No. 628,363. Patented July 4, 1899.

F. W. SHOECRAFT.

BICYCLE PATH MAKER.

(Application filed July 25, 1898.)

(No Model.)

Fig. 1.

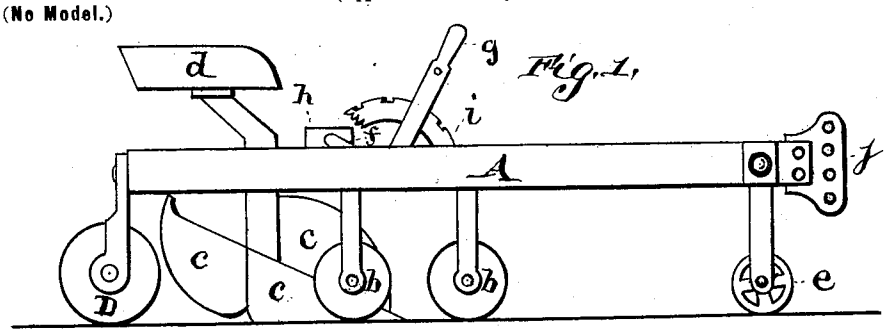


Fig. 2.

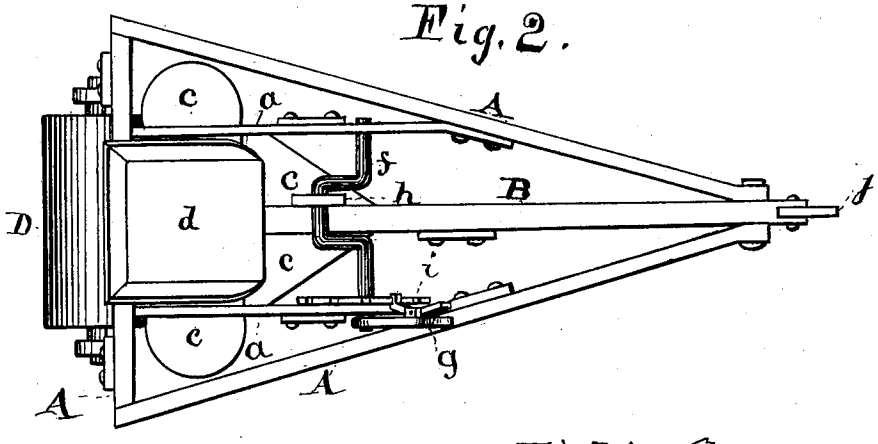
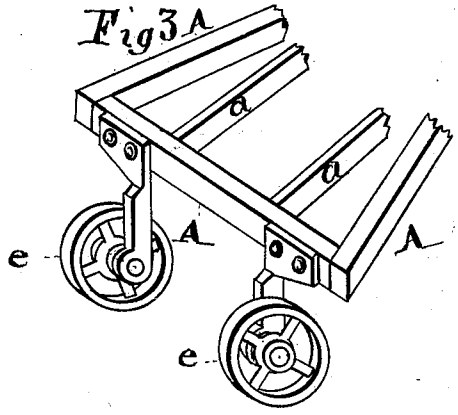


Fig 3A



Witnesses
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UNITED STATES PATENT OFFICE.

FRED W. SHOECRAFT, OF STURGIS, MICHIGAN.

BICYCLE-PATH MAKER.

SPECIFICATION forming part of Letters Patent No. 628,363, dated July 4, 1899.

Application filed July 25, 1898. Serial No. 686,805. (No model.)

To all whom it may concern:

Be it known that I, FRED W. SHOECRAFT, a citizen of the United States, residing at Sturgis, in the county of St. Joseph and State of Michigan, have invented a new and useful Bicycle-Path Maker, of which the following is a specification.

My invention relates to improvements in bicycle-path makers wherein a plow is carried in a triangular-shaped frame on wheels by means of a plow-beam pivotally attached to the apex of the frame and to which direct draft can be applied.

The object of my invention is to provide a strong simple machine of light draft, cheap, and readily adapted to the purposes intended. I attain these objects by the mechanism illustrated in the accompanying drawings, forming a part of this specification.

Figure 1 is a longitudinal elevation of the machine. Fig. 2 is a horizontal plan thereof. Fig. 3 is a detail view.

A is a triangular-shaped frame, with braces *a* secured thereto, each carrying a detachable cutting-disk *b*.

B is a plow-beam pivotally secured to the apex of frame A and supporting a double plow *c* and the driver's seat *d* and carrying a detachable disk *b* and also a supporting-wheel *e* at the forward end.

D is a roller attached to the rear cross-bar of the frame A to pack the surface after the plow and is detachable therefrom and for which can be substituted two supporting-wheels *e*, as the nature of the ground to be operated on may require.

f is a crank-shaft journaled on the braces *a* and also on the plow-beam B by the journal *h* and terminating in the lever *g*, by which, in connection with the rack *i*, the plow is adjusted for operation.

j is a rack secured to the outer end of the plow-beam B, in which to hang a clevis, and gives a direct draft to the plow-beam from the motive power.

In operation when the ground is in sod the cutting-disks are retained to open up the way in line with the points and extreme outer edges of the plow-cutters for the easy passage of the plow and clean turn over of the sod by the moldboards. The cutting-disks can be detached when the ground is bare.

What I claim as new, and desire to secure by Letters Patent, is—

In a bicycle-path maker the combination of a triangular-shaped frame supported on wheels *e* the braces *a* carrying detachable disks *b* the detachable roller D; with the plow-beam B pivoted at its forward end to the apex of frame A having direct draft from motive power, substantially as and for the purpose described.

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