

W. Mason,

Gang Flow.

No. 102,136.

Patented Nov. 8, 1870.

fig. 1.

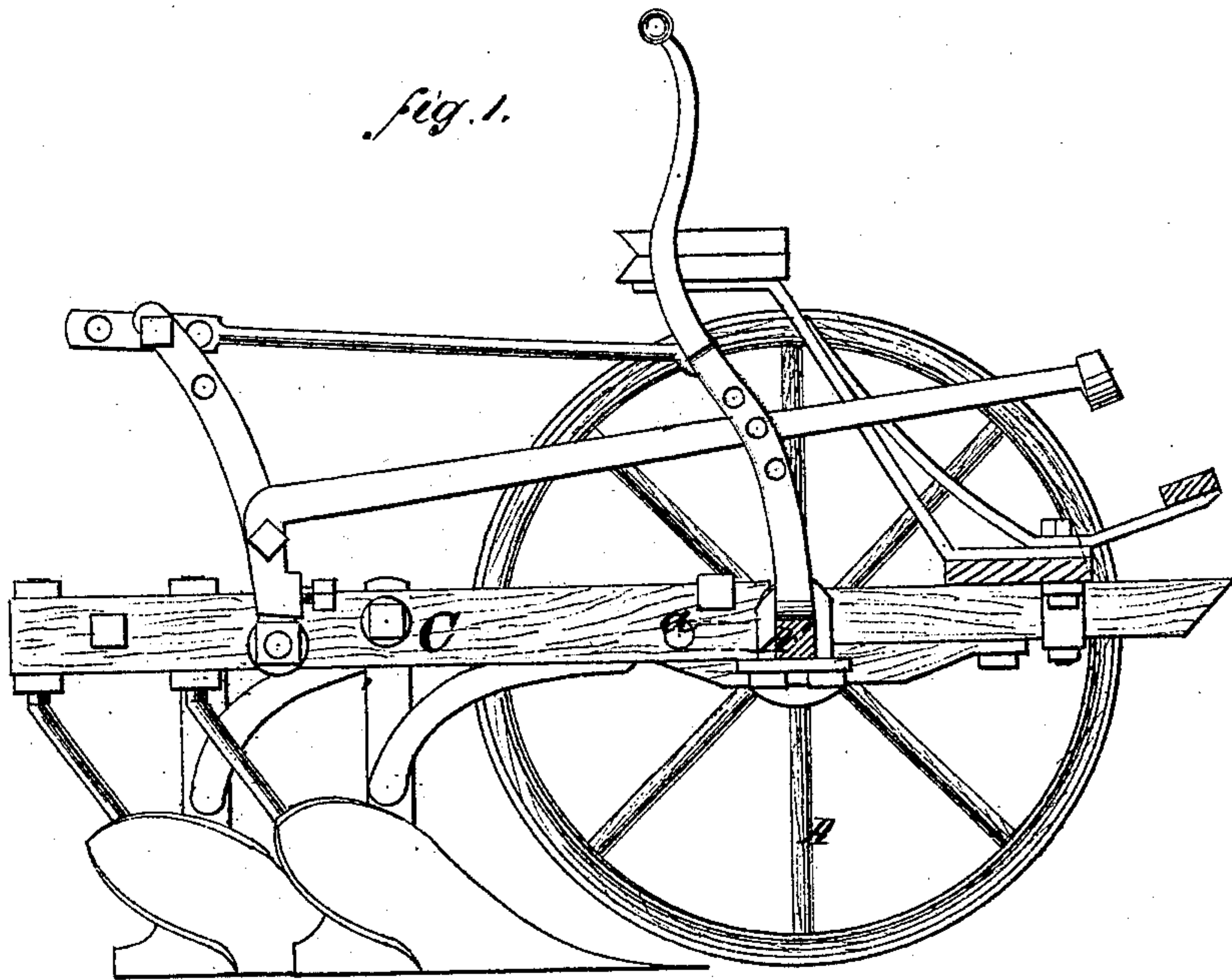
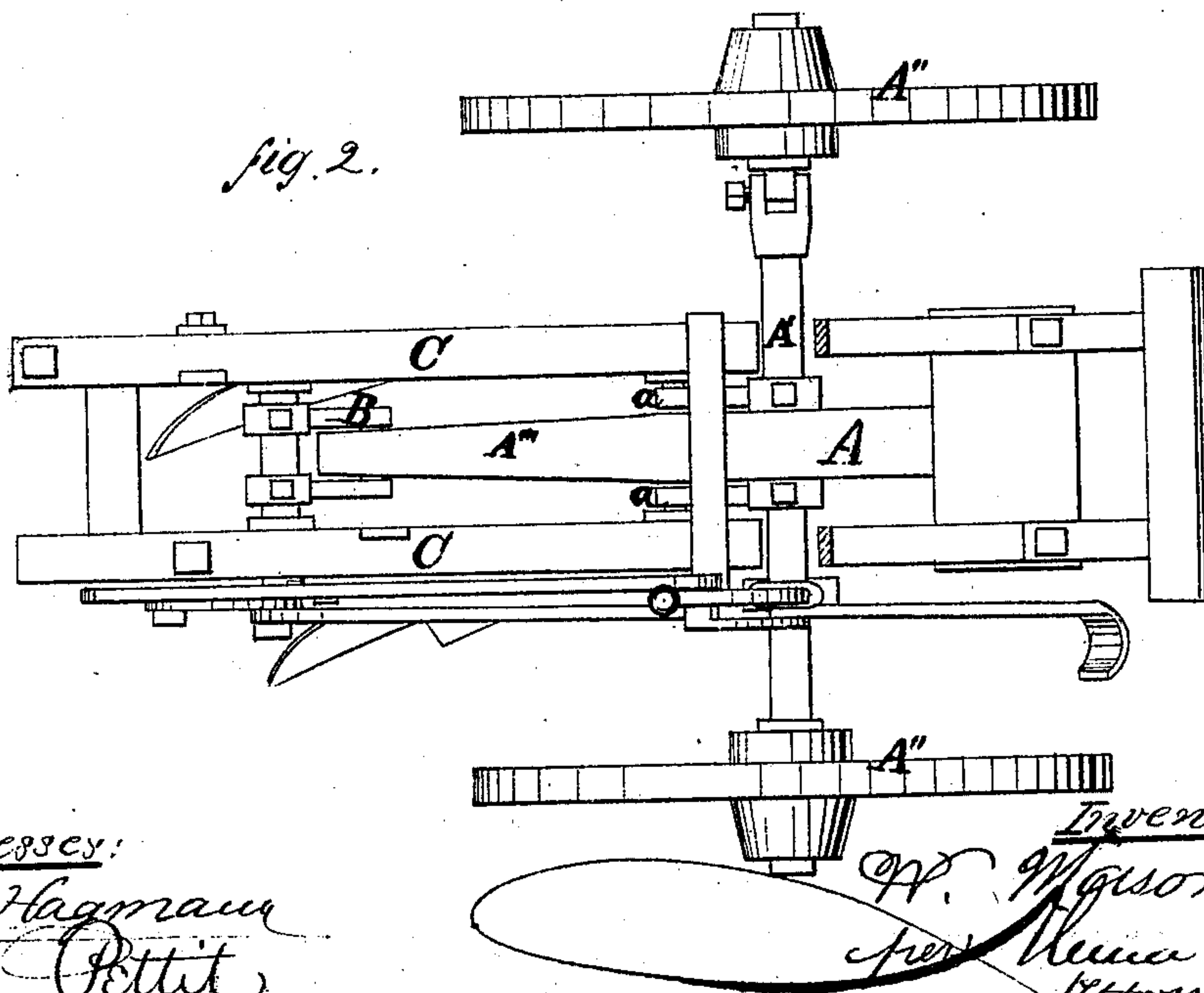


fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM MASON, OF INDEPENDENCE, OREGON.

IMPROVEMENT IN GANG-PLOWS.

Specification forming part of Letters Patent No. **109,136**, dated November 8, 1870.

To all whom it may concern:

Be it known that I, WILLIAM MASON, of Independence, in the county of Polk and State of Oregon, have invented a new and Improved Gang-Plow; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is a side elevation, and Fig. 2 is a plan view.

This invention relates to an improvement on the plow for which Letters Patent of the United States were granted me January 12, 1869.

The invention simplifies the construction shown in said patent to such a degree that but three longitudinal bars are required to constitute the frame, plow-beams, and tongue.

The invention consists in the arrangement of the tongue and its rearward extension, the axle, crank, crank-arms, plow-beams, and system of levers and connecting-rods, as hereinafter described.

Referring to the accompanying drawing, A represents the tongue, through which the axle A' passes, and A''' the rearward extension thereof. B indicates crank-arms, whose journal parts work respectively in a longitudinal slot in the extension A''' and pass through the plow-beams C C transversely. *a a* are crank-arms fixed on the axle, and having journals passing through the forward ends of the beams.

The system of levers and connecting-rods is the same, substantially, as shown in my patent.

It will be observed that the tongue and frame consists of three pieces, and the first remains always stationary while the beams and plows are raised and lowered, without, however, losing their parallelism to the tongue.

The extension A''' is the fulcrum of the crank-arms B, and the beams the fulcrum of the arms *a a*, both sets of arms necessarily pointing toward each other.

By this improvement the cost of constructing the plow and also its weight are greatly lessened, its strength increased, and I consider it more effective than the patented plow, less liable to get out of order, and more quickly and easily manipulated, while it is also manifestly more trim in appearance. It can be taken to pieces and packed for transportation in less time, and in that condition will occupy smaller space.

Having thus described my invention, what I claim is—

The tongue A, extension A''', crank-arms B and *a a*, and axle A', constructed, arranged, and combined with the plow-beams C C and system of levers and connecting-rods, as shown and described, and for the purpose specified.

WILLIAM MASON.

Witnesses:

N. H. BUTLER,
H. LINDSAY.