

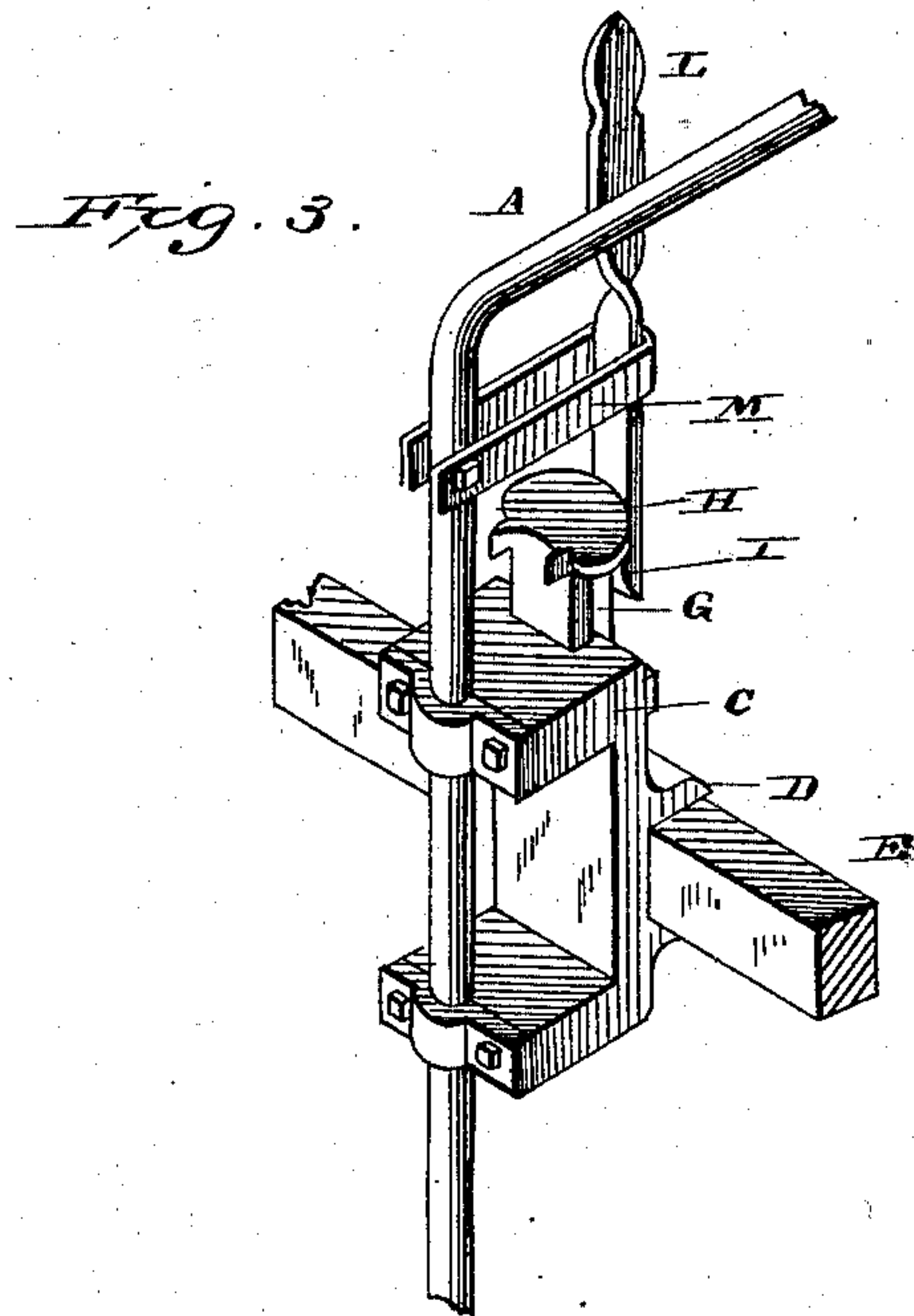
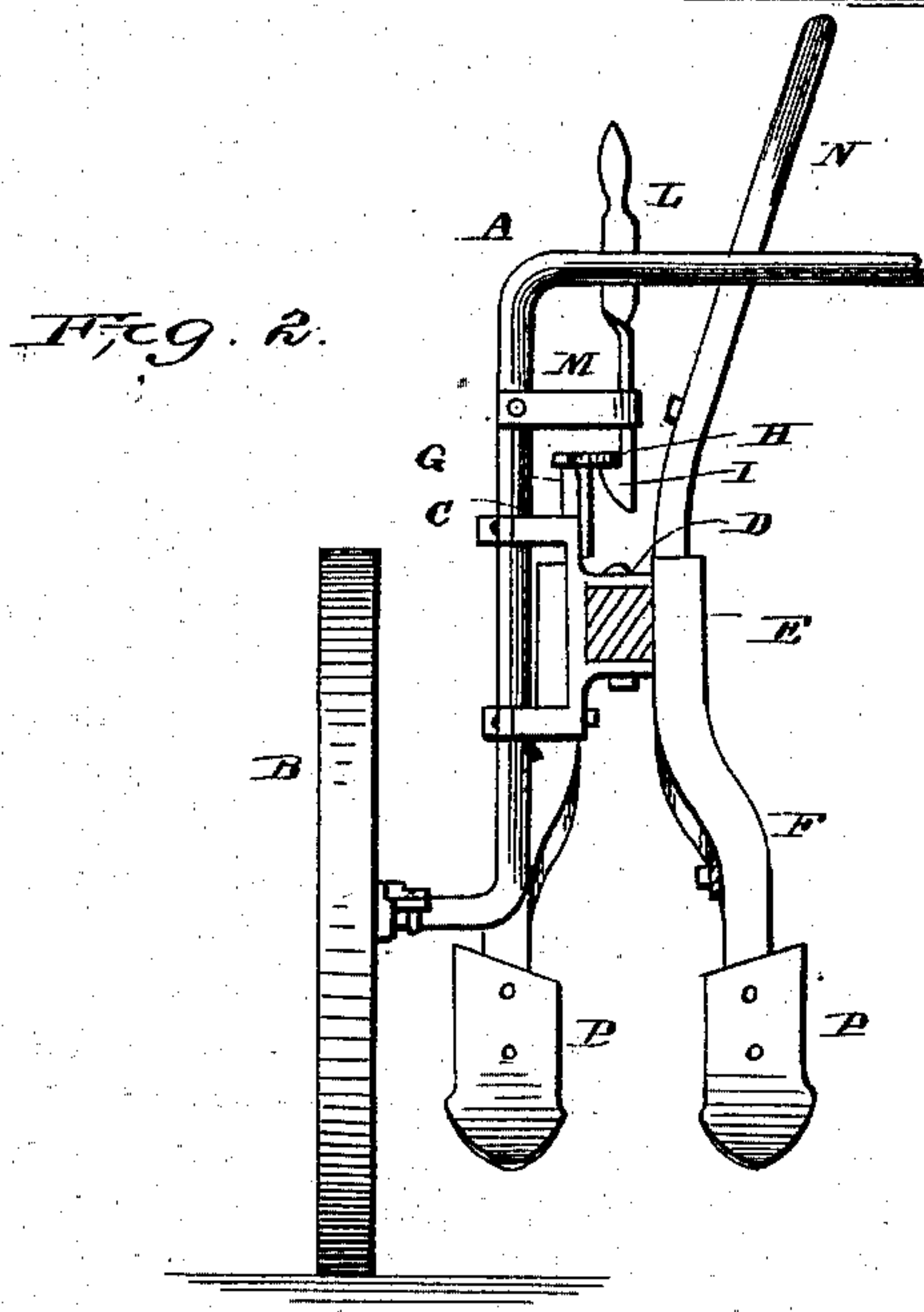
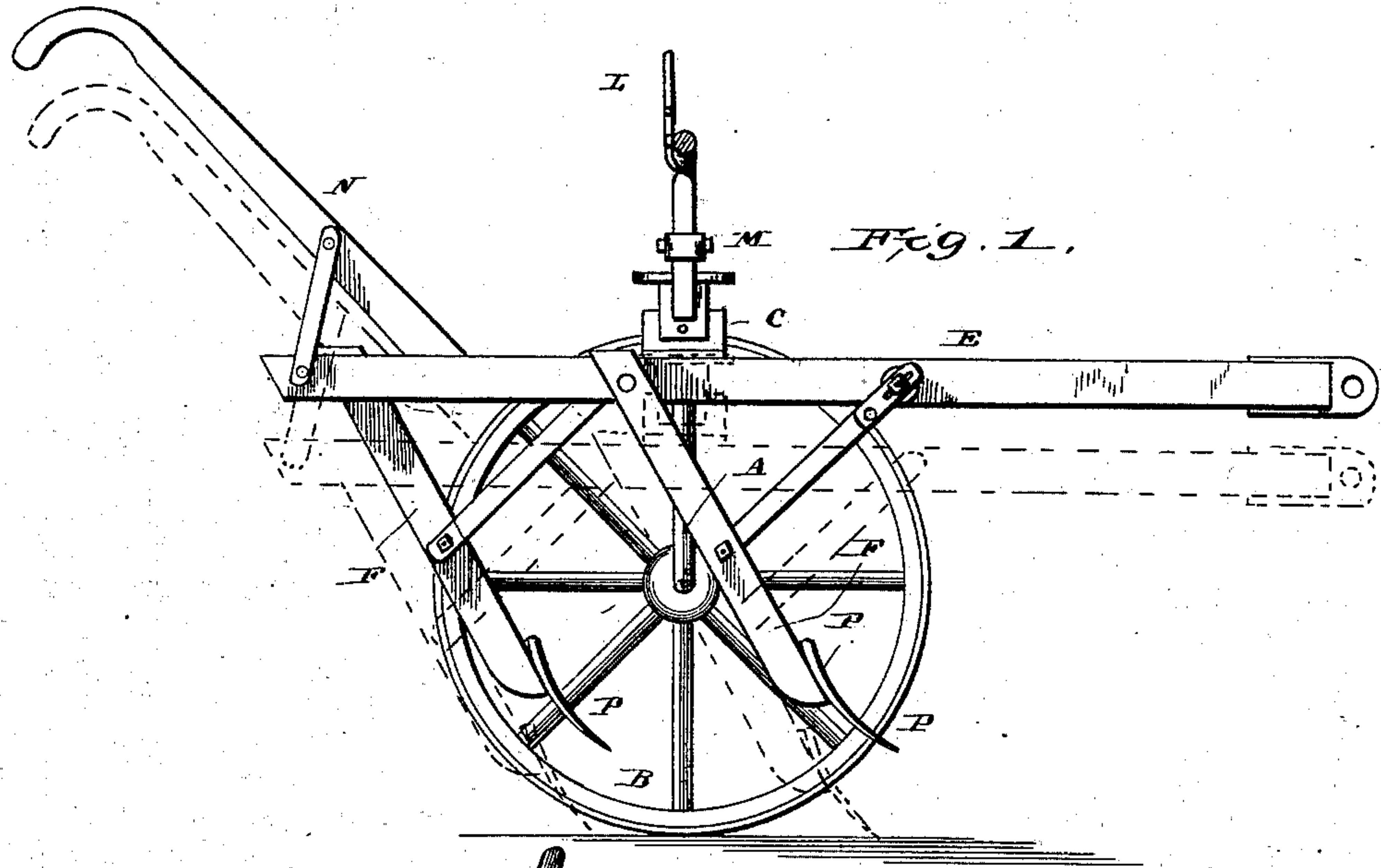
(No Model.)

T. B. JEWETT.

CULTIVATOR.

No. 274,784.

Patented Mar. 27, 1883.



Witnesses.

Edwin L. Yerville.
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UNITED STATES PATENT OFFICE.

THOMAS B. JEWETT, OF STEUBENVILLE, OHIO.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 274,784, dated March 27, 1883.

Application filed October 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS B. JEWETT, of Steubenville, in the county of Jefferson, and in the State of Ohio, have invented certain new and useful Improvements in Cultivators; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in straddle-row wheel-cultivators; and it has for its objects to provide certain improved means of hanging the plow-beams to the axle so as to permit the plows to be operated conveniently in cultivating growing crops, and to be quickly and easily elevated when turning the end of a row, and to perfectly balance the beams of the plows, so that they may be handled with ease, as more fully hereinafter specified. These objects I attain by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a longitudinal section of my improved cultivator. Fig. 2 represents a transverse sectional view of a portion of the cultivator; and Fig. 3, a detached perspective view enlarged, showing the connections by means of which the plow-beams are secured to the axle and held in an elevated position thereon.

The letter A indicates an axle, which is constructed of a metallic bar bent so as to straddle the row, and provided with the wheels B. To the vertical portions of the axle at each side are loosely secured the brackets C in such manner that they may be readily oscillated and moved vertically on the vertical portions of the axle before mentioned. The brackets are provided with lugs or ears D at one side, between which the plow-beams E are secured. The said beams are provided with the usual standards, F, which are so located as to be between the wheels when the beams are in place and to cause the ends of the beams to balance each other, so that the plows may be controlled with little exertion, and permit the cultivator

to be readily turned at the end of the row. The brackets are provided with vertical studs G, which have horizontal segments H, which are engaged by the hooks I at the lower ends of the vertical levers L when the plows are elevated, the levers being secured to the bars M, which are fulcrumed to the vertical portions of the axle.

The letter N indicates the handles, one attached to each plow-beam at the rear in any convenient manner. The plow-standards are provided with the usual shovels or shares, P, at their lower ends, and the beams at their forward ends are provided with single-trees, by means of which they may be independently hitched to two draft-animals.

It will be seen that the cultivator constructed, as described, with independently-operating plows, being so as to bring the standards and shovels between the wheels, may be readily handled so as to guide the plows as required in cultivating the row, and when the end of the row is reached, by elevating the plows will be elevated until the segments engage the hooked levers, and permitting the row to be turned with rapidity and ease. To drop the plows it is simply necessary to shift the levers, when the parts assume their normal positions.

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

The combination, in a cultivator, of the bent axle, the movable brackets screwed to the vertical portions thereof, and provided with studs having horizontal segments, the hooked levers adapted to engage the segments and hold the plows in an elevated position, and the plow-beams and the plows, substantially as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses, this 20th day of October, 1882.

T. B. JEWETT.

Witnesses:

CHAS. D. DAVIS,
WM. ALEXANDER.