

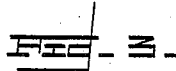
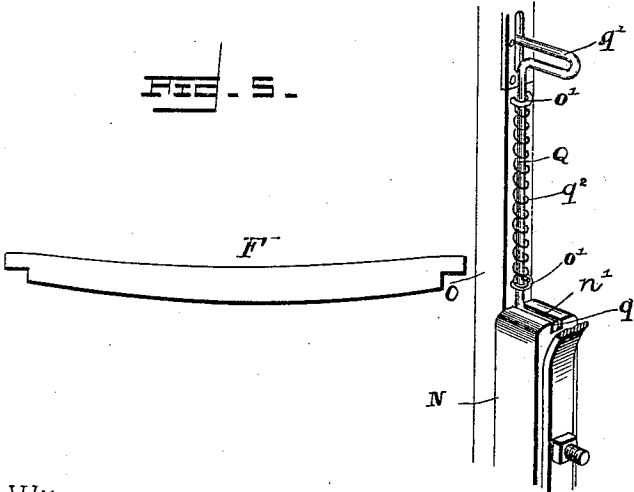
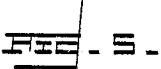
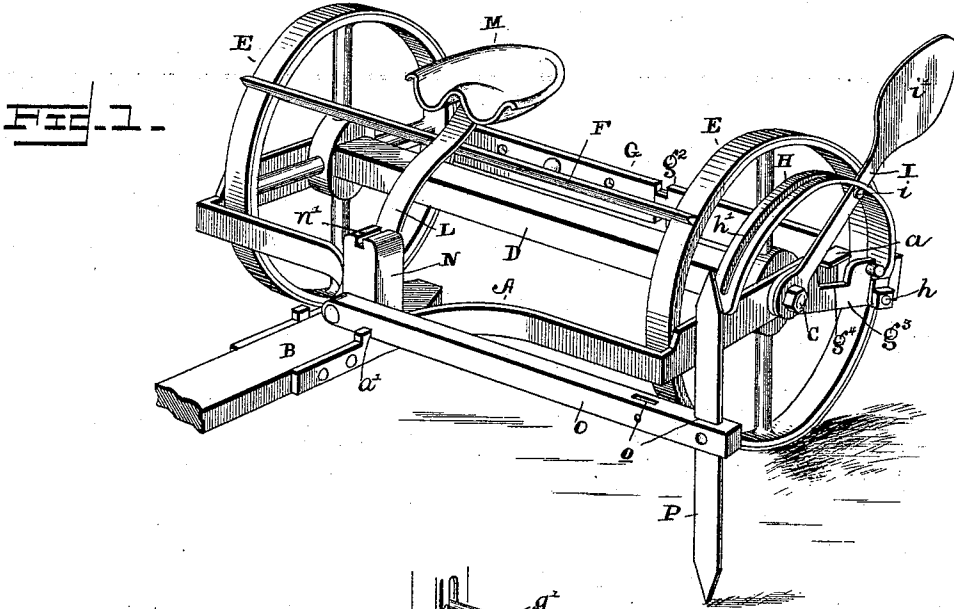
(No Model.)

2 Sheets—Sheet 1.

A. EWER.
CORN MARKER.

No. 471,214.

Patented Mar. 22, 1892.



Witnesses:

Inventor

C. S. Luvall Jr.
50 Bechaupier,

By *his* Attorneys,

Alfred Ewer.

Chas. Snow & Co.

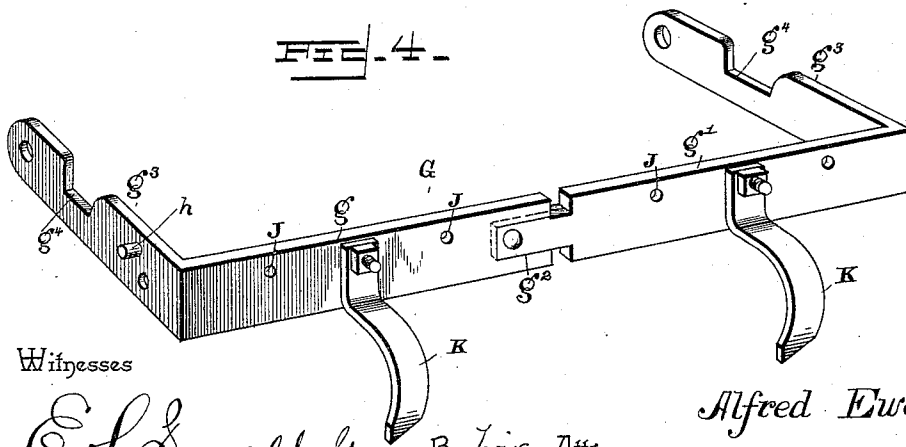
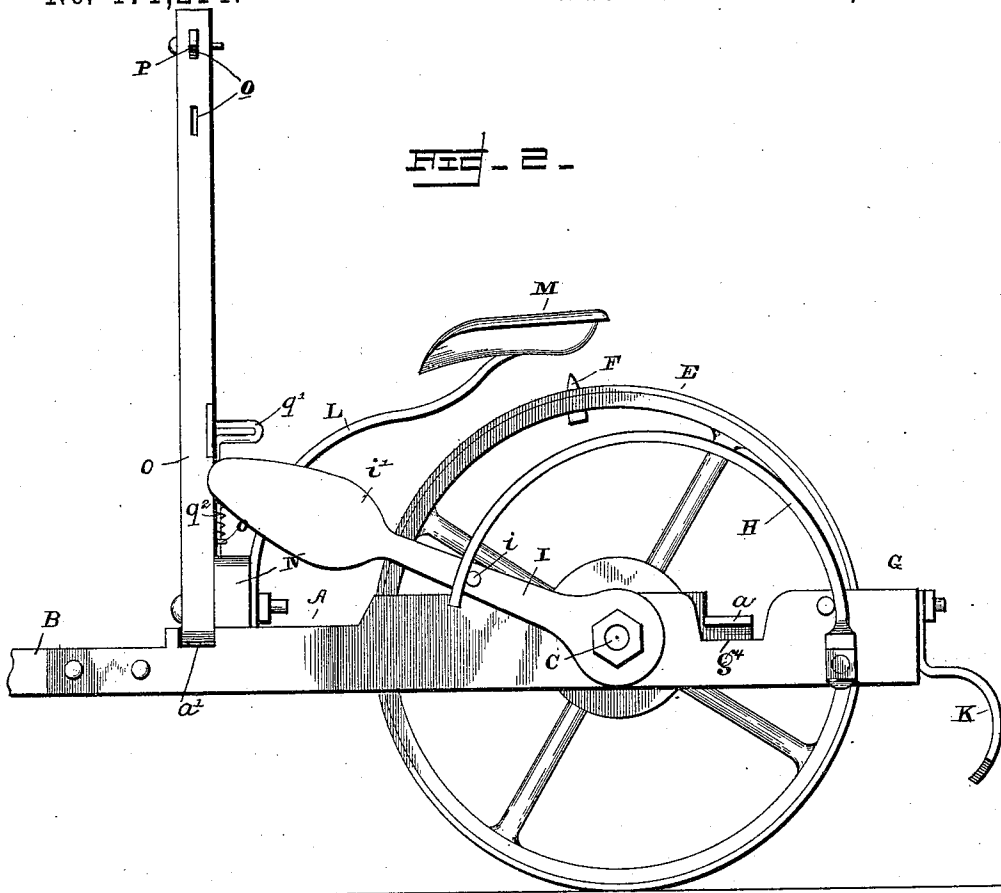
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2 Sheets—Sheet 2.

A. EWER.
CORN MARKER.

No. 471,214.

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Witnesses

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

ALFRED EWER, OF HOLICONG, PENNSYLVANIA.

CORN-MARKER.

SPECIFICATION forming part of Letters Patent No. 471,214, dated March 22, 1892.

Application filed September 1, 1891. Serial No. 404,432. (No model.)

To all whom it may concern:

Be it known that I, ALFRED EWER, a citizen of the United States, residing at Holicong, in the county of Bucks and State of Pennsylvania, have invented a new and useful Corn-Marker, of which the following is a specification.

This invention relates to land-markers, and more especially to that class which are designed to mark out the rows longitudinally and laterally in the planting of corn; and it has for its object to provide a device of this character which will be simple in construction and can be easily and readily manipulated by the operator; and with these and the other objects in view for which markers of this character are constructed the invention consists in the novel construction hereinafter more fully described, illustrated in the accompanying drawings, and specifically pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a corn-marker constructed in accordance with my invention, the rear hinged frame being lowered and the markers in their operative position. Fig. 2 is a side elevation of the same, the guide-marker being secured upon the frame out of operation and the rear marking-frame being also in its elevated position. Fig. 3 is a detail in perspective of the guide-marker-securing bolt and post. Fig. 4 is a similar view of the rear marking-frame. Fig. 5 is a detail in elevation of the marking-blade.

Referring to the accompanying drawings, A represents the front yoke or frame of my improved marker, between the front ends of which is secured the ordinary tongue B, by which the machine is drawn in the usual manner, and said frame or yoke is provided with the rearwardly-extending arms g^3 , between which is secured the transverse stationary shaft C. The outer ends of said parallel arms beyond the ends of said shaft are provided with the outwardly-curved flanges or stops a , the function of which will be apparent farther on. A sleeve D is loosely mounted upon said shaft C and is provided at each end adjacent to said rearwardly-extending arm with the wheels E, which are further connected together by the beveled marking-blade F, transversely secured to the peripheries of said

wheels and extending across the space intermediate of the same, and while providing a continuous transverse mark to indicate the planting-point also strengthens and braces said revolving wheels.

Pivotaly secured to the outer ends of the stationary axle C beyond the arms a is the rearwardly-extending U-shaped marker-frame G, comprising the sections g and g' , which are suitably spliced or coupled together in the rear, as at g^2 , in order that the same may be readily secured upon the outer ends of said axles. The opposite parallel arms g^3 of said frame are provided with the squared notches g^4 , that are adapted to receive the flanges or stops a of the main yoke or frame and prevent the marker-frame from passing up beyond the main frame when the same is elevated from the ground. Securely attached to one of the side arms g^3 of the rear marking-frame is the operating-segment H, secured to said arm upon the bolt h . The said segment extends or curves to the front of the machine and is provided with a long longitudinal slot h' , within which passes the operating-lever I. The said lever is pivoted upon one end of said shaft or axle and is provided with the oppositely-extending lugs i , that pass on both sides of the slot and follow the curve of said segment, thus steadying and guiding the said lever in its travel through said slot to raise or lower the rear marking-frame, and said lever terminates in an enlarged weighted handle end i' , which when the lever is at the forward end of the slot is sufficient in itself to hold the said marking-frame in its horizontal elevated position from the ground, and when said handle is brought rearwardly to the rear end of said slot the marking-frame is then dropped upon the ground to mark out the rows. The sections g and g' of said marker-frame are provided with a series of perforations J, which receive the bolts adjustably securing the pair of curved depending marking points or shovels K, which are designed to longitudinally mark out the rows to said frames.

The rear end of the draft-tongue secured between the front ends of the front yoke or frame A supports the rearwardly-extending seat-support L and the seat M, secured to the rear end of said support, and further sup-

ports the vertical block or upright N, to which is directly secured said seat-support. The said upright N is itself provided with a transverse notch or recess n' in the top thereof.

5 Pivoted to the front of said block or upright is the laterally-swinging guide-marker bar O, provided at its outer end with a series of perforations o , within which are secured the double-pointed markers P, which are designed

10 to mark the ground on either side of the machine as desired by the operator to accurately guide the course of travel of the marker in order that the marking may be easily and symmetrically accomplished. Within the eyes

15 or staples o' , secured to the front of the bar O, is secured the sliding bolt Q, provided at its lower end with a right-angularly-disposed engaging end q and a thumb or finger portion q' , by means of which the same may be readily

20 manipulated, and upon said bolt and between the eyes within which the same works is secured the coiled spring q^2 , which as the said guide-marker bar is thrown in a vertical position out of contact with the ground from

25 either side of the machine forces the engaging end of said locking-bolt within the notch n' , located in the top of the vertical block or upright N, and thus securely holds the said bar in its inoperative position. The said

30 marker-bar when thrown to either side of the machine is designed to rest and be seated within the squared notches or seats a' , formed in opposite sides of the front end of the yoke-frame A, and which are designed for the reception of said bar.

The construction and operation of my improved marker are now thought to be apparent without further description.

40 Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a corn-marker, a draft yoke or frame provided with rearwardly-extending parallel arms, a stationary axle-shaft secured in said

45 arms, a sleeve-carrying carriage and marking-wheels at each end adjacent to said arms and mounted loosely upon said axle-shaft, and a single marking-blade secured transversely at each end upon the periphery of the opposite

50 wheels and extending across the space between the same, substantially as set forth.

2. In a corn-marker, the combination of a draft yoke or frame provided with rearwardly-extending parallel arms, a stationary axle-

55 shaft secured to said arms, opposite wheels loosely mounted upon said axle-shaft adjacent to and within said arms, a marking-blade transversely secured at each end upon the peripheries of the opposite wheels and extending across the space between the same, a

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rearwardly-extending sectional spliced marking-frame inclosing said wheels, pivoted upon the outer ends of said axle, and carrying longitudinal markers, and means for raising and lowering said marking-frame, substantially as

65 set forth.

3. In a corn-marker, a draft yoke or frame provided with rearwardly-extending parallel arms provided with outturned flanges or stops, a stationary shaft secured to said arms,

70 opposite wheels loosely mounted upon said shaft adjacent to said arms, a marking-blade transversely secured upon the peripheries of the opposite wheels, a rearwardly-extending U-shaped marking-frame pivoted upon the

75 outer ends of said axle and provided with squared notches adjacent thereto and adapted to receive said outturned flanges or stops, longitudinal marking points or shovels adjustably secured to said frame, and means

80 for raising and lowering said marking-frame, substantially as set forth.

4. In a corn-marker, a draft yoke or frame provided with outturned flanges or stops, a stationary shaft secured in said frame, opposite wheels mounted loosely upon said shaft

85 and carrying a connecting transverse marking-blade, an approximately U-shaped sectional marking-frame pivoted to the ends of said shaft and spliced together and provided

90 with squared notches adjacent to the axle ends, adapted to receive said outturned flanges or stops, a forwardly-extending curved segment having a longitudinal slot secured to one side of said frame, and an operating-lever

95 pivoted to one end of said shaft and adapted to work in said slot, substantially as set forth.

5. In a corn-marker, a draft yoke or frame, wheels carrying a transverse marking-blade, revolvably mounted in said frame upon a stationary axle therein, a sectional spliced marking-frame pivoted to the ends of said shaft,

100 longitudinal row or furrow markers adjustably secured to the rear of said frame, a forwardly-extending curved segment having a longitudinal slot and secured to one side of

105 said frame, and an operating-lever pivoted to one end of said shaft and provided with oppositely-extending lugs adapted to travel on either side of said slot, and an enlarged

110 weighted handle end projecting through the same, substantially as set forth.

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

ALFRED EWER.

Witnesses:

WM. STUCKERT,
PAUL H. APPLEBACH.