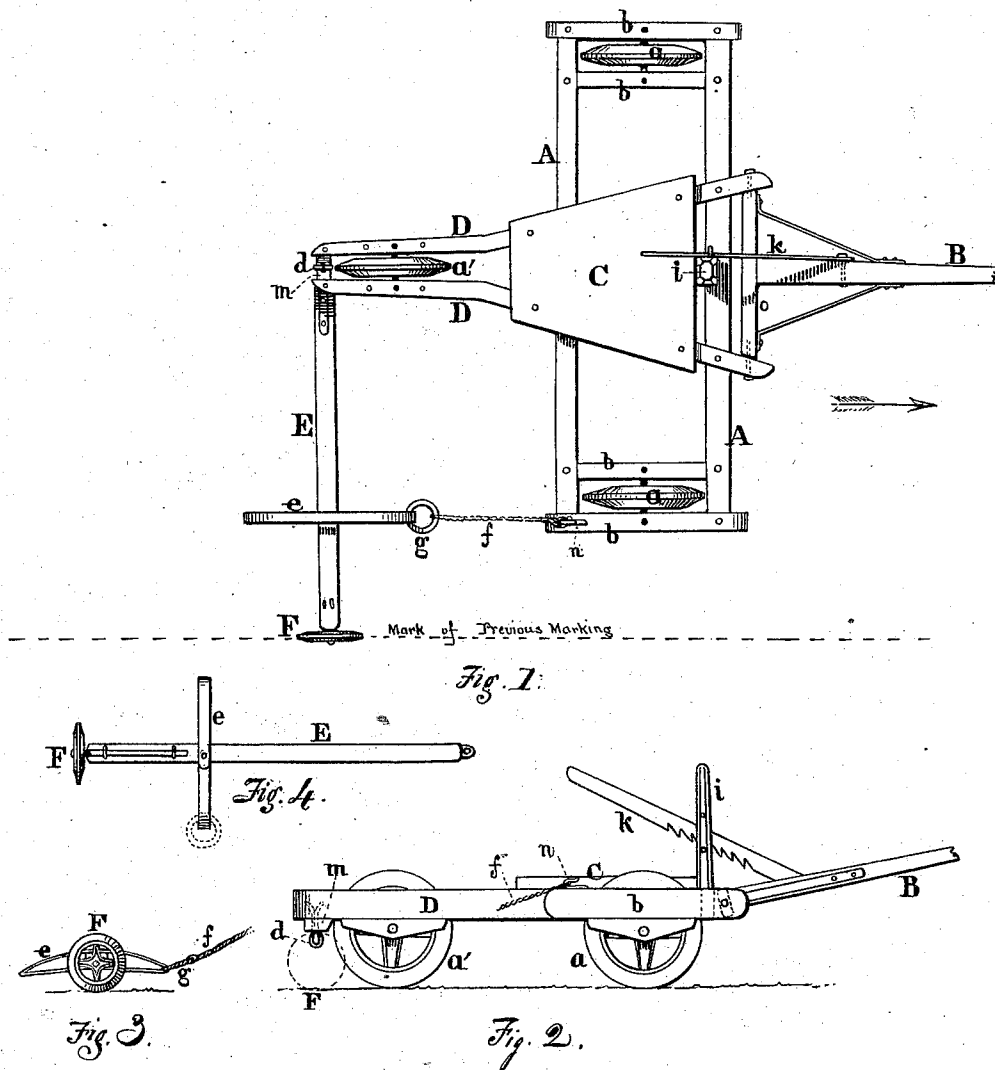


W. M. STARLIPER.

Corn-Row Marker.

No. 162,963.

Patented May 4, 1875.



Witnesses
James M. Moore.
Henry H. Wells.

William M. Starliper
by E. Thurston his atty.
in fact

UNITED STATES PATENT OFFICE.

WILLIAM M. STARLIPER, OF HENRY, ILLINOIS.

IMPROVEMENT IN CORN-ROW MARKERS.

Specification forming part of Letters Patent No. **162,963**, dated May 4, 1875; application filed February 13, 1875.

To all whom it may concern :

Be it known that I, WILLIAM M. STARLIPER, of Henry, in the county of Marshall and in the State of Illinois, have invented an Improvement in Corn-Row Markers for Land; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a plan; Fig. 2, a side elevation; Fig. 3, end view of gage; Fig. 4, under side of gage-bar.

The objects of this improvement are, first, simplicity in construction and operation; second, lightness of draft; third, the obviation of the length of the usual attaching-cord, connecting the end of the "gage" with the machine.

It consists of a long, square, light horizontal frame, A A, having double bars *b b* at either end, between which are pivoted the forward marking-wheels *a a*. Fixed across the middle part of this frame, run back horizontally two converging bars, D D, between the adjacent rear ends of which the third marking-wheel *a'* is pivoted, said bars being here joined by a cross-bar, *m*, through a hole in which passes an eye or staple, *d*, having spring-stems, which separate after its passage to retain the same in the bar. This eye retains the eye at the end of the gage E F, which, in a well-known mode, is used to regulate the distance of the new marking from that done at the last passage of the machine. The split stem is intended to facilitate the removal of said gage from the machine when work is over. The forward end of the middle bars D D are extended beyond the frame far enough to form pivots for the reception of the T-piece, in which the tongue B originates. To the latter is attached a ratchet-rod, *k*, which engages with the staple in the standard *i*, rising from the front bar of the machine, by which the rear wheel and bars are lifted

from the ground in turning the same. The gage F is composed of the usual straight bar E, on the end of which runs the gaging-wheel F, which is set in the end of a small iron axle, working on the under side of the bar in staples or journals, which may be constructed so as to be loosened to extend the axle by means of set-screws. Across the middle part of said bar E, so as to be in a line with the hook *n* on the outer corner of the frame A, is fastened an iron loop or slide, *e*, for the ring *g* of the cord or chain *f*, by which the gage is kept extended at a right angle, as in similar gages, so as to pass along the mark made by the last passage of the machine.

The advantages of this marker are, first, that it is light, easy to manage, easily turned in a small space; second, that the gage is easily shifted from side to side for a new transit across the land; also, obviating the long cord or connection with the marker usually employed in similar machines; third, that the wheel end of the gage can be placed upon the frame, without disconnection, in turning for a new marking, or quickly detached from the bar *m* by means of the staple *d* with the split stem, for the purpose of laying away when the planting season is over.

What I claim as my invention is—

The frame A, having double bars *b b* to receive the marking-wheels *a a*, in combination with the converging bars D D, provided with platform C, and arranged to receive the marking-wheel *a'*, the said bars D D being joined by a bar, *m*, provided with an eye or staple, *d*, having spring-stems to receive the gage-bar E, constructed and arranged to operate substantially as shown and set forth.

In testimony that I claim the foregoing corn-marker I have hereunto set my hand this 3d day of February, 1875.

WILLIAM M. STARLIPER.

Witnesses:

JAMES V. GLENDENING,
JAMES M. MORSE.