

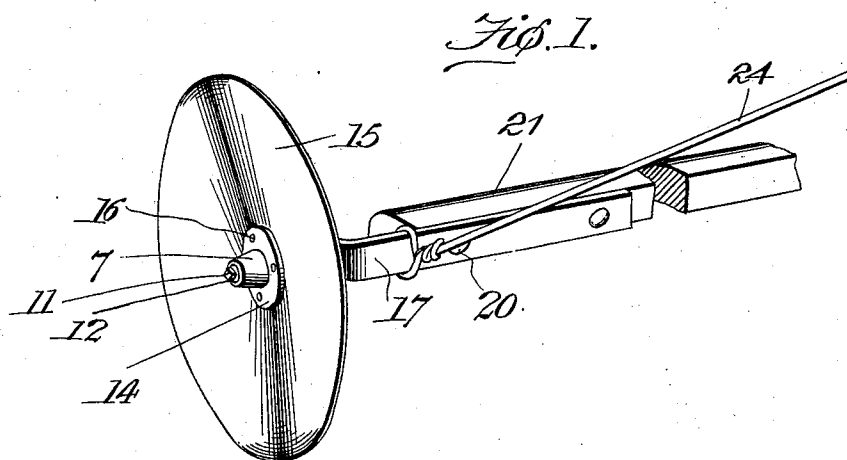
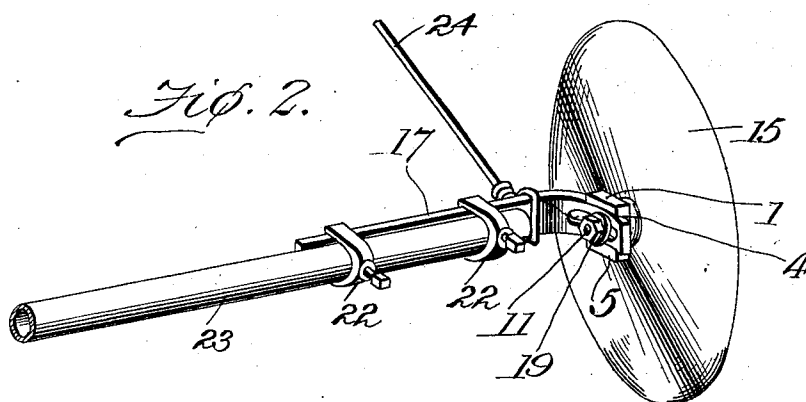
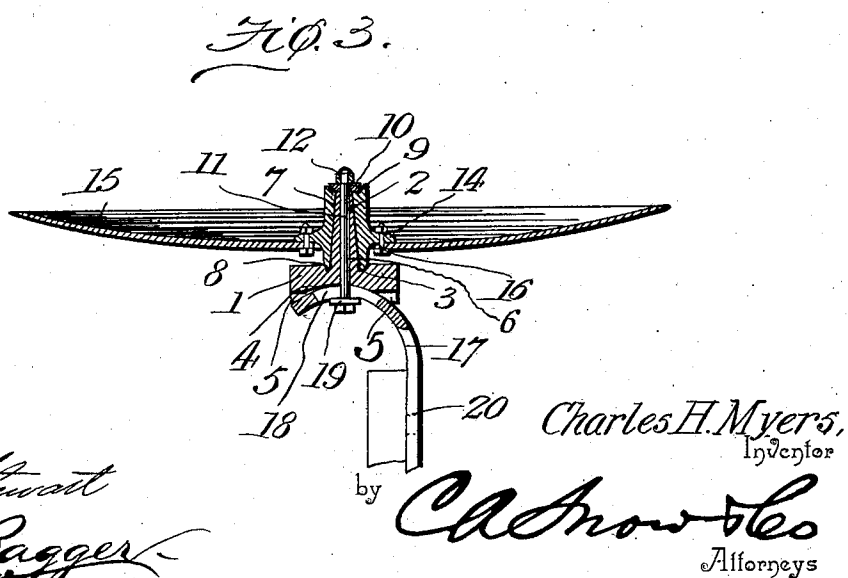
No. 747,754.

PATENTED DEC. 22, 1903.

C. H. MYERS.
DISK MARKER.

APPLICATION FILED APR. 8, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES H. MYERS, OF LEROY, ILLINOIS.

DISK MARKER.

SPECIFICATION forming part of Letters Patent No. 747,754, dated December 22, 1903.

Application filed April 8, 1903. Serial No. 151,640. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. MYERS, a citizen of the United States, residing at Leroy, in the county of McLean and State of Illinois, have invented a new and useful Disk Marker, of which the following is a specification.

My invention relates to marking devices of the class which are used in connection with seed-planters for the purpose of guiding the driver after the planting of the first row in order to make the succeeding rows parallel therewith, and it has special reference to that class of devices in which the marker is composed of a disk.

The object of my invention is to provide a device of this class in which the disk may be easily and quickly adjusted to any desired angle.

A further object of my invention is to provide a device in which the disk shall be mounted in such a manner that the bearing thereof shall be practically dust-proof.

Another object is to provide a device which may be readily and quickly connected with a planter of any kind.

With these and other objects in view, all tending toward the production of a device of this class which shall possess superior advantages in point of simplicity, durability, and general efficiency, my invention consists in the improved construction, arrangement, and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view showing the front side of my improved disk marker and a portion of the rod whereby it is connected with the planter. Fig. 2 is a rear perspective view of my improved disk marker, showing a portion of a pipe or tubular rod whereby it is connected with a planter. Fig. 3 is a central sectional view of my improved disk marker and the attaching-bracket which constitutes a portion thereof.

Corresponding parts in the several figures are indicated by similar numerals of reference.

1 designates a block, which may be square or rectangular and is provided on one side thereof with a laterally-extending tapering

spindle 2, at the base of which an annular groove or recess 3 is formed in the block. The latter is provided on its opposite or inner side with a longitudinal recess or cavity 4, which is bounded by flanges 5 5 on either side thereof, said recess being in the nature of a segmental depression in the inner face of the block 1, with which the flanges 5 are obviously integral. A perforation 6 extends through the spindle 2 of the block 1.

7 designates a hub having a tapering bore whereby it is fitted upon the tapering spindle 2. Said hub is rounded at its inner end, as shown at 8, to engage the annular groove 3, in which the said rounded inner end of the hub is closely seated. The outer end of the hub is interiorly beveled, as shown at 9, to afford a seat for a beveled washer 10, which is seated upon a bolt 11, extending through the perforation 6 in the spindle, the outer end of said bolt being provided with a tightening-nut 12.

The hub 7 is provided near its inner end with an annular flange 14, to which a concavo-convex steel disk 15 is suitably connected by means of rivets 16 or equivalent means.

17 designates the attaching-bracket, which consists of a stout strap of iron curved segmentally at the end where it is connected with the block 1 and provided in said curved portion with a longitudinal slot 18, through which the connecting-bolt 11 extends, a washer 19 being interposed between the head of the bolt and the slot, so as to form a firm and rigid connection. The curve of the strap 17 is of less radius than that of the segmental recess in the block 1, in which the said curved portion of the connecting-strap is seated. It follows that a comparatively short adjustment will considerably change the angle between the connecting-bracket and the disk, which latter may thus by merely operating the nut 12 be easily and quickly changed to any position which it may be desired that it shall occupy.

The connecting-strap 17 is provided with perforations or bolt-holes 20, enabling it to be connected by means of bolts to an ordinary wooden rod, as shown at 21 in Fig. 1 of the drawings. If preferred, the connecting-strap may be secured by means of clips 22 with a pipe or tubular rod 23, as shown in

Fig. 2 of the drawings. In either case the connecting-rod 23 is to be suitably connected with the planter-frame, with which it is furthermore connected by means of a brace or

5 guy-wire 24.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of my invention will be readily understood. My improved
10 disk marker when attached to a planter will cut into the ground, no matter what the condition of the soil may be, and leave a clear and distinct mark which may be clearly seen by the driver a long way ahead, thereby en-
15 abling him to keep the machine in the proper direction. Weeds and grass roots, as well as other similar obstructions, will not accumulate or hang upon the marker, but will be cut, thereby enabling the driver to proceed
20 without necessity of stopping for the purpose of clearing the marker. Other advantages resulting from my improved construction will readily suggest themselves to those skilled in the art to which it appertains.

25 The device is extremely simple in construction, and it may be manufactured separately and applied to seed-planters of any known pattern. It is obvious that the method of attaching may be varied within the scope of
30 my invention; also, that I do not limit myself by the structural details herein set forth, but reserve the right to any changes, alterations, and modifications within the scope of my invention and which may be resorted to
35 without departing from the spirit or sacrificing the utility of the same.

Having thus described my invention, I claim—

1. A disk marker for planters comprising a

block having a segmental recess in one side 40 and provided at its opposite side with a tapering spindle and an annular groove surrounding the base of the same, a hub engaging said annular groove and having an interiorly-beveled outer end, a disk mounted 45 upon the hub, a connecting-strap having a curved slotted end engaging the segmental recess in the block, a bolt extending through the slot of said connecting-rod and through the spindle, a washer upon said bolt seated 50 in the beveled end of the hub, and a tightening-nut.

2. In a device of the class described, a disk-carrying block having a segmental recess, in combination with a curved slotted strap en- 55 gaging said recess, and connecting means.

3. In a device of the class described, a disk-carrying block having a segmental recess in the rear side thereof and flanges adjacent to said recess, in combination with a strap 60 curved to engage said recess between the flanges thereof, and connecting means.

4. In a device of the class described, a block having a spindle and provided in its opposite side with a segmental recess, a disk-carrying 65 hub mounted upon said spindle, a connecting-strap having a segmentally-curved slotted end, a bolt extending through the slotted end of said strap and through the spindle, a washer upon said spindle engaging the outer 70 end of the hub, and a tightening-nut.

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

CHARLES H. MYERS.

Witnesses:

GEORGE L. COPE,
S. CRUMBAUGH.