W. T. YOUNG & W. D. MOODY.

Cotton-Chopper.

No. 213,489. **Patented Mar. 18, 1879.**

Fig. 1.

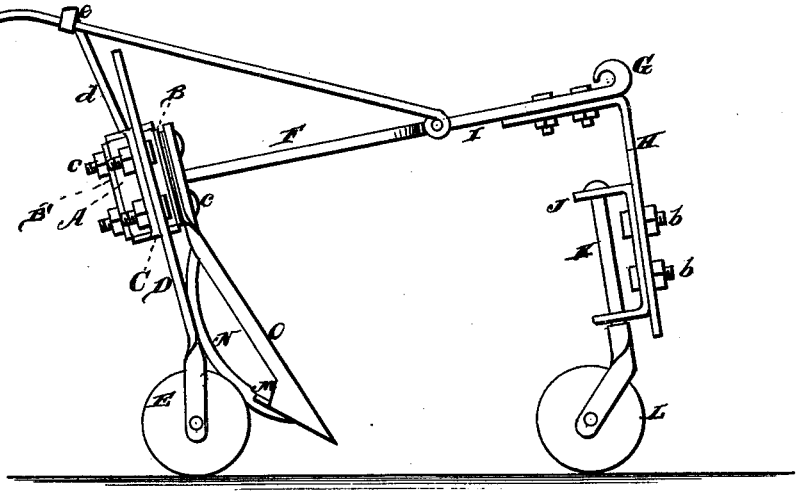

Fig. 2.

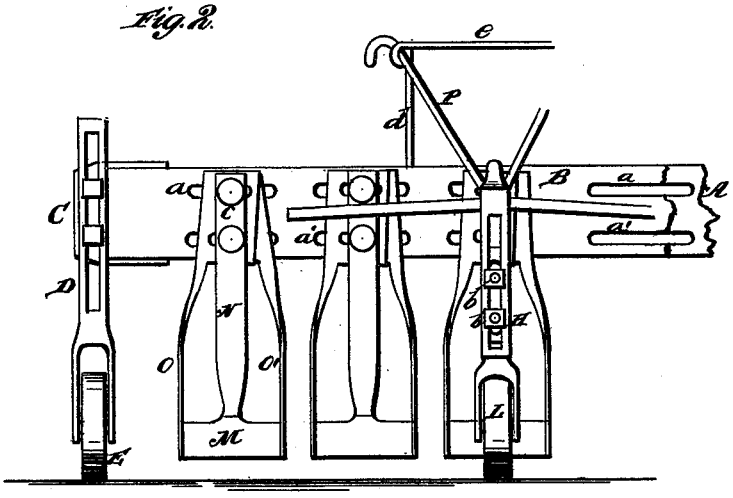

Fig. 3.

WITNESSES

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WILLEY T. YOUNG AND WILLIAM D. MOODY, OF WALNUT GROVE, ALA.

IMPROVEMENT IN COTTON-CHOPPERS.

Specification forming part of Letters Patent No. **213,489**, dated March 18, 1879; application filed January 11, 1879.

To all whom it may concern:

Be it known that we, WILLEY T. YOUNG and WILLIAM D. MOODY, of Walnut Grove, in the county of Etowah and State of Alabama, have invented a new and valuable Improvement in Cotton-Choppers; and we 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 side elevation of our cotton-chopper. Fig. 2 is a front view of the same, partly broken away to show our improvement; and Fig. 3 is a detail view of the adjustable guard.

This invention has relation to cotton-choppers; and it consists in the improvements in the construction of the same hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings similar letters of reference indicate corresponding parts in the several figures.

A represents the main beam, having upper and lower transverse slots, *a a'*, and front and rear face-plates, B B'.

The ends of the beam A are provided with projecting perforated flanges C C, to which slotted standards D D are bolted, so as to be vertically adjustable.

The lower ends of the slotted standards D D are bifurcated, and furnish bearings for the journals of the supporting-wheels E E.

A forked draft-beam, F, extends forward from the beam A a short distance; and the forks unite, and are provided with rectangular perforations and a draft-hook, G.

A perforated and slotted angle-iron, H, is secured to the portion I of the draft-beam F by bolts, so as to be adjustable longitudinally thereunder, and the slotted portion depends therefrom.

A slotted clip, J, furnishing bearings for the vertical shaft K of a caster-wheel, L, is secured by bolts *b b* to the depending arm of the angle-iron H, so as to be vertically adjustable, for the purpose of adjusting the draft-beam F.

The hoes M are bolted to the lower ends of the curved shanks N, and the latter, except the central one, are laterally adjustable upon the beam A by means of the bolts *c c* and lateral slots *a a'*, to regulate the distance between the hoes.

Guards O O', twisted to bring their cutting-edges foremost, are interposed between the curved shanks N and the front face-plate, B, and are also adjustable in a manner similar to the shanks N themselves.

The object of the guards O O' is to prevent the cotton from being covered when the chopper is passing over the rows of cotton.

The machine is run across the rows of cotton; and the object of having the caster-wheel horizontally adjustable upon the draft-beam A is that it may be made to conform to the different widths of cotton-rows—that is to say, where the rows are close together the caster-wheel should be adjusted closer to the hoes, and where the rows are farther apart the caster-wheel should be adjusted farther from the hoes, in order to cause the hoes and the wheel to pass over the ridges at the same time and keep the hoes level when they act upon the cotton-ridges.

The object of having the supporting-wheels and the caster-wheel vertically adjustable is to produce uniformity in the depth of the hoes irrespective of the height of the cotton-ridges.

Handles P are connected to the draft-beam F at their front ends, and are supported by standards *d d*, and connected by a cross-bar, *e*, having hooked ends, at their rear ends.

The operation of our invention is obvious.

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

1. In a cotton-chopper, the combination of the beam A, supported on the wheels E E, provided with the vertically-adjustable slotted standards D D, with the draft-beam F and the slotted and perforated angle-iron H, carrying vertically-adjustable caster-wheel J K L, substantially as and for the purpose set forth.

2. In a cotton-chopper, the combination of the slotted beam A *a a'* with the laterally-adjustable curved shanks D' and the laterally-adjustable guards O O', substantially as and for the purpose set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

WILLEY T. YOUNG.
WILLIAM D. MOODY.

Witnesses:
C. F. WHITLY,
V. H. DEAN.