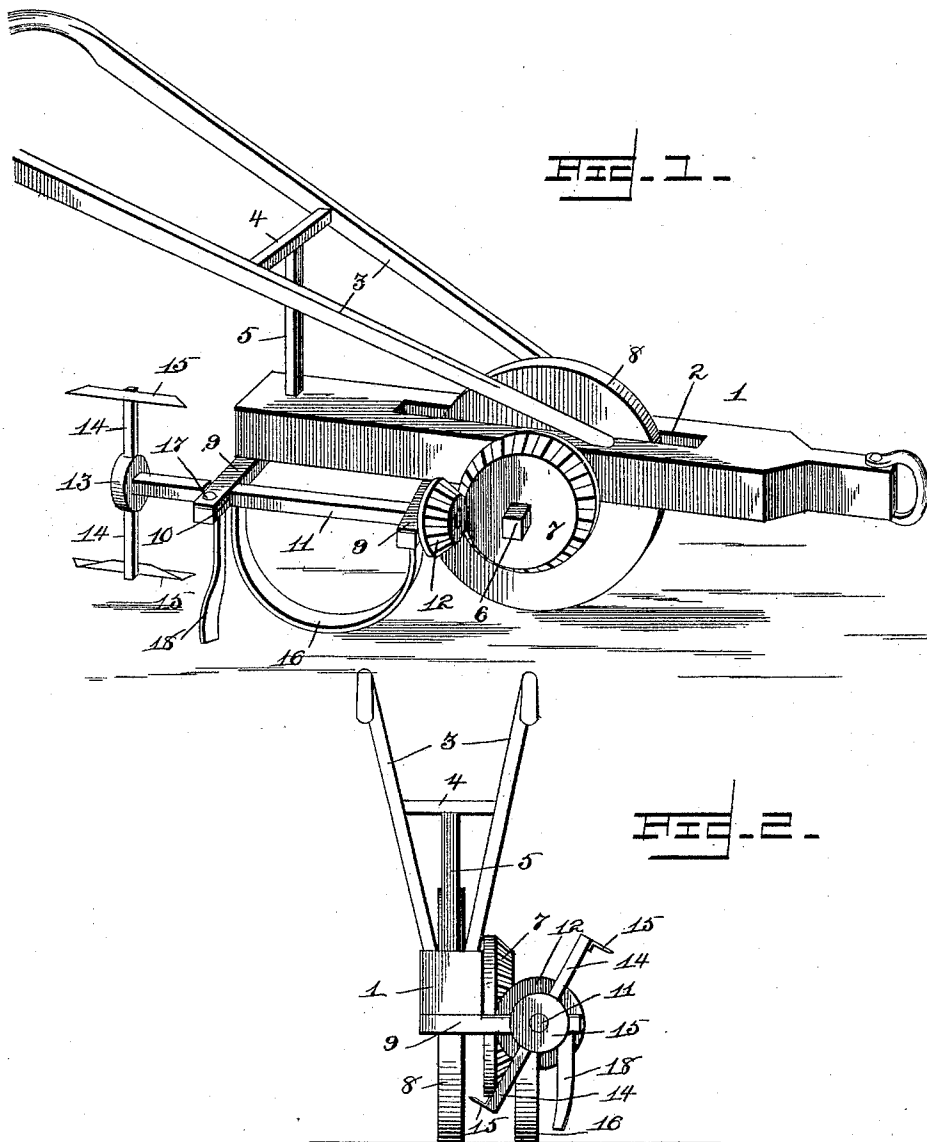


(No Model.)

J. A. PINKSTON.
COTTON CHOPPER.

No. 467,623.

Patented Jan. 26, 1892.



Witnesses

Inventor

E. S. Duwall Jr.
W. S. Duwall.

By his Attorneys,

James A. Pinkston

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UNITED STATES PATENT OFFICE.

JAMES ALEXANDER PINKSTON, OF EXCELSIOR, GEORGIA, ASSIGNOR OF ONE-HALF TO JAMES LAWTON HIERS, OF SAME PLACE.

COTTON-CHOPPER.

SPECIFICATION forming part of Letters Patent No. 467,623, dated January 26, 1892.

Application filed September 22, 1891. Serial No. 406,510. (No model.)

To all whom it may concern:

Be it known that I, JAMES ALEXANDER PINKSTON, a citizen of the United States, residing at Excelsior, in the county of Bullock and State of Georgia, have invented a new and useful Cotton-Chopper, of which the following is a specification.

This invention relates to improvements in cotton-choppers; and the objects in view are to provide a cheap and simple machine adapted to be drawn along the side of a row of cotton and effectually thin or chop the same, so as to form stands at suitable intervals apart.

A further object in view is to provide a suitable fender, adapted to remove obstacles from the path of the hoes, so as not to interfere with their operation.

Other objects and advantages of my invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a perspective of a cotton-chopper constructed in accordance with my invention. Fig. 2 is a rear elevation of the cotton-chopper.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates an ordinary beam or stock, which is provided between its ends with a longitudinal slot or opening 2, from the opposite sides of which rise rearwardly-disposed plow-handles 3, connected by a cross-bar 4 and supported by a standard 5, interposed between the bar 4 and the rear ends of the beams. Bearings are formed in the under side of the beam, and mounted for rotation therein is a transverse axle or shaft 6, one end of which extends beyond its bearing, is there squared, as shown, and receives a beveled master-gear 7. Within the slot 2 of the stock or beam there is mounted fixedly upon the shaft or axle a ground-wheel 8, through the medium of which the axle is rotated.

Laterally-disposed arms 9 extend from the stock or beam immediately in rear of the gear 7, and in bearings 10, formed in the outer extremities of the arms, a longitudinally-disposed rotatable chopping-shaft 11 is mounted. The ends of the shaft extend beyond the bearings and upon the front end a beveled gear 12 is mounted, the same engaging with the master-gear 7. The rear end of the shaft

11 receives a disk 13, and from the same radiate arms 14, at the ends of which are located transversely-disposed chopping blades or hoes 15.

A runner 16, bowed as shown, has its ends securely bolted to the arms 9 and serves as a runner or guide for the machine, by which the latter is steadied during its operation.

Bolted to the outer extremity of the rear arm 9, as at 17, or otherwise connected, is a depending blade or fender 18, the same having its body given a quarter-twist, as shown, whereby it is adapted by reason of its location to gently press the cotton-plants at the opposite side of the machine out of the path of the cutters, whereby the cutters are not impeded in their rotation and can act with their full effect upon the row of cotton-plants, along the left-hand side of which the machine is drawn.

From the foregoing description, in connection with the accompanying drawings, it will be obvious that by my invention I provide a machine of great simplicity, strength, and durability, and adapted rapidly and accurately to chop rows of cotton, forming the same into stands to be afterward hilled by hand or machine.

Having described my invention, what I claim is—

In a cotton-chopper, the combination, with the slotted stock having bearings and in rear of the same laterally-disposed arms having bearings, of a ground-wheel located in the slot, an axle mounted in the bearings and passed through the ground-wheel and rigid therewith, a gear mounted on the outer end of the axle, a cutter-shaft mounted in the bearings of the arms, a gear mounted on the inner end of the shaft and meshing with the gear on the axle, a chopping device mounted on the rear end of the shaft, a bowed runner connected to the ends of the arms, and a fender depending from the rear arm outside of the runner, substantially as specified.

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

JAMES ALEXANDER PINKSTON.

Witnesses:

M. J. KENNEDY,
JOHN G. JONES.