

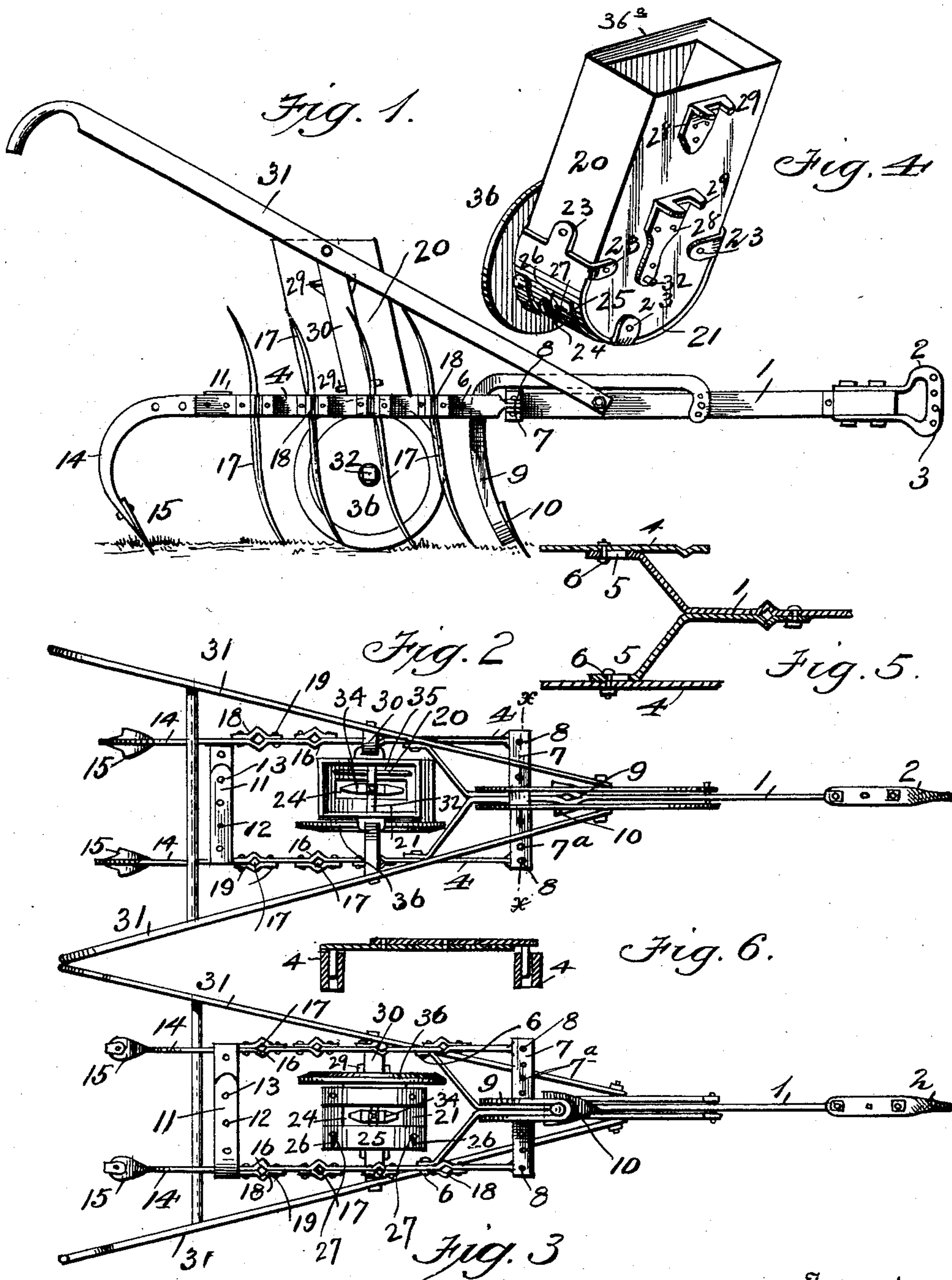
No. 608,456.

Patented Aug. 2, 1898.

D. H. HUNTER.
COTTON PLANTER.

(Application filed Feb. 8, 1898.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

DAVID HENRY HUNTER, OF LA GRANGE, GEORGIA.

COTTON-PLANTER.

SPECIFICATION forming part of Letters Patent No. 608,456, dated August 2, 1898.

Application filed February 8, 1898. Serial No. 669,571. (No model.)

To all whom it may concern:

Be it known that I, DAVID HENRY HUNTER, a citizen of the United States, and a resident of La Grange, in the county of Troup and State of Georgia, have invented certain new and useful Improvements in Cotton-Planters; 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.

My invention relates to cotton-planters; and its object is to provide an improved construction of the same, by which I secure important advantages with respect to efficiency in use.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a cotton-planter constructed in accordance with my invention. Fig. 2 is a plan view of the same. Fig. 3 is a bottom view. Fig. 4 is a detail perspective view. Fig. 5 is a detail horizontal sectional view of the beam. Fig. 6 is a detail transverse sectional view on the line *xx*, Fig. 2.

In the said drawings the reference-numeral 1 designates the beam, made in two parts, one of which is extended forwardly and provided at the end with a clevis 2, formed with a number of holes 3. The rear ends of these bars 35 are bent outwardly and connected with side bars 4. The bars 1 are formed with slots 5, through which pass bolts 6, by which they are secured to the bars 4.

The numeral 7 designates a two-part cross-bar provided with a number of holes 7^a, to which the front ends of bars 4 are adjustably connected by bolts 8. Secured to the beam 1 is a cultivator-standard 9, consisting of a single piece of metal bent over at the center, forming two arms which embrace the beam. This standard is secured to the beam, and its lower end is curved, as seen in Fig. 1, and a cultivator-shovel 10 is secured to its lower end. The rear ends of the bars 4 are adjustably connected by two inwardly-extending bars 11, provided with holes 12, through which

passes a bolt 13. They are also provided with cultivator arms or standards 14, having shovels 15. At suitable points the bars 4 are formed with bends or depressions 16 to receive reversible rake-teeth 17, which are secured in place by brackets 18 and bolts 19. Any number of these teeth desired may be employed.

The numeral 20 designates the vertically-movable seedbox, provided at the lower end with a rounded metal bottom 21, formed with ears 23, bent at an angle and screwed to the sides of the box. This bottom is provided with a central slot or opening 24, the width of which may be varied by a slide 25, formed with slots 26, through which pass headed bolts 27. Secured to the sides of the seedbox are guide-lugs 28, having projections 29, which embrace bars 30, connected with the handles 31, the lower ends of which are secured to the extension of the beam. The lower ends of the lower set of lugs are extended downwardly, so as to form bearings for the axle 32, passing through the seedbox. This axle is provided with a toothed wheel 34 and with arms 35. The bars 30 are bent outwardly at the upper ends, so that when the distance between the bars 4 is increased they can be removed from the handles and be reversed and again secured to the handles without altering their shape. These bars at the lower ends are secured to the side bars 4. Secured to one end of the said axle is a wheel 36, which runs on the ground.

In use the planter is drawn over the ground as usual, the seedbox moving vertically, so as to pass over irregularities, and falling by its weight when such irregularities have been passed. The wheel 36 will turn the axle and the toothed wheel and arms thereon, forcing the seed out of the slot or opening in the bottom of the box. The width of this slot may be varied by means of the slide.

When it is desired to widen the planter, the front ends of the bars 4 are disconnected from the cross-bars 7 and moved inwardly and the bolts 8 then passed through new holes in the cross-bars. At the same time the inwardly-extending bars at the rear of bars 4 are disconnected and the said ends spread apart. Before this is done, however, the bars

30 are disconnected from the handles and bars 4 and reversed or turned around and then again secured.

The seedbox at the upper end is provided
5 with a flaring hopper 36^a.

Having thus fully described my invention, what I claim is—

1. In a cotton-planter, the combination
10 with the two-part beam having the inner ends bent outwardly and formed with slots, the cross-plates secured to said beam formed with
a number of holes, the side bars, the pins
passing therethrough and through said slots
and the front ends of said bars connected
15 with said cross-plates and the overlapping bars at the rear ends of said side bars provided with a number of holes, and the bolts
passing therethrough, of the seedbox and
means for connecting it with said side bars,
20 substantially as described.

2. In a cotton-planter, the combination
with the beam, the cross-plates secured there-

to provided with a number of holes, the adjustable side bars connected therewith, the
inwardly-extending bars at the rear ends 25
thereof provided with a number of holes, the bolt passing therethrough, the handles secured to the beams and the bars having their
upper ends bent at angles and secured thereto, and the lower ends secured to said side 30
bars, of the vertically-movable seedbox, the curved bottom formed with a slot or opening, the axle, the ground-wheel at the outer end thereof, the toothed wheel and arms and the
lugs on the seedbox embracing said bent bars, 35
and the lower lugs extended to form bearings for the axle, substantially as described.

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

DAVID HENRY HUNTER.

Witnesses:

O. A. BULL,

J. T. HUNTER.