

G. MEEKS.
Cultivators.

No. 150,426.

Patented May 5, 1874.

Fig. 1.

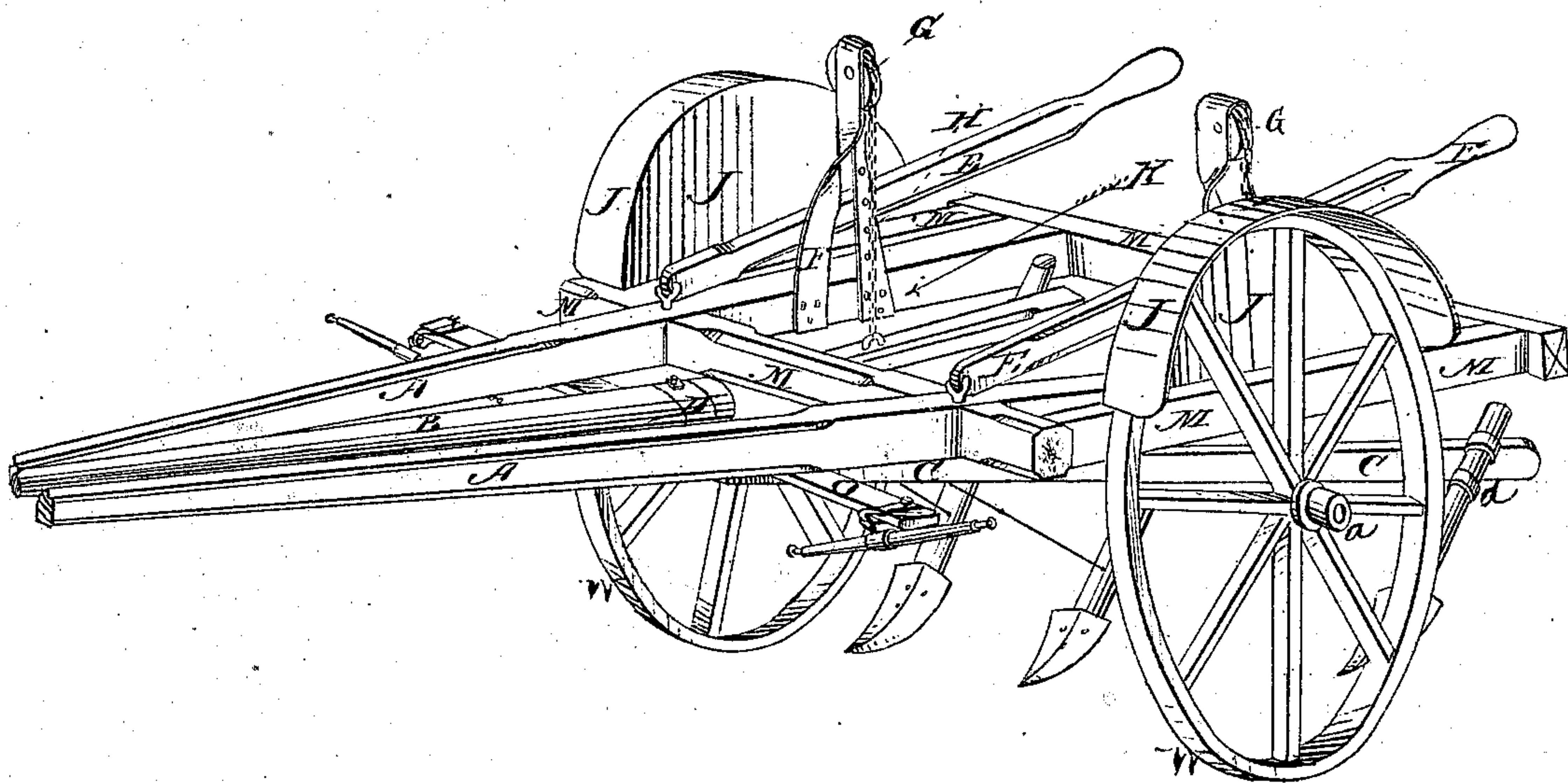


Fig. 2.

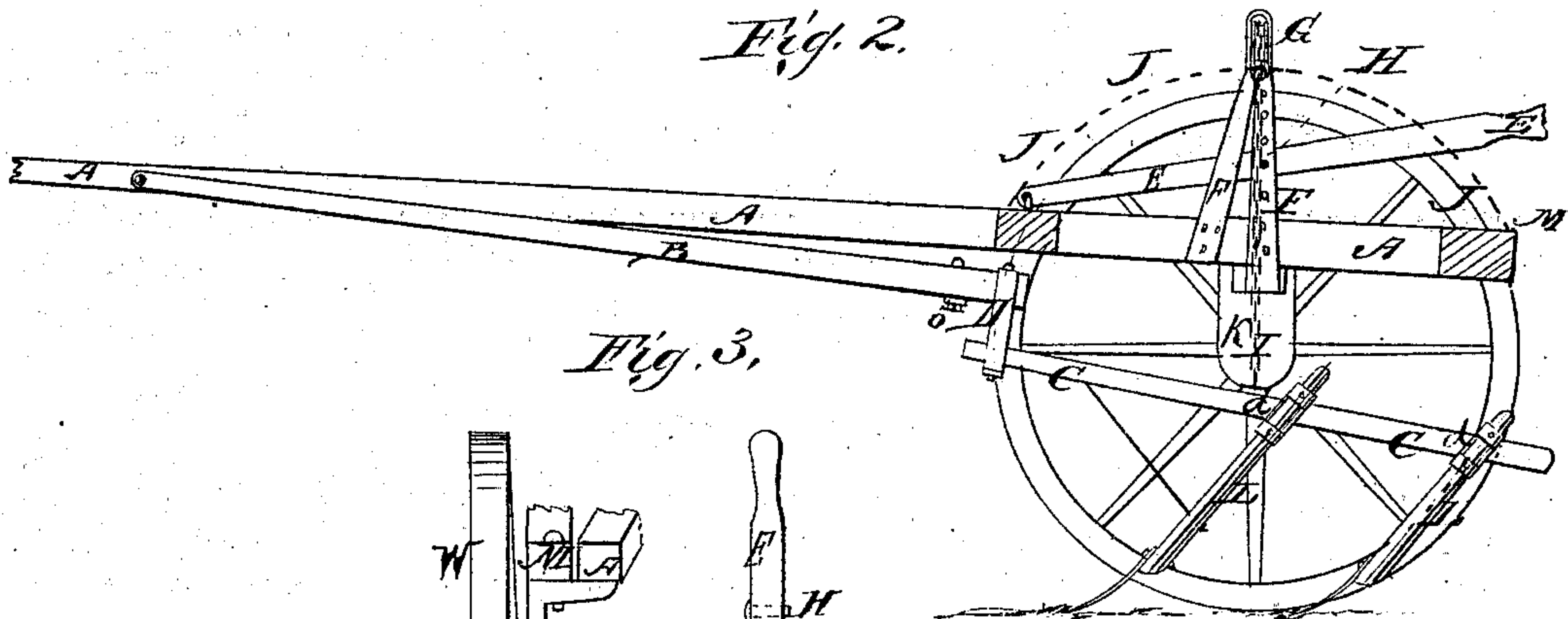
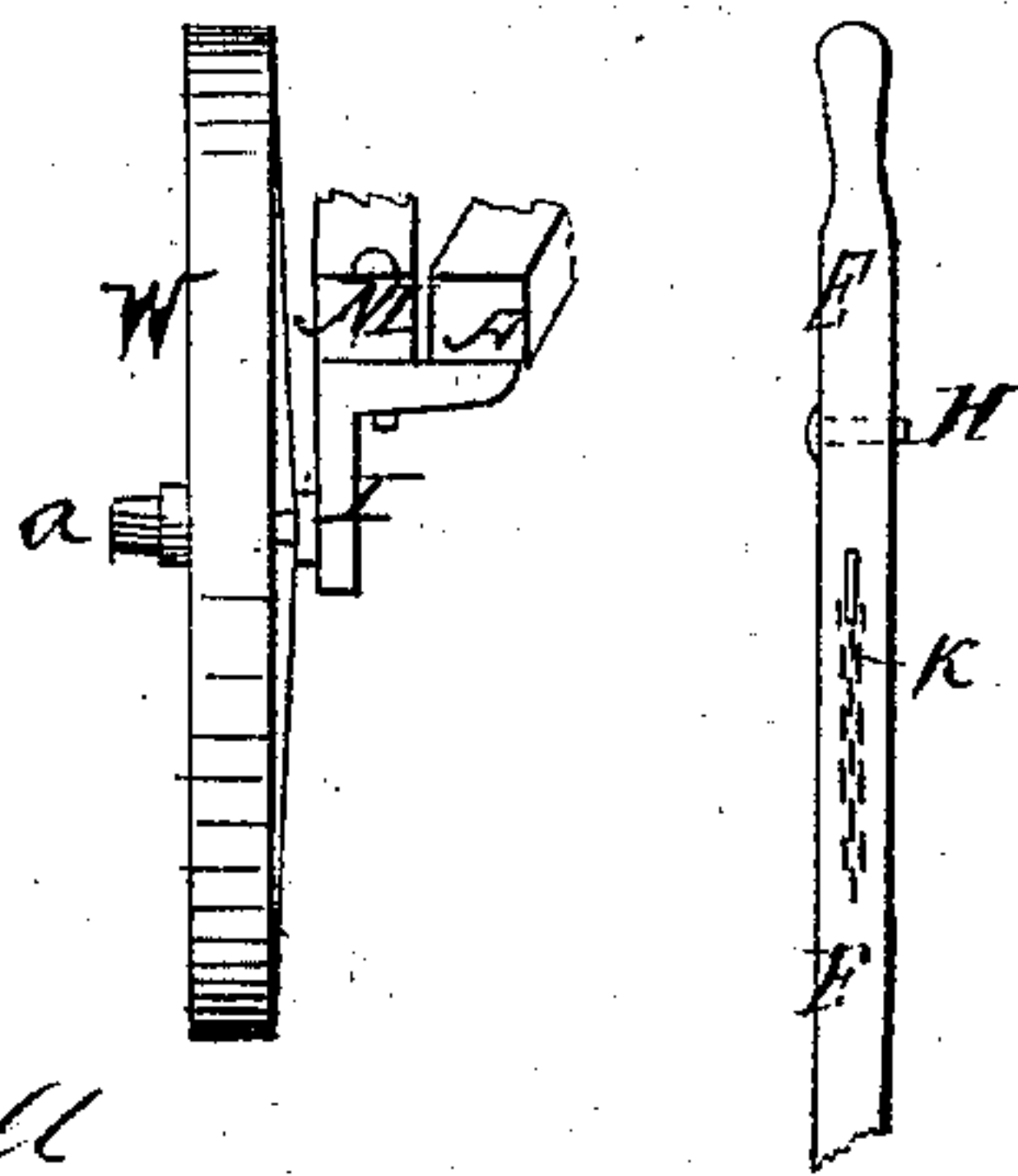


Fig. 3.



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UNITED STATES PATENT OFFICE.

GILMAN MEEKS, OF KANEVILLE, ILLINOIS.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. **150,426**, dated May 5, 1874; application filed September 25, 1872.

To all whom it may concern:

Be it known that I, GILMAN MEEKS, of Kaneville, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Cultivators; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a cultivator for cultivating corn and other grain, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of the specification, and in which—

Figure 1 is a perspective view, and Fig. 2 a longitudinal vertical section, of my cultivator. Fig. 3 shows detached parts thereof.

M represents the frame of my machine made in square or rectangular form, as shown in Fig. 1, and having the two inclined beams A A let into the same, which beams run together a suitable distance in front of the frame, and form the usual split tongue. On each side, to the under side of the frame M, is attached an angle or elbow bar, I, from the lower end of which a spindle, *a*, projects outward, and upon this spindle the driving-wheel W is placed. By the use of these angle-bars and spindles or short axles a long axle, extending entirely across the frame is dispensed with, and the driver can readily see his work as the machine moves along. On top of each side of the frame M is a semicircular plate or board, J, with flange projecting outward over the wheel, forming a shield or covering for the same, to prevent the dust and dirt from being blown on the driver. Between the front ends of the beams A A is fastened the front end of a guiding-tongue, B, which extends toward the rear for a suitable distance, and has the whif-

fle or double tree O attached to its under side, at a suitable point in front of the frame M. Immediately in rear of the double-tree a band, D, passes around, and is attached to the guiding-tongue B. This band forms a clamp or clevis for attaching the front ends of the cultivator-beams C C. To each of these beams are attached castings *d d*, each of which forms two loops, through which the cultivator-shank L is passed, and firmly fastened by pins or other suitable means. From each beam C passes a chain, K, over a pulley, G, in the upper end of a forked standard, F, attached to the frame M. The other end of the chain K is fastened to a lever, E, which is hinged or otherwise flexibly connected to the front part of the frame M, and is held to the standard F by a pin, H. These standards being provided with a number of holes, the plows are readily adjusted to any height desired, by removing the pins H H and elevating or depressing the levers, and then inserting the pins again. This arrangement is not merely for the purpose of raising the plows out of action when going to and from the field, but is also used for the purpose of passing over obstructions, when at work, at the will of the driver or operator.

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

The movable guiding-tongue B, arranged relatively to the split tongue A, and the means D, for application of the draft, as shown, in combination with the cultivator-beams C C, flexibly attached to the loose end of the movable guiding-tongue B, and acting in connection therewith and the standard F, chain H, pulley G, and lever E, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GILMAN MEEKS.

Witnesses:

A. O. KENDALL,
CEPHAS CONE.