

No. 615,514.

Patented Dec. 6, 1898.

J. ZIMMERMANN.

CORN GUIDE.

(Application filed May 19, 1898.)

(No Model.)

Fig. 1.

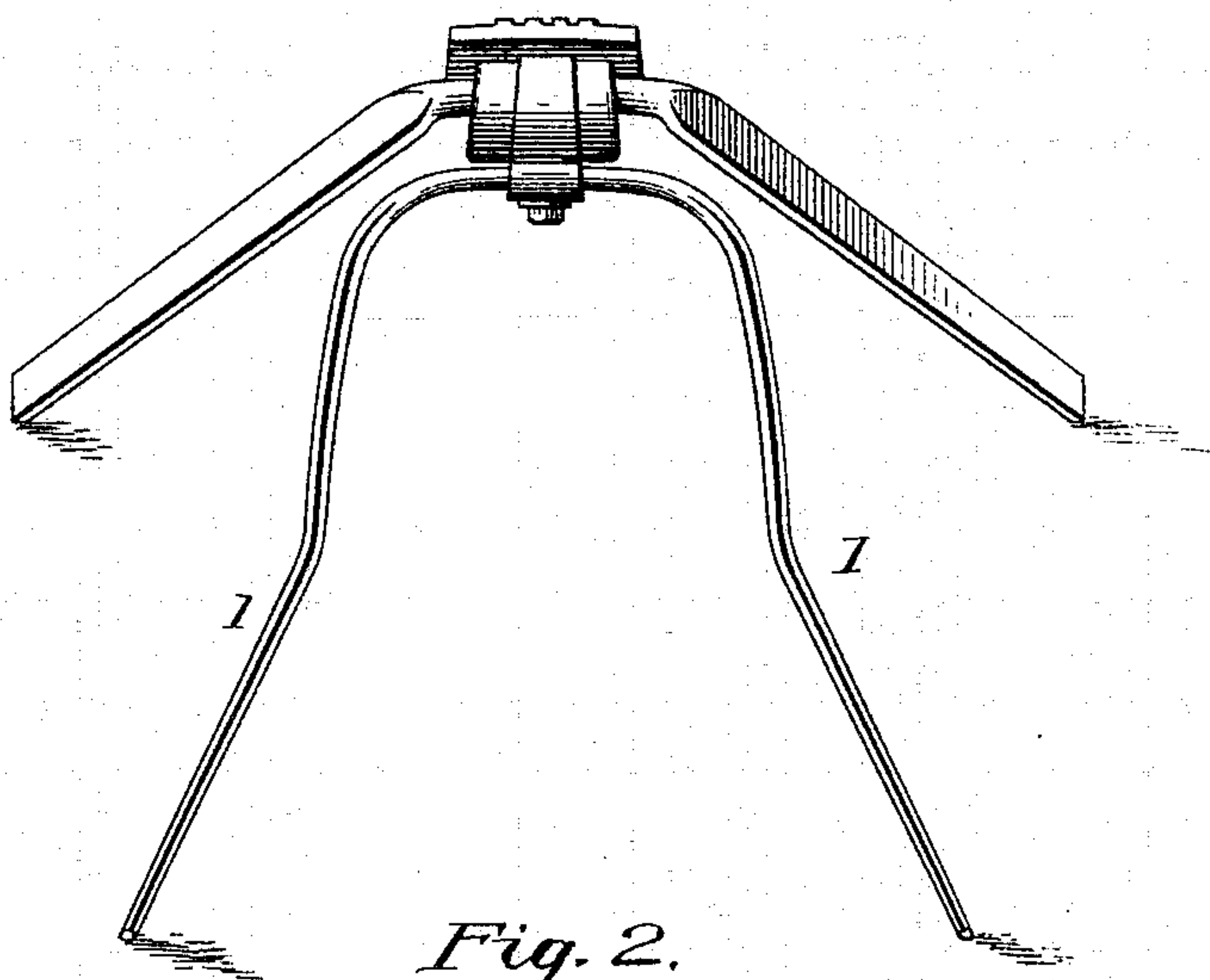


Fig. 2.

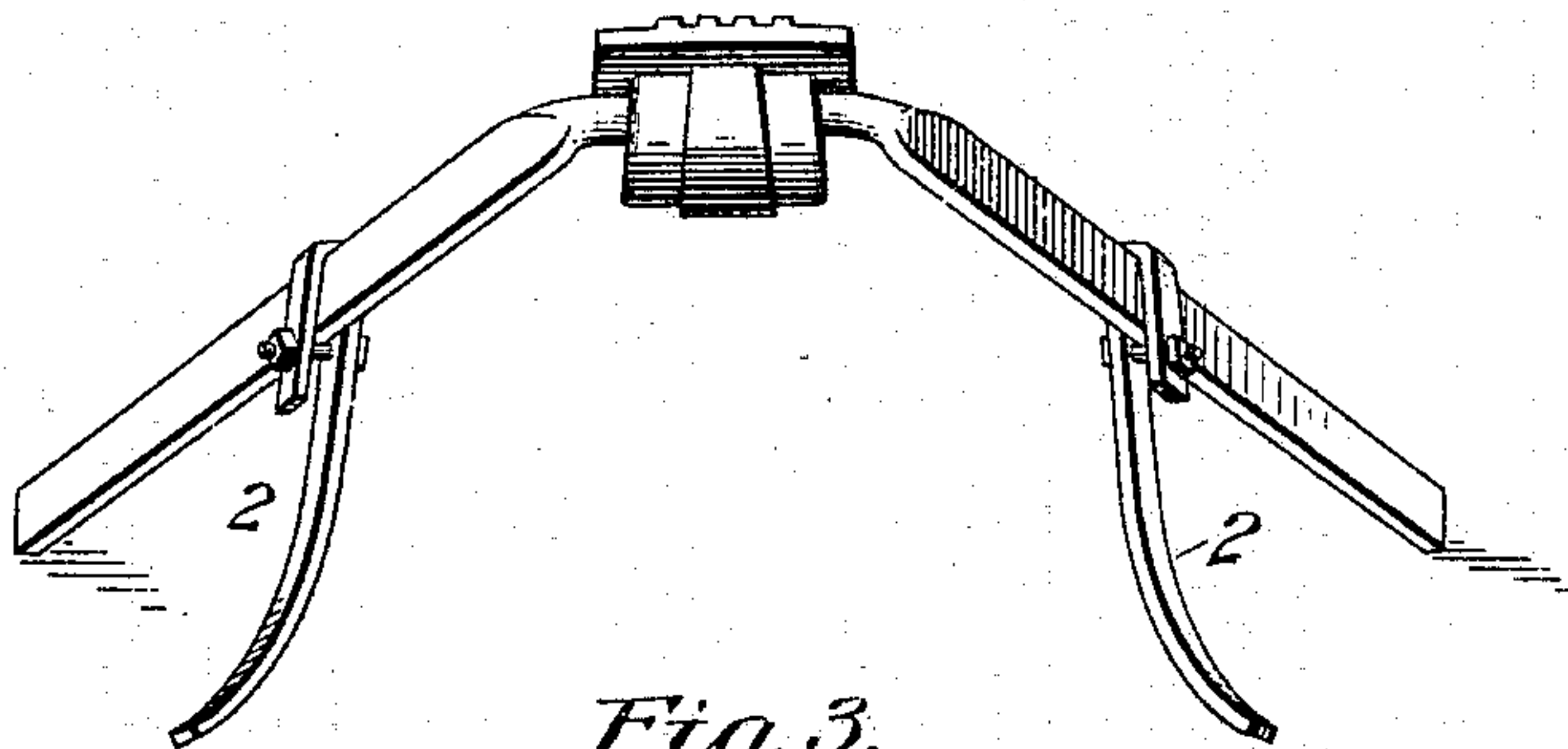
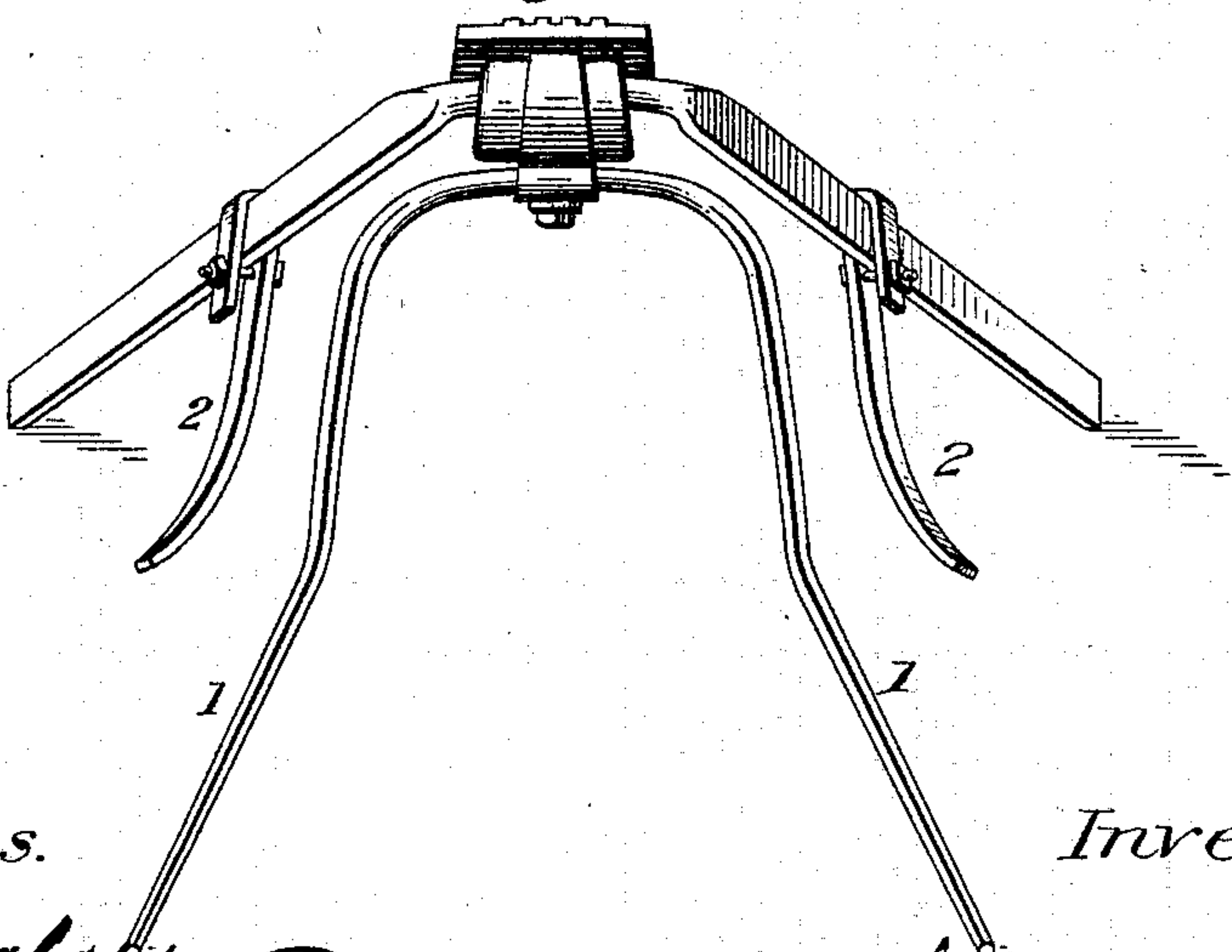


Fig. 3.



Witnesses.

A. J. Douglass
James M. Hylde

Inventor

John Zimmermann

UNITED STATES PATENT OFFICE.

JOHN ZIMMERMANN, OF BENTON CITY, MISSOURI.

CORN-GUIDE.

SPECIFICATION forming part of Letters Patent No. 615,514, dated December 6, 1898.

Application filed May 19, 1898. Serial No. 681,172. (No model.)

To all whom it may concern:

Be it known that I, JOHN ZIMMERMANN, a citizen of the United States, residing at Benton City, in the county of Audrain and State of Missouri, have invented certain new and useful Improvements in Corn-Guides and Weed-Turners for Cultivators; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to corn-guides and weed-turners for cultivators; and its object is to provide an improved construction of the same by which I secure important advantages with respect to efficiency in use.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view showing my improved corn-guide and the cultivator-beams. Fig. 2 is a similar view showing the improved weed-turners secured to the cultivator-beams. Fig. 3 is a similar view showing the guide and weed-turners and the cultivator-beams.

In the said drawings the reference-numeral 1 designates the corn-guide, consisting of a single piece of metal bent over at the center, forming a horizontal central portion and two forwardly and downwardly extending arms, the ends of which are inclined outwardly at an angle. The center of the guide is secured to a lug 3 of a plate 4, to which the double-tree (not shown) is attached.

The numeral 5 designates the downwardly and rearwardly inclined cultivator-beams, to

which are to be secured the usual rotatable disks. (Not shown.)

The numeral 2 designates the weed-turners, consisting of curved metal bars having their inner ends bent over and embracing the beams. These weed-turners are adjustable on the beams and are held in position by screw-bolts 6 and nuts 7.

The invention is more particularly adapted for cultivating corn which is of comparatively large growth. This corn is liable to bend down between the rows and be caught by the beams and disks and be injured or destroyed. By my invention as the cultivator is drawn between the rows the bent or leaning corn will be drawn into the curved arms of the guide at each side of the row and be raised into a perpendicular position. The weed-turners following the guide will turn the weeds into position to be engaged by the disks.

Having thus fully described my invention, what I claim is—

In a cultivator, the combination with the inclined beams, and the adjustable weed-turners connected therewith, of the corn-guide consisting of a single piece of metal bent to form two forwardly and downwardly extending arms having their ends inclined at an angle, substantially as described.

March 28, 1898.

JOHN ZIMMERMANN.

Witnesses:

JOHN WINKLER,
D. B. DOUGLASS.