

J. M. GARRETT.
Cotton-Choppers.

No. 146,061.

Patented Dec. 30, 1873.

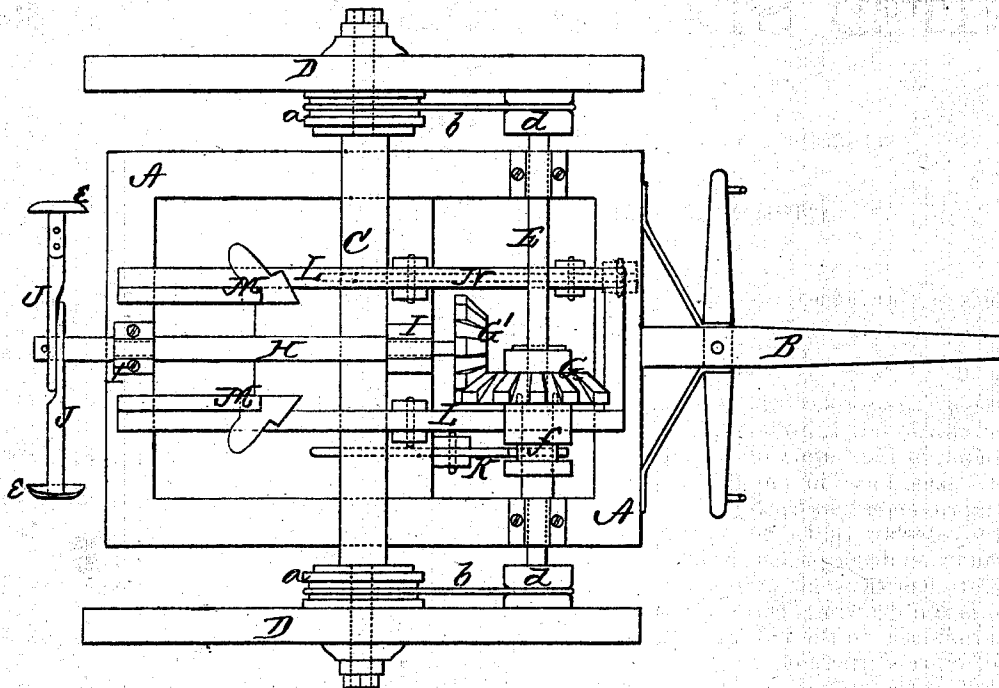


Fig. 1.

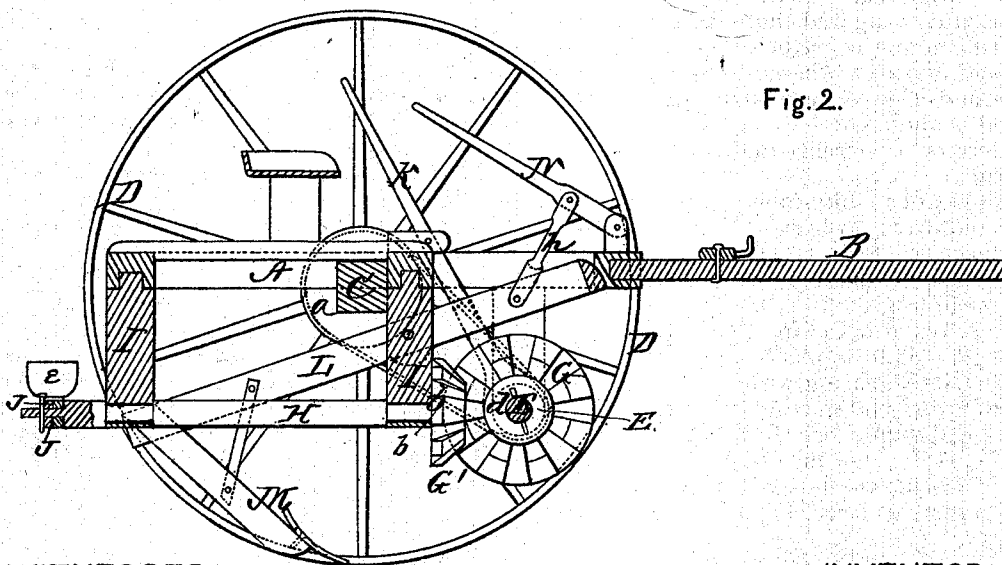


Fig. 2.

WITNESSES.

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JOSEPH M. GARRETT, OF BRENHAM, TEXAS.

IMPROVEMENT IN COTTON-CHOPPERS.

Specification forming part of Letters Patent No. **146,061**, dated December 30, 1873; application filed August 16, 1873.

To all whom it may concern:

Be it known that I, JOSEPH M. GARRETT, of Brenham, in the county of Washington and State of Texas, have invented a new and valuable Improvement in Cotton-Choppers; 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 my machine in plan view, and Fig. 2 is a longitudinal section of the same.

My invention relates to the class of machines used for cultivating and chopping cotton; and it consists in the construction and novel arrangement of parts, whereby a simple, cheap, durable, and effective machine for the purposes designed is obtained.

Like letters of reference indicate corresponding parts.

A represents a sulky-frame, with tongue B, axle C, and driving-wheels D D. On the inner side of each wheel D is a grooved pulley, *a*, connected by a belt or cord, *b*, with a pulley, *d*, on the end of a shaft, E, which is situated in suitable boxes near the front end of the frame A. On this shaft is placed a beveled cog or miter wheel, G, gearing with a similar wheel, G', on the front end of a shaft, H, which runs longitudinally under the frame A in suitable bearing-bars I I. On the rear end of the shaft H are attached two slotted bars or shanks, J J, each having a hoe, *e*, on its outer end. The

shanks J J can be extended or contracted at will, thus adjusting the hoe-blades *e e* out and in, as desired. K is a lever, pivoted to the main frame A, and its lower end forked, grasps a clutch, *f*, on the shaft E, to move said clutch close to or away from the miter-wheel G, and thus make the same revolve with the shaft or not, as desired; or, in other words, throw the revolving hoes in and out of gear. Under the frame A is hung a three-sided rectangular frame, L, the rear end of which is open and the front end closed, bears against the under side of the front cross-bar in the frame. To the rear end of this frame are attached cultivator-plows M, of any suitable construction. N is a lever, pivoted to the front end of the main frame A, and connected, by a bar, *h*, with the swinging frame L, in front of its point of attachment, by means of which the plows may be raised out of the ground when desired.

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

In combination with the frame A, carrying a cotton-chopper operated by belted gearing from the traction-wheel D D, the swinging frame L, plow-standard M, lever N, and connecting-bar *h*, substantially as specified.

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

JOSEPH M. GARRETT.

Witnesses:

C. C. GARRETT,
H. M. FURMAN.