

No. 633,446.

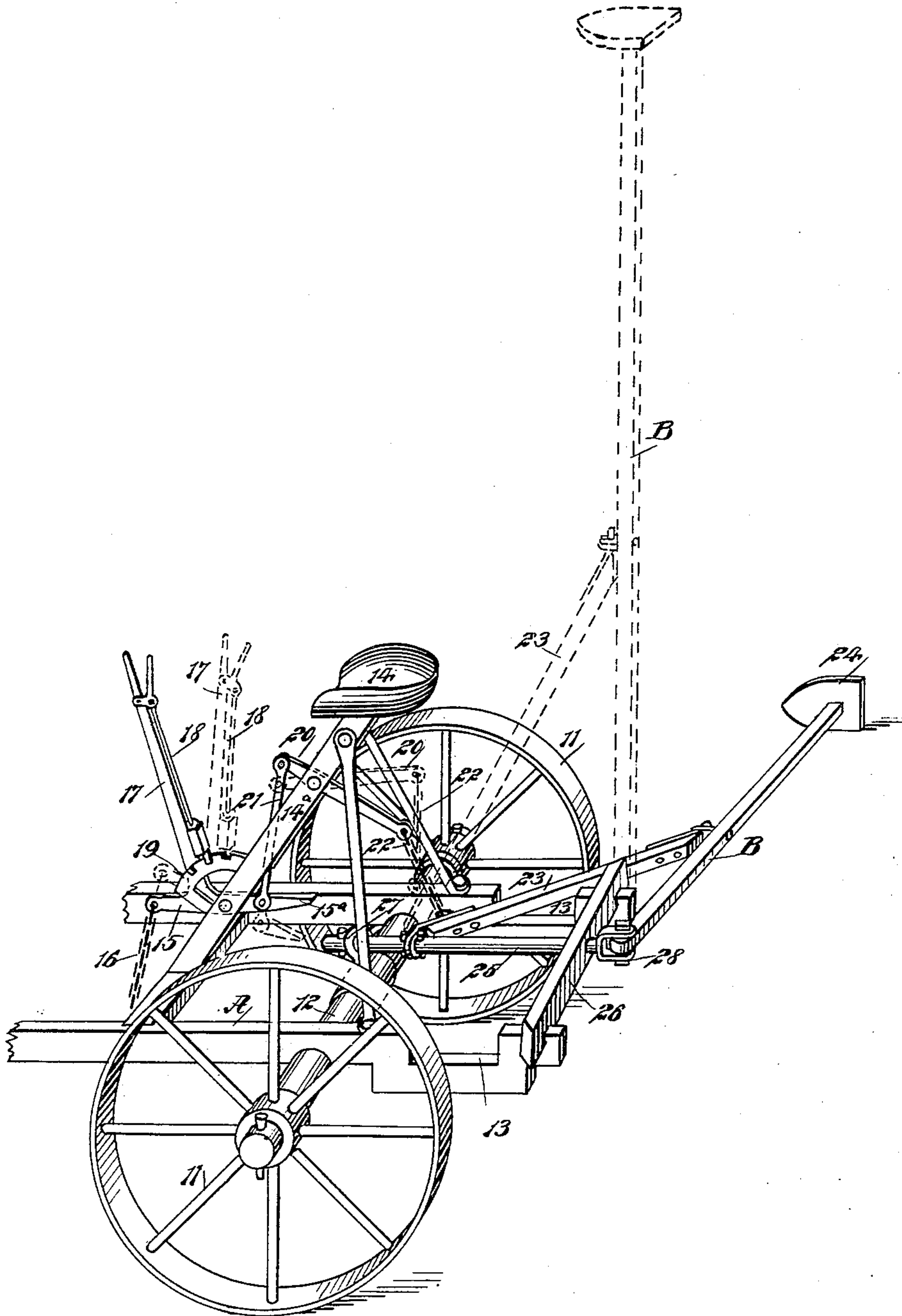
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J. GILMOUR.

MARKER ATTACHMENT FOR PLANTERS.

(Application filed June 28, 1899.)

(No Model.)



WITNESSES:

*Donn Twitchell*  
*J. F. Fitcher*

INVENTOR

*John Gilmore*  
BY *Munn*  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

JOHN GILMOUR, OF TROY GROVE, ILLINOIS.

## MARKER ATTACHMENT FOR PLANTERS.

SPECIFICATION forming part of Letters Patent No. 633,446, dated September 19, 1899.

Application filed June 28, 1899. Serial No. 722,192. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN GILMOUR, of Troy Grove, in the county of La Salle and State of Illinois, have invented a new and Improved  
5 Marker Attachment for Planters, of which the following is a full, clear, and exact description.

My invention relates particularly to a means for changing the gage or marker for corn-planters; and the object of the invention is  
10 to provide a simple system of levers which will enable the driver without leaving his seat to raise the runner of the marker out of the ground and throw the gage or marker to the right or left, as required, and simultaneously  
15 raise the shovels or cultivator-wheels.

Another object of the invention is to provide a means whereby the gage or marker may be held in an upright position and readily  
20 dropped to the side.

Another object of the invention is to avoid the use of the check or guide rope usually employed to manipulate the gage or marker, and thus obviate the necessity of the driver passing the reins over said rope at each change  
25 of gage.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawing, forming a part of this specification, which is a perspective view of the improved attachment, the marker or gage being shown  
30 in two positions.

The frame A is adapted for attachment to the rear of the planter in any approved manner, and said frame is supported by wheels 11, and the said wheels are mounted to turn  
35 upon an axle 12, properly secured to the frame.

The frame A likewise supports a driver's seat 14, the main standard 14<sup>a</sup> of said seat being bifurcated.

A main lever 15 is fulcrumed between its ends at the bottom portion of the seat-standard 14<sup>a</sup>, and the rearwardly-projecting section  
45 15<sup>a</sup> of this main lever 15 is adapted to be operated by the foot of the driver when such operation is most convenient; otherwise the main lever 15 is operated by hand through the medium of an attached handle 17, which  
50 is within convenient reach of the driver's seat

and is provided with a suitable thumb-latch 18, adapted for engagement with a rack 19, secured to the seat-standard 14<sup>a</sup>. The forward end of the main lever 15 is connected by a  
55 chain 16 or its equivalent with the plow-beams or other supports for the cultivator blades or shares. (Not shown.) Thus it will be observed that the lever 15 when manipulated will either raise or lower the plow-beams, and  
60 this action may be accomplished in the ordinary manner; but the main lever 15 is further utilized to operate the gage or marker B simultaneously with the operation of the plow-beams, and this dual operation is accom-  
65 plished in a manner that will shortly be explained.

A secondary or auxiliary lever 20 is pivoted between its ends near the upper portion of the seat-standard 14<sup>a</sup>, and a connecting-bar  
70 21 extends from the rear portion of the main lever 15 to the forward portion of the upper or auxiliary lever 20, and the rear end of the upper or auxiliary lever 20 is provided with an attached chain 22, cable, or its equivalent,  
75 and said chain or cable 22 is secured to an eye or its equivalent attached to the draw-bar 23 near the inner end thereof. This draw-bar 23 is adapted to enter stirrups or notches 13, located at the rear side portions of the main  
80 frame A, the draw-bar entering said stirrups when the gage or marker is in operation.

The gage or marker B is provided with the ordinary runner 24 at its outer end, and the draw-bar 23 is attached to the gage or marker  
85 at a point preferably between its center and its inner end. The draw-bar 23 is at an acute angle to a line drawn longitudinally through the frame A, and the inner end of the draw-bar 23 is pivoted upon a rock-shaft 25, which  
90 rock-shaft is mounted to turn in a rear bar 26 of the frame A and in a socket 27, secured to the axle 12 of said frame or to any near-by support. The rear end of the rock-shaft is provided with a head 28, and the inner end  
95 of the gage or marker is pivoted in said head.

In operation when the gage or marker is to be shifted from one side to the other the foot portion 15<sup>a</sup> of the main lever 15 is pressed  
100 downward or the handle 17 is drawn toward the driver, whereupon the gage or marker will be carried from the horizontal position



at the right-hand side of the machine—for example, to the perpendicular position shown in dotted lines and over the center in direction of the left-hand side of the machine—and  
5 the said gage or marker, by manipulating the said main lever 15, may be permitted to drop quickly or slowly to the reverse side of the machine to that at which it was formerly placed. If, however, it is desired to hold the  
10 marker in a substantially vertical position, this may be accomplished by causing the thumb-latch 18 of the hand-lever 17 to enter a suitable notch in the rack 19 when the marker has been carried to one side of a per-  
15 pendicular line. Thus it will be observed that when the hand-lever 17 is released from the rack the gage or marker will drop to the desired side portion of the machine, the stirrups 13 serving to hold the marker in work-  
20 ing position through the medium of the draw-bar 23. It is also obvious that the marker or gage is operated simultaneously with the operation of the plows or shovels.

Having thus described my invention, I

claim as new and desire to secure by Letters 25 Patent—

In a marker attachment for planters, the combination with the wheel-supported frame having stirrups at its sides, a rock-shaft 30 mounted between the sides, a marker pivotally connected to the rear end of said shaft, a seat-standard, and a main lever pivoted on said seat-standard and having means at its forward end whereby it may be attached to a plow-beam, of a draw-bar having one end con- 35 nected with said marker and its other end pivoted on said rock-shaft, an auxiliary lever pivoted between its ends on said seat-standard above said main lever, a link connecting said main lever and the forward end of said 40 auxiliary lever, and a connection between the rear end of said latter lever and the draw-bar, as and for the purpose set forth.

JOHN GILMOUR.

Witnesses:

A. C. GILMOUR,  
C. W. FRANKENBERGER.