

(No Model.)

P. M. DICE.
LAND MARKER.

No. 422,191.

Patented Feb. 25, 1890.

Fig. 1.

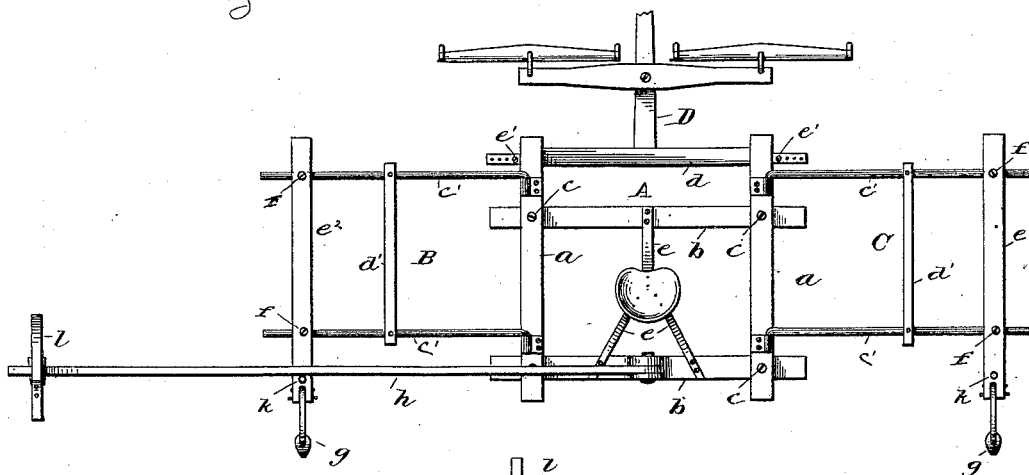
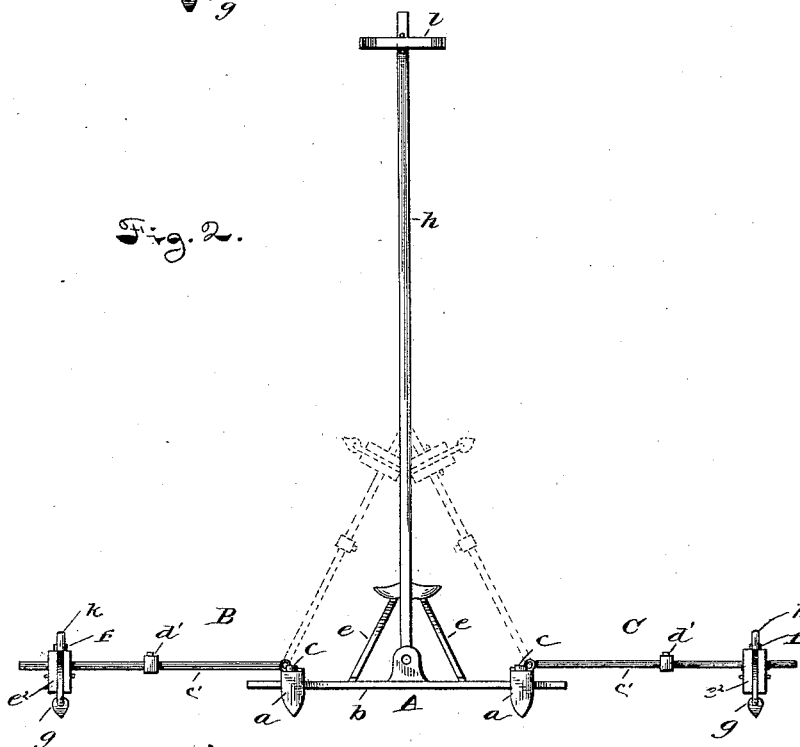


Fig. 2.



Witnesses

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LAND-MARKER.

SPECIFICATION forming part of Letters Patent No. 422,191, dated February 25, 1890.

Application filed October 21, 1889. Serial No. 327,679. (No model.)

To all whom it may concern:

Be it known that I, PETER M. DICE, a citizen of the United States, residing at North Manchester, in the county of Wabash and State of Indiana, have invented certain new and useful Improvements in Land-Markers, of which the following is a full and clear description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a plan view of a land-marker constructed according to my invention. Fig. 2 is a rear view showing the marker elevated and showing by dotted lines the position of the wings when turned up.

My invention relates to machines for marking land; and it consists of the constructions and combinations of devices which I shall hereinafter fully describe and claim.

To enable others skilled in the art to make and use my invention, I will now describe its construction and indicate the manner in which I carry the same out.

Referring now to the drawings, A indicates the main section of my marker, and B and C are the side wings or sections, which are hinged or pivoted to the middle or main section, so that they may be elevated from an approximately-horizontal position, as when they are in operation, to a position that is approximately vertical, in which latter position they are raised when going to and from the field and when turning corners at the ends of the rows. The main section is constructed with two runners *a*, which rest upon the ground and have their sides mortised to receive the ends of suitable cross-bars *b*, the said runners being held to the bars and being adjustable thereon to vary the width of the middle section, when desired, by means of set-screws *c*, as shown in Fig. 1. The front portions of the runners are also formed with openings, into which are fitted the ends of the cross-bar *d* of the pole or tongue D, which is provided with the usual double or single trees, and the cross-bars *b* have secured to them the lower ends or feet of the seat-standards *e*, which supports the driver's seat. One (or both) end of the cross-bar *d* of the pole or tongue also has a hole formed through it, and into said hole a pin *e'* is slipped to secure the

pole to the middle section A and to permit the ready separation of the parts when it is desired to take the machine to pieces for repairs, transportation, &c., and the connection between the cross-bars *b* and runners *a* is such as to enable the operator to increase or decrease the width of the middle section and the distance between rows. The runners *a* have hinged or pivoted to them in any suitable manner the side wings or sections B and C, each of which consists of the cross bars or rods *c'*, which are hinged to the runners, a bar *d'*, which connects and braces said rods *c'*, and a shoe or runner *e''*, through the sides of which the rods *c'* pass. The rods *c'* are secured to the shoes or runners *e''* by set-screws *f*, and said shoes or runners are adjustable upon or may slide upon the rods to increase or decrease the distance between opposite shoes and to vary the distance between rows. The runners or shoes *e''* may also be provided with a shovel *g* or tooth, which serves as the means for marking the ground over which said shoes pass.

To the central portion of the rear cross-bar of the middle section A is pivotally secured the inner end of the bar *h*, which projects some distance beyond the side wings or sections, being supported against pins *k* on the shoes or runners *e''*, and carries at its outer end the marking-shoe *l*, whose operation is similar to many similar devices now in use.

From the foregoing description it is evident that I am enabled to construct a simple, cheap, and effective machine that will mark four or more rows at the same time. The machine is also so constructed that it may be readily taken apart or adjusted to suit existing circumstances with but little delay or trouble, and when going into the field or coming therefrom the marking attachment and the side wings or sections may be elevated, as shown in Fig. 2, so that they will be out of the way.

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

1. The section A, having the runners *a*, the cross-bars passing through the sides of the runners and set-screws securing the cross-bars to the runners, the seat supported upon

said bars, and the pole removably fitted to the front of the runners, in combination with the marking attachment pivoted to the rear cross-bar and carrying at its outer end the marking-shoe, substantially as described.

2. The middle section having the runners *a*, cross-bars *b*, and set-screws by which the bars are secured, and the runners adjustably held thereto, the side wings or sections having cross-bars *c'*, hinged to the runners of the middle section, runners or shoes adjustably mounted on the outer ends of the cross-bars *c'*, and set-screws securing the shoes or run-

ners in position on the bars, the rods or bars *d'*, connecting the cross-bars, a marking-point carried by the shoes or runners of the side wings or sections, and a marking attachment pivoted to the middle section and projecting outwardly beyond the side sections and carrying a marking-shoe at its outer end, substantially as described.

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Witnesses:

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