

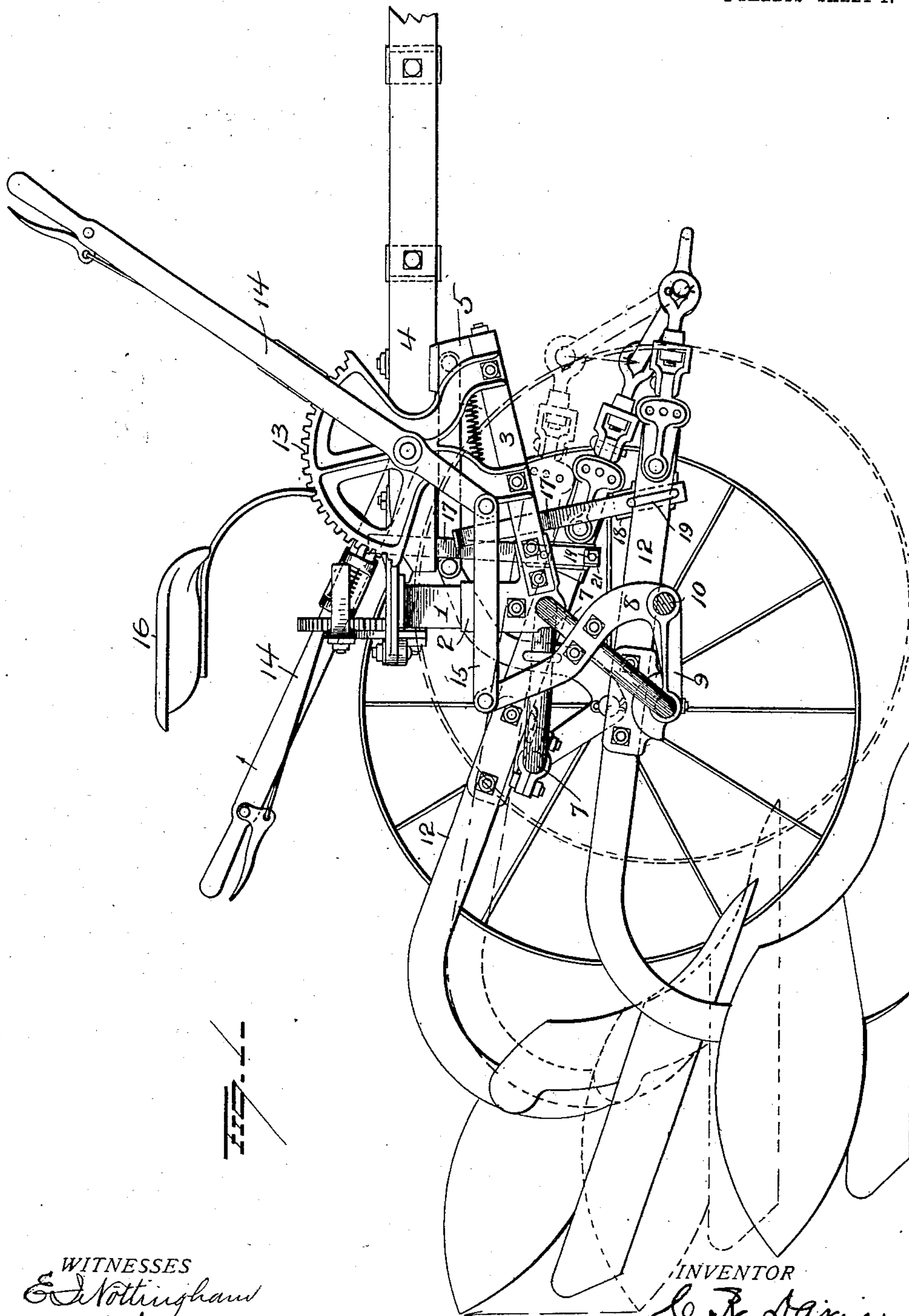
No. 891,673.

PATENTED JUNE 23, 1908.

C. R. DAVIS.
PLOW.

APPLICATION FILED OCT. 17, 1907.

2 SHEETS—SHEET 1.



WITNESSES
E. Nottingham
G. J. Downing

INVENTOR
C. R. Davis
By H. A. Seymour
Attorney

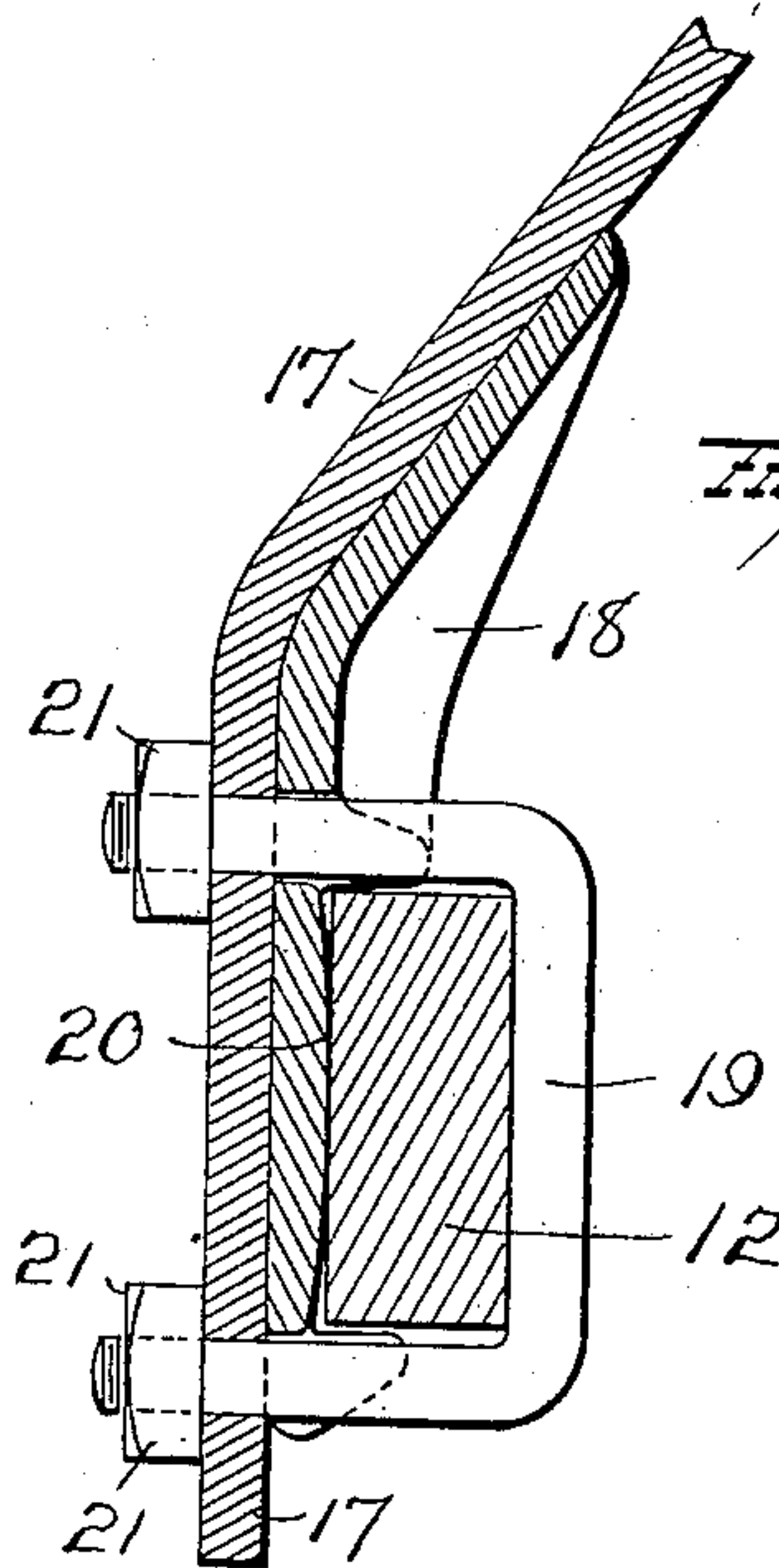
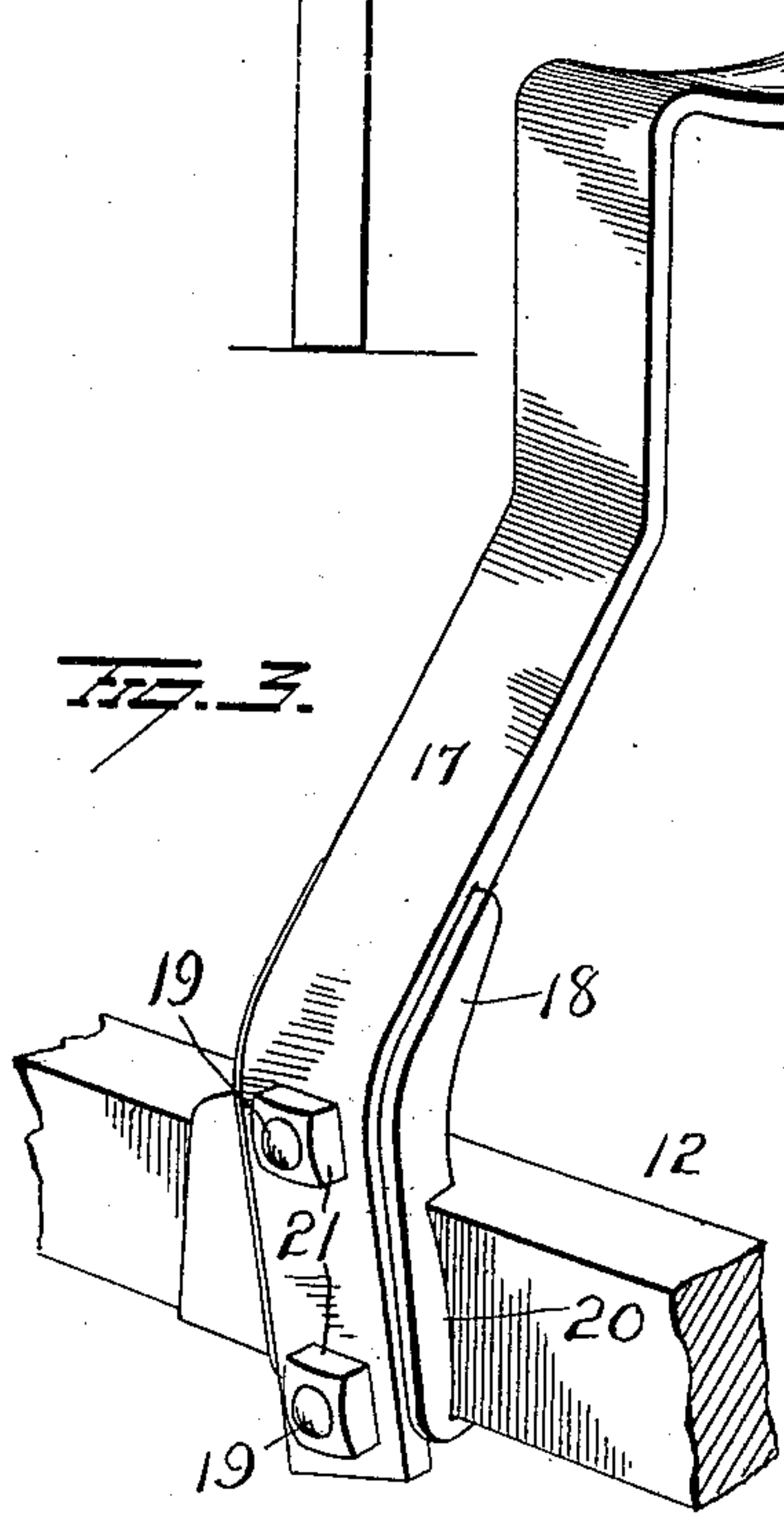
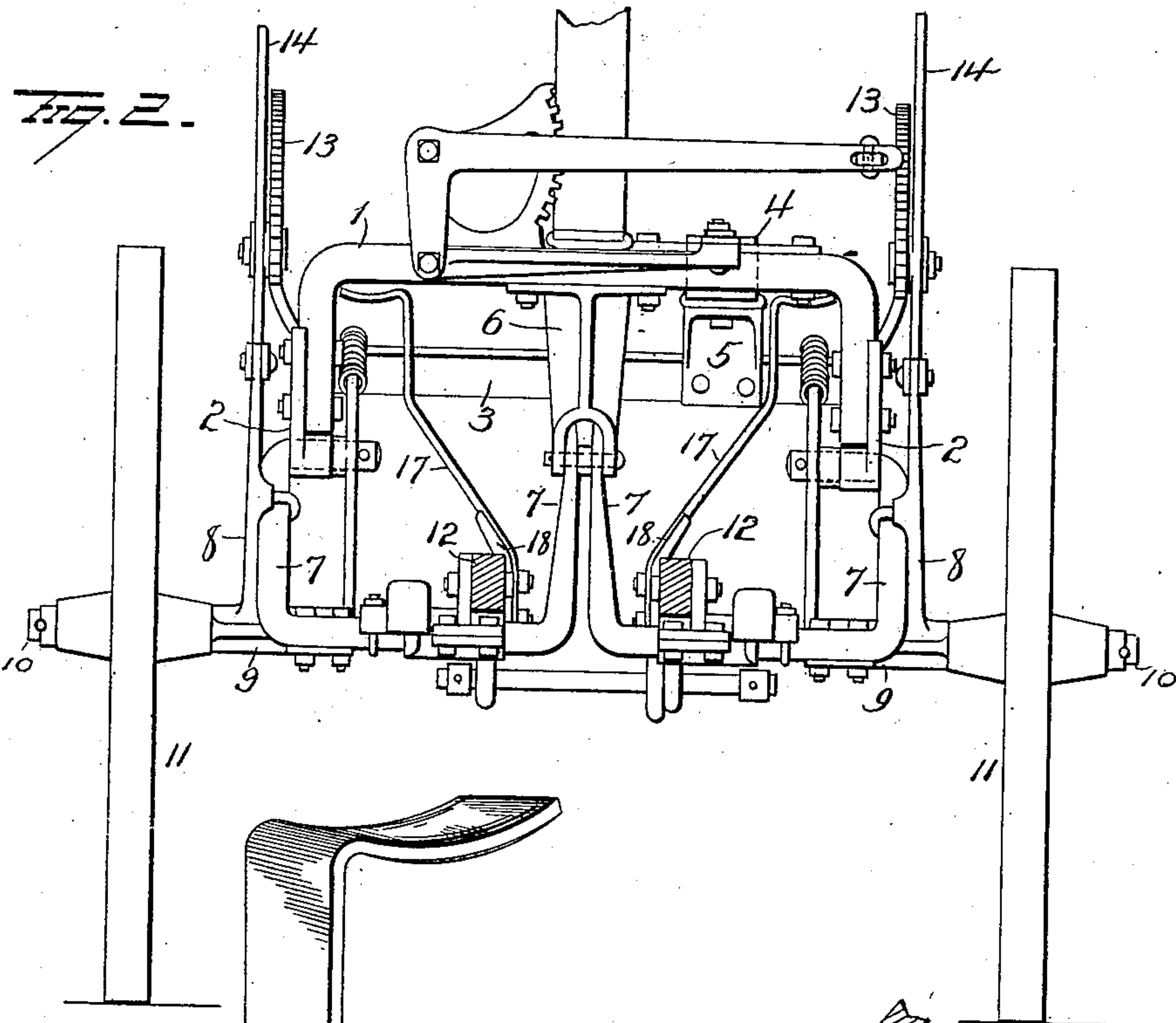
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UNITED STATES PATENT OFFICE.

CALVIN R. DAVIS, OF SOUTH BEND, INDIANA, ASSIGNOR TO OLIVER CHILLED PLOW WORKS,
OF SOUTH BEND, INDIANA.

PLOW.

No. 891,673.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed October 17, 1907. Serial No. 397,897.

To all whom it may concern:

Be it known that I, CALVIN R. DAVIS, of South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to plows and more particularly to sulky plows of the reversible type which employ two independently movable plows and plow-beams.

With many plows of the type above referred to, as heretofore constructed, it has required considerable effort on the part of the operator to cause the plow points to properly enter the ground and in some cases the desired depth of furrow could not be insured.

It is the object of my invention to obviate these insufficiencies and to provide means whereby the operator can, with slight effort, insure the proper entrance of the points of the plows into the ground when the plows are lowered and to cause a proper and uniform depth of furrow to be made as soon as the plows shall have been lowered and the forward progress of the machine begun.

With these objects in view my invention consists in certain novel features of construction and combinations of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is an elevation of a reversible plow embodying my improvements. Fig. 2 is a rear view, and Figs. 3 and 4 are enlarged detail views illustrating the manner of attaching the foot lever to the plow-beam.

1 represents an arch, to the depending members of which brackets 2 are secured. The rear ends of the side-members of a rectangular frame 3 are secured to the brackets 2. This frame is disposed in an inclined position; projects forwardly from the arch and is secured at its forward end to a tongue 4 by means of a bracket 5,—the rear end of said tongue being connected with arch 1.

A bracket 6 depends from the central portion of the arch 1 and is provided with bearings for the inner members of two bails 7,—the outer members of said bails having bearings in the brackets 2. Arms 8 are secured between their ends, to the outer members of the respective bails 7, and at the lower ends

of the arms 8 other arms 9 are provided and connected at their rear ends with the horizontal portions of the bails 7. At the juncture of the arms 8—9, axle stubs 10 are provided for carrying wheels 11.

A plow-beam 12 is mounted, at a point between its ends, upon the respective bails 7 and the forward ends of the plow-beams are provided with suitable draft devices.

A toothed-segment bracket 13 is secured to each side member of the rectangular-frame 3. Hand-levers 14 are pivoted to the brackets 13 and the lower ends of each hand-lever is connected, through the medium of a pitman 15, with the upper end of arm 8. Means are thus provided whereby the operator can, when in position upon the seat 16, raise and lower the plows independently of each other by manipulating the hand-levers 14.

For the purpose of causing the plow points to properly enter the ground when the plows are lowered, I provide foot-levers 17,—one of such levers being secured to the forward portion of each plow-beam and the upper ends of said foot-levers projecting upwardly through the rectangular frame 3 so as to be disposed within convenient reach of the operator. To connect the foot-levers with the plow-beams, I employ brackets 18 and clamping-bails 19. The inner face of each bracket 18 is preferably recessed to receive the lower end of the foot-lever and the outer face is provided with a curved or convex seat 20 for the plow-beam. The arms of the bail 19 pass through the bracket 18 and the lower portion of the lever and are provided with threaded ends to receive nuts 21. It is apparent that when the nuts 21 are screwed home the foot-levers will be securely clamped to the plow-beams. By providing the brackets 18 with curved-seats against the plow-beams, the foot-levers can be adjusted laterally by loosening a nut on one bail arm and tightening the nut on the other bail arm.

In operating the machine, the operator will press down on a foot-lever 17 at the same time that he will be pressing forward on a hand-lever 14. By pressing the foot-lever, the front end of the plow-beam will be depressed, thus placing the plow on its point and when in that position the hand lever may be pressed forward and locked with but slight effort. The plow will enter the ground and reach a full depth of furrow promptly.

Having fully described my invention what

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

1. The combination with a plow - beam provided at its rear end with a plow and means for pivotally supporting the plow-beam between the ends of the latter, of a foot-lever attached to the forward portion of the plow-beam, and means for effecting lateral adjustment of the upper end of said foot-lever.

2. The combination with a plow - beam provided at its rear end with a plow, means for pivotally supporting the plow-beam between the ends thereof and means for raising and lowering the plow-beam and plow, of a foot-lever, a bracket secured to said foot-lever, said bracket having a convex-seat against the forward portion of the plow-beam, and means for clamping said bracket and foot-lever to the plow-beam.

3. The combination with a plow - beam provided at its rear end with a plow, means for pivotally supporting said plow-beam between the ends thereof and means for raising and lowering the plow-beam and plow, of a foot-lever, a bracket to receive the lower end of said foot-lever, said bracket having a convex-seat against the forward portion of the plow-beam, a bail embracing the plow-beam and having its parallel members passing through the bracket and said lever and nuts on the free ends of the bail members.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

CALVIN R. DAVIS.

Witnesses:

THOS. A. FREEMAN,
FRANCIS C. NIPPOLD.