(No Model.)

E. H. NORTHCUTT.

COMBINED COTTON CHOPPER AND CULTIVATOR.

No. 263,425. Patented Aug. 29, 1882.

Fig. 1.

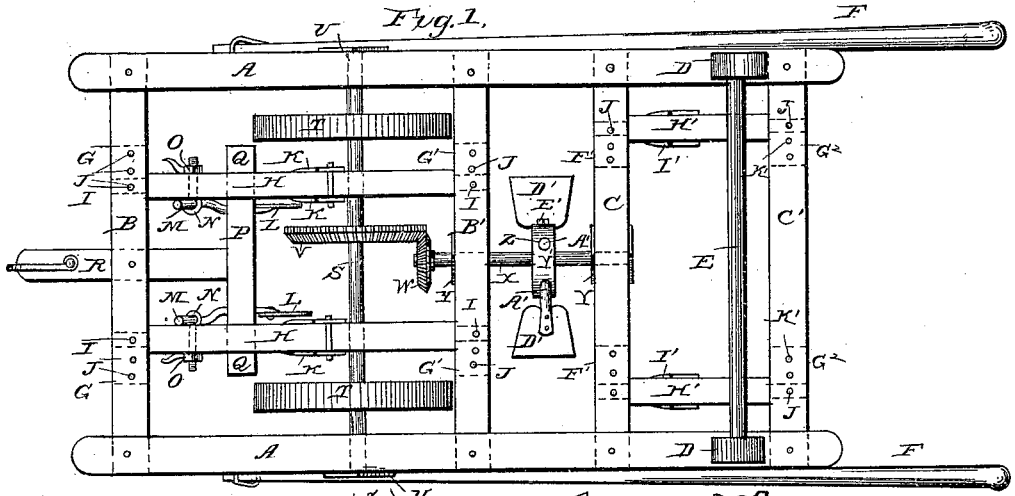


Fig. 2.

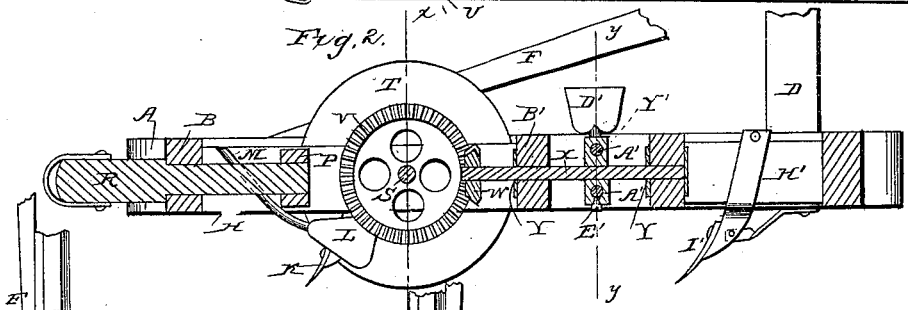


Fig. 3.

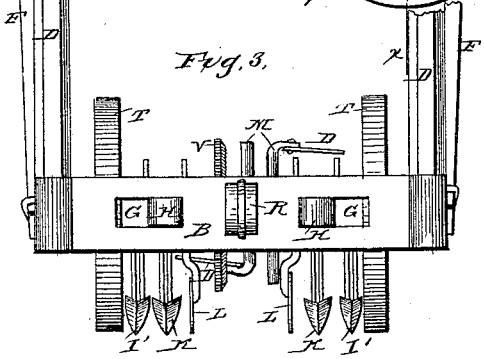


Fig. 4.

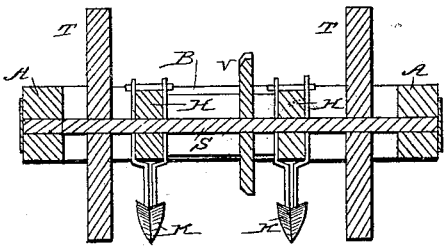
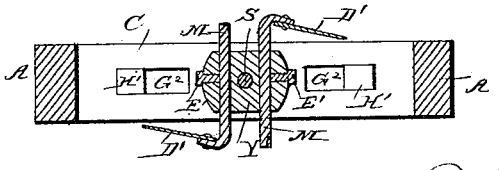


Fig. 5.



WITNESSES:

Fred. L. Dieterich.

Jno. W. Stockett.

INVENTOR.

E. H. Northcutt

by C. A. Snow & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ELIJAH H. NORTHCUTT, OF ACWORTH, GEORGIA.

COMBINED COTTON CHOPPER AND CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 263,425, dated August 29, 1882.

Application filed June 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, E. H. NORTHCUTT, of Acworth, in the county of Cobb and State of Georgia, have invented certain new and useful Improvements in Combined Cotton Choppers and Cultivators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to combined cotton choppers and cultivators, and has for its object to provide a simple, durable, inexpensive, and efficient machine. To this end it consists in certain improvements in the construction and operation of the same.

In the drawings, Figure 1 is a perspective view; Fig. 2, a vertical longitudinal sectional view; Fig. 3, a front end view; Fig. 4, a cross-section on the line *x x*, Fig. 2; Fig. 5, a like view on the line *y y*, Fig. 2.

Referring by letter to the drawings, A A designate the longitudinal side beams or bars of the frame, which are connected by cross-beams B B′ forward and cross-beams C C′ in the rear, a considerable space being left between the different cross-beams, as shown.

D D are two upright standards, mounted on side pieces, A A, at their rear ends, and connected by a cross-piece, E. F F are the handles supported by said standards.

The cross-pieces B B′ are each provided near their ends with longitudinal slots G G and G′ G′, respectively, in which are adjusted the ends of two parallel longitudinal plow or cultivator beams, H H, by means of pins or bolts I, passing down through one of the series of perforations J in the beams B B′ and through the ends of the beams H H. Thus by adjusting said pins or bolts the beams H are laterally adjustable in the slots G and G′.

K K are cultivators, secured on the laterally-adjustable beams H H, adjoining the inner side of which are clod fenders or breakers L L, the shank or tangs M of which project forwardly and upwardly through eyes N on beams H H, in which they are vertically adjustable by means of a suitable tightening-nut, O, adapted to bind against the side of the beams to tighten the hold of the eye on the tangs.

P is a transverse brace or guide support for beams H H, its ends Q Q passing through slots in the latter, and having secured at its center the draft-bar R.

S is the main axle of the machine, carrying the drive-wheels T T, fixed thereon, and having bearings U U in side pieces, A A, and passing through beams H H. On the rotary axle is fixed a bevel-gear wheel, V, engaging a bevel-pinion, W, on the end of a longitudinal chopper-shaft, X, having bearings Y Y in beams B′ and C.

Y′ is a block fixed on shaft X between beams B′ and C, provided with perforations Z, through which pass the shanks or tangs A′ of the hoes or cutters D′, to render the latter radially adjustable in said perforations by set-screws E′.

The beams C C′, at the rear end, have slots F′ F′ G^2 G^2, respectively, to accommodate the ends of laterally-adjustable parallel beams H′ H′, carrying cultivators I′ I′, and having adjusting pins or bolts J, working in perforations K′, all being substantially the same as the arrangement of beams B B′, except that the cultivators I′ are held adjusted in a plane outside of the plane of the cultivators K.

The operation and advantages of my invention will be readily understood. Motion is communicated from the main rotary axle to drive the chopper-shaft. As the machine advances the forward cultivators straddle the row of cotton, while the rear cultivators, which are wider apart, follow after the cotton has been chopped and bank up the earth to form the hills. Under some circumstances the latter cultivators may be dispensed with.

I claim and desire to secure by Letters Patent—

In a cotton-chopper, the combination of the cross-beams B B′ of the frame, having slots G G and G′ G′, respectively, the longitudinal parallel beams H H, having their ends adjustable laterally in said slots, and carrying the cultivators and rearwardly-extending fenders, and draft-bar R, having cross-bar P at its rear end, the ends of which pass through openings in beams H H, to brace and guide the same in lateral adjustment, as set forth.

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

ELIJAH H. NORTHCUTT.

Witnesses:

JNO. D. WHITE,

W. R. MONTGOMERY.