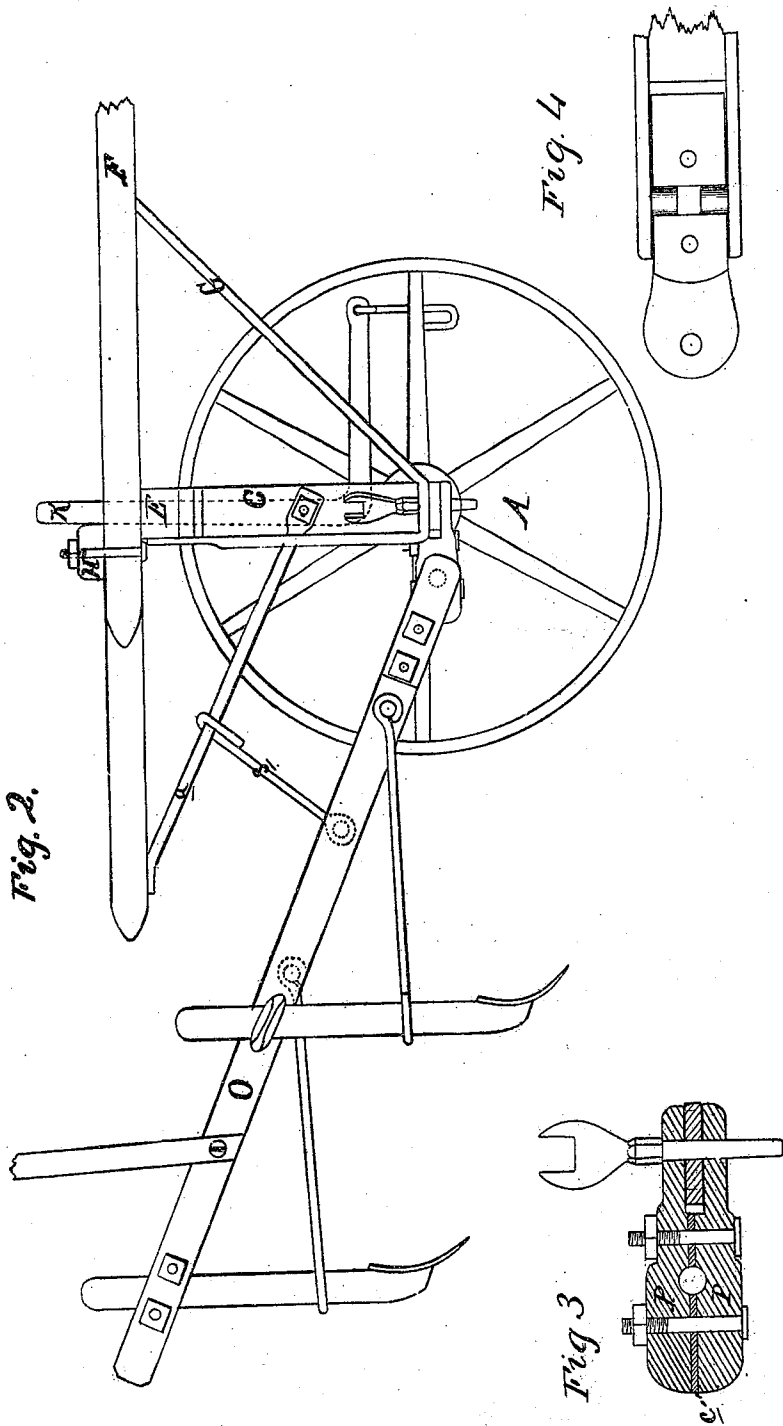


Fig. 2.

Fig. 4

Fig. 3

Witnesses
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UNITED STATES PATENT OFFICE.

ALMON HUNT, OF MACOMB, ILLINOIS.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. 95,352, dated September 28, 1869.

To all whom it may concern:

Be it known that I, ALMON HUNT, of Macomb, in the county of McDonough and State of Illinois, have invented a new and valuable Improvement in a Machine for Cultivating Corn and other Crops; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my invention. Fig. 2 is a sectional view of the same. Figs. 3 and 4 are details.

My invention relates to cultivators; and it consists, mainly, in a novel arrangement of devices designed to serve as efficient means for the purpose named.

The letters A of the drawings represent the wheels of a sulky-cultivator, and the letters B two firm bars that serve as the axle thereof. These bars are respectively turned upward at a point immediately adjoining the wheel-hubs, and are firmly riveted to the perpendicular parts of the frames C, next mentioned.

The letters C represent frames consisting of strong plates of metal or wood, bent or framed so as to form three sides of a square. They are respectively riveted to the vertical parts of the axles B at their sides and to the cross-beam D at their tops, in the manner shown.

The letter D represents a cross-beam riveted to and resting upon the upper horizontal parts of the frames C.

The letter F represents the neap, and letters G braces connecting the same and the cross-beam with the extreme inner ends of the lower horizontal parts of the frames C.

The letter H represents a pivoted bar resting upon the top of the neap, as shown, and letters K are equalizing draft-bars, bent and pivoted as shown, to work in conjunction with the bar H in regulating and equalizing the draft upon the team.

It will be observed that between the two frames C there is a space of considerable width, and that the cross-bar D is elevated above the same to a great height. This arrangement is made to provide for cultivating corn after it has grown too tall for cultivation by ordinary machines.

The letters *a* represent braces extending from the upright sides of frames C to the rear end of the neap.

The letters O represent my plow-beams with the plows attached.

My method of attaching the plow-beam to the machine is as follows, namely: I make pin-holes in the lower horizontal parts of the frames C, adapted to receive and hold the pins *d*. I make also clamps consisting of two plates of metal, with a plate of india-rubber between them, and fasten said plates firmly together in the manner shown on Fig. 3 of the drawings, leaving spaces in their front ends adapted to clasp over the bar of the frame C, as shown on Fig. 1. The pins *d*, respectively, are passed through the jaw parts of these clamps, and thereby a connection is formed with the frames C. The clamps above described are marked P on the drawings.

To connect the clamps B with the plow-beams, respectively, I attach plates of metal to the sides of said beams and pass a pivot-pin through said plates and through said clamps at a point near the longitudinal center of said clamps.

By my peculiar method of attaching the clamps to the frames and the plow-beams double joints or hinges are formed, which permit the plows to be moved up or down or sidewise at will.

I attach hooks *s* to the plow-beams, adapted for attachment to the braces *a*, for the purpose of suspending the plows from the ground, when desirable so to do, for transportation or otherwise.

The india-rubber plates between the plates forming clamps P are marked *c* on the drawings.

What I claim as my invention, and desire to secure by Letters Patent, is—

The cultivator herein described, having frames C, bars D, equalizing-bar B, clamps P, and plates *c*, arranged with reference to the beams O, as described, constructed and arranged substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ALMON HUNT.

Witnesses:

L. G. REID,
WILLIAM ERVIN.