No. 636,753. Patented Nov. 14, 1899.

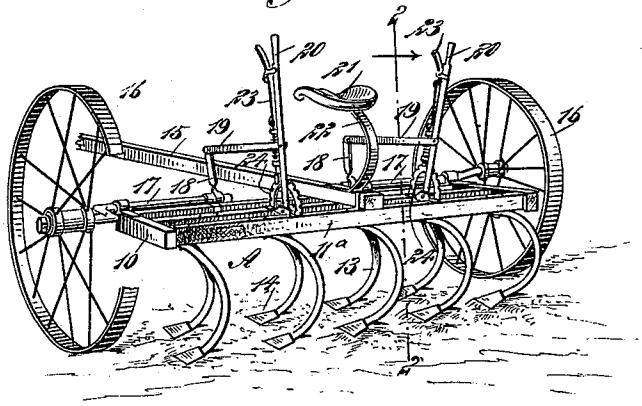
D. G. BURKHART.

CULTIVATOR.

(Application filed Jan. 11, 1899.)

(No Model.)

Fig. 1.



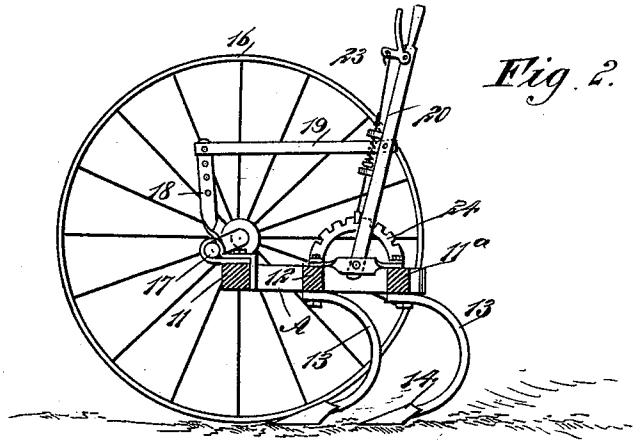
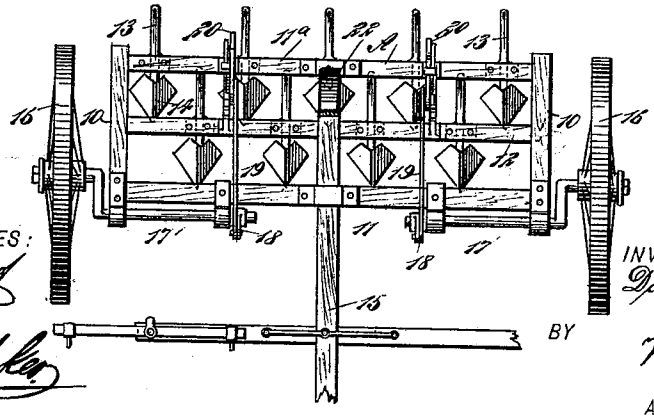


Fig. 2.

Fig. 3.



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DANIEL G. BURKHART, OF DAYTON, WASHINGTON.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 636,753, dated November 14, 1899.

Application filed January 11, 1899. Serial No. 701,817. (No model.)

To all whom it may concern:

Be it known that I, DANIEL G. BURKHART, of Dayton, in the county of Columbia and State of Washington, have invented a new and useful Improvement in Cultivators, of which the following is a full, clear, and exact description.

The object of the invention is to improve upon the construction of cultivators for which Letters Patent were granted to J. D. Burkhart June 24, 1890, No. 430,828, the improvement being such that each of the ground or supporting wheels of the machine may be independently adjusted, so as to to admit of the other end of the machine-frame being raised or lowered, as desired, or whereby both of the ends may be simultaneously and equally raised or lowered.

It is a further object of the invention to provide a frame which will be light, simple, and durable and which may be constructed of wood or of angle-steel, and, furthermore, to provide a frame with stationary beams.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved machine viewed from the rear, a portion of one of the supporting-wheels being broken away. Fig. 2 is a vertical section taken substantially on the line 2 2 of Fig. 1, and Fig. 3 is a plan view of the machine.

The frame A is preferably rectangular, as shown, and may be constructed of wood or of metal. Usually, however, angle-steel is preferred. The said frame generally comprises side beams 10, front and rear beams 11 and 11^a, and an intermediate horizontal beam 12. The plow-beams 13 are stationarily attached to the frame A, being secured to the frame-beams 11^a and 12, and the plow-beams extend downward from the frame, being curved in any desired direction, and each plow-beam carries at its lower end a shovel 14 or any other form of a share. The tongue 15 of the machine is secured firmly to the frame at its center, and each supporting or ground wheel 16 is mounted to slide upon an independent crank-axle 17. Each crank-axle is provided with a crank-arm 18 at its inner end, and each crank-arm is adjustably connected by a link 19 with a lever 20, the two levers employed being independent of one another and pivoted upon the frame A at opposite sides of the driver's seat 21, the standard of which seat is designated by the reference-numeral 22. Each lever is fitted with the usual thumb-latch 23, arranged to enter the teeth of a rack 24, secured to the frame. Under this construction it is evident that the frame may be raised or lowered independently at each side, that both sides may be correspondingly and simultaneously raised or lowered, and that the entire machine is not only simple and durable, but economic in its construction and effective in its operation.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A cultivator, having a frame with a tongue projecting forwardly therefrom, two axles mounted at the front of the frame and respectively near the sides thereof, each axle having its outer end provided with a rearwardly-disposed crank-arm, a wheel carried by each of said crank-arms, a crank secured to the inner end of each axle, a link in connection with each crank, and hand-levers mounted on the frame and connected with the links, by which to adjust the axles.

DANIEL G. BURKHART.

Witnesses:
WILL. H. FOUTS,
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