

No. 883,435.

PATENTED MAR. 31, 1908.

W. E. WALDEN.

MEANS FOR ATTACHING IMPLEMENTS TO CULTIVATOR FRAMES.

APPLICATION FILED AUG. 27, 1907.

2 SHEETS—SHEET 1.

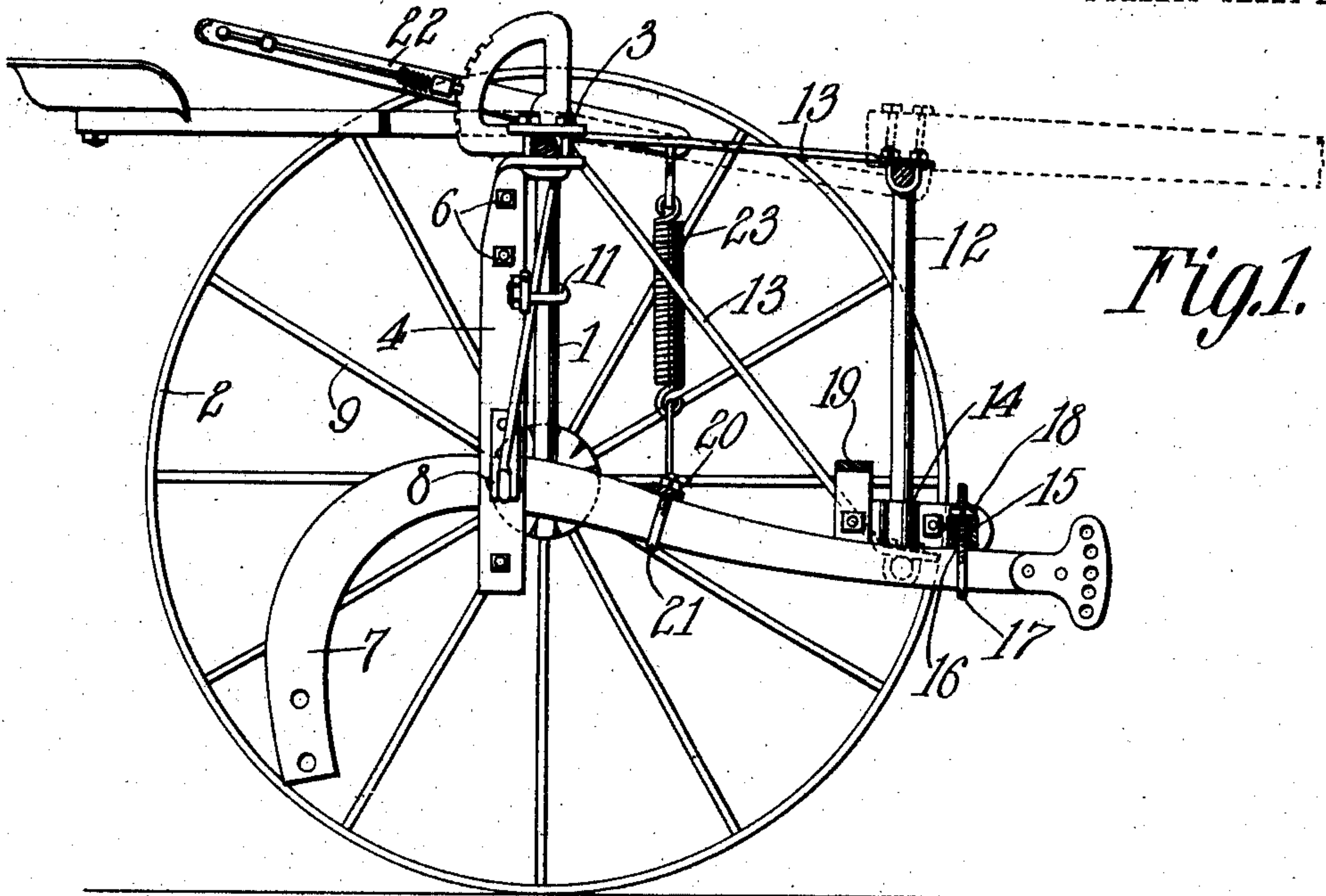


Fig. 1.

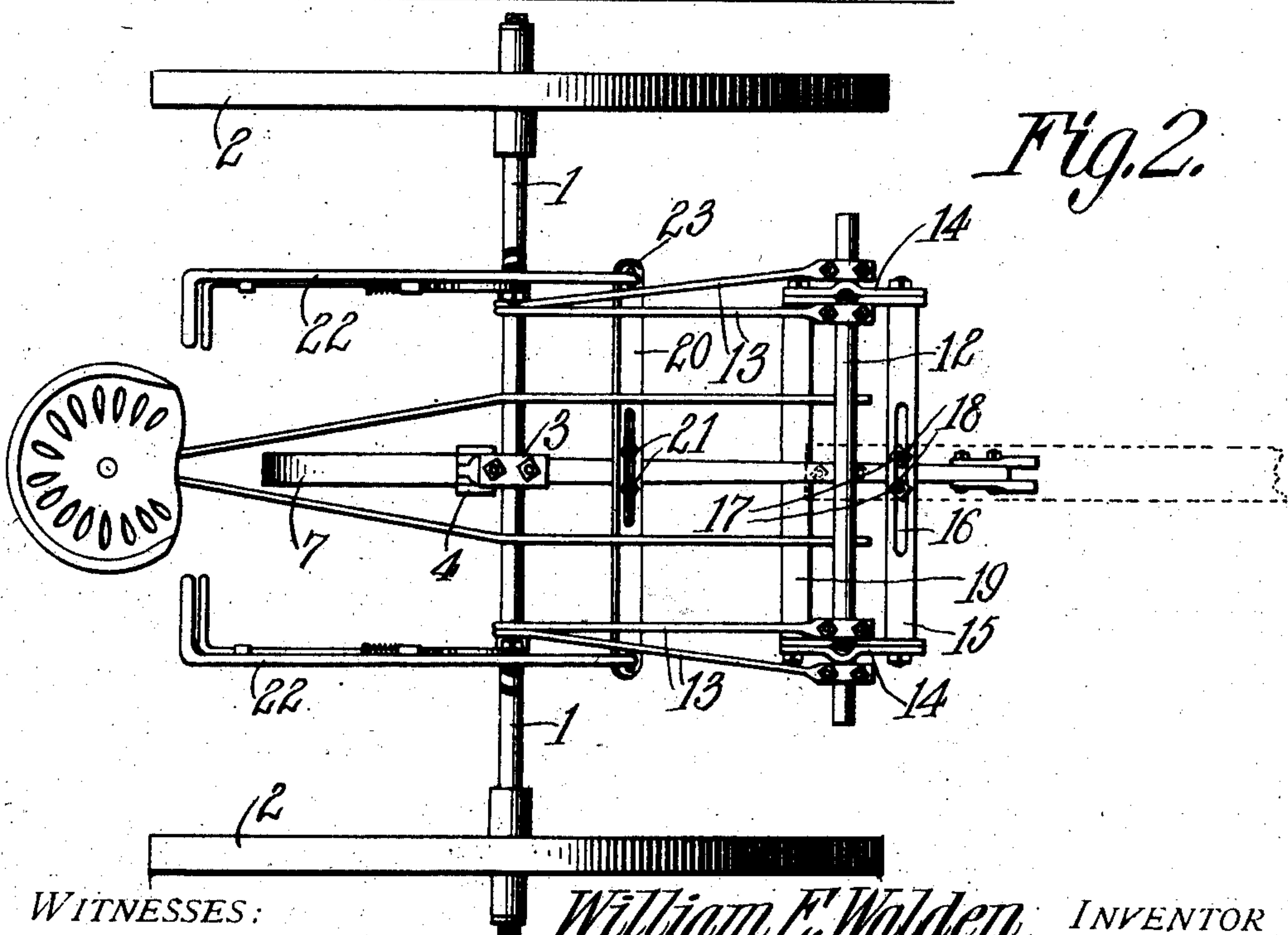


Fig. 2.

WITNESSES:

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ATTORNEYS

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Fig. 3.

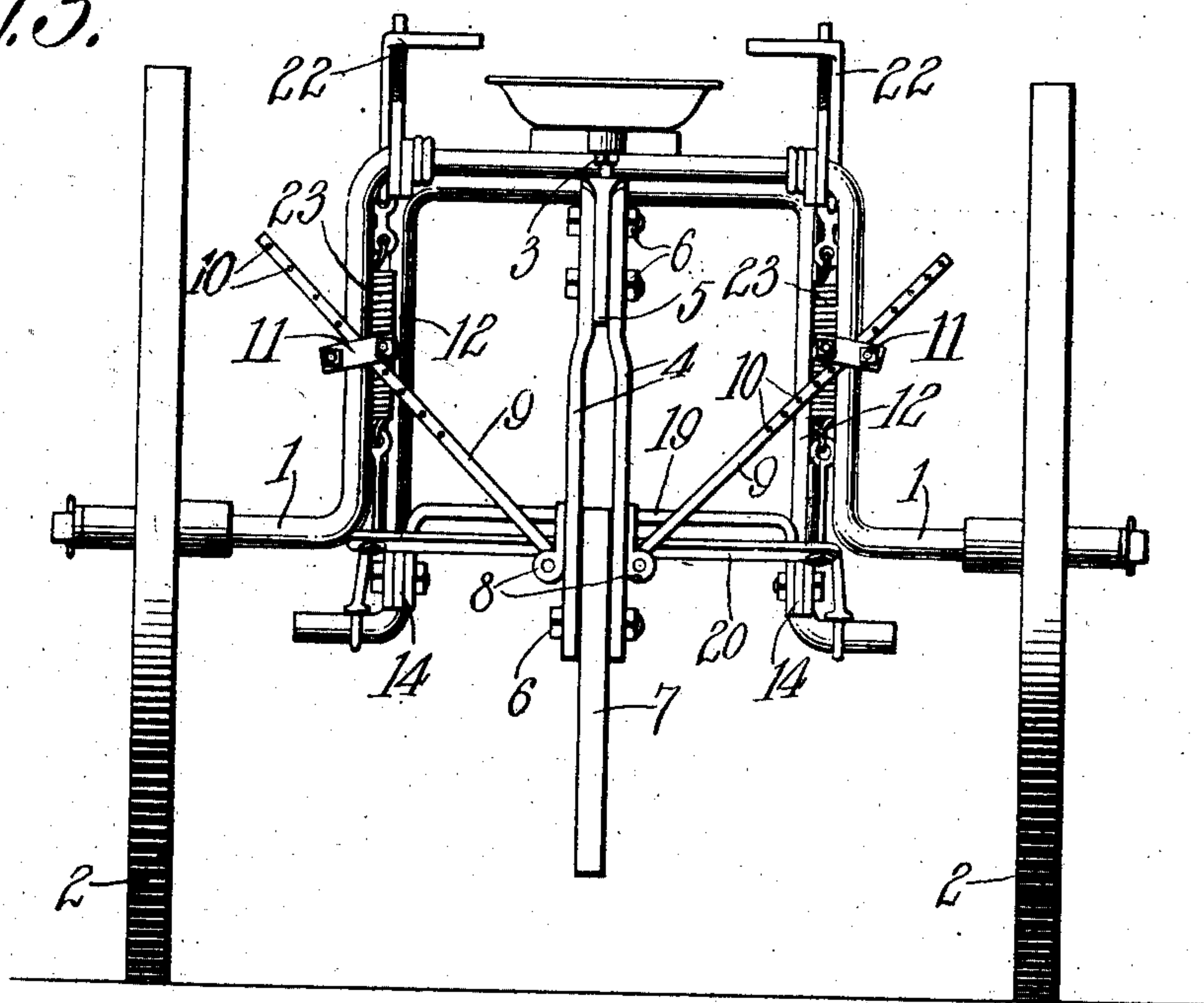
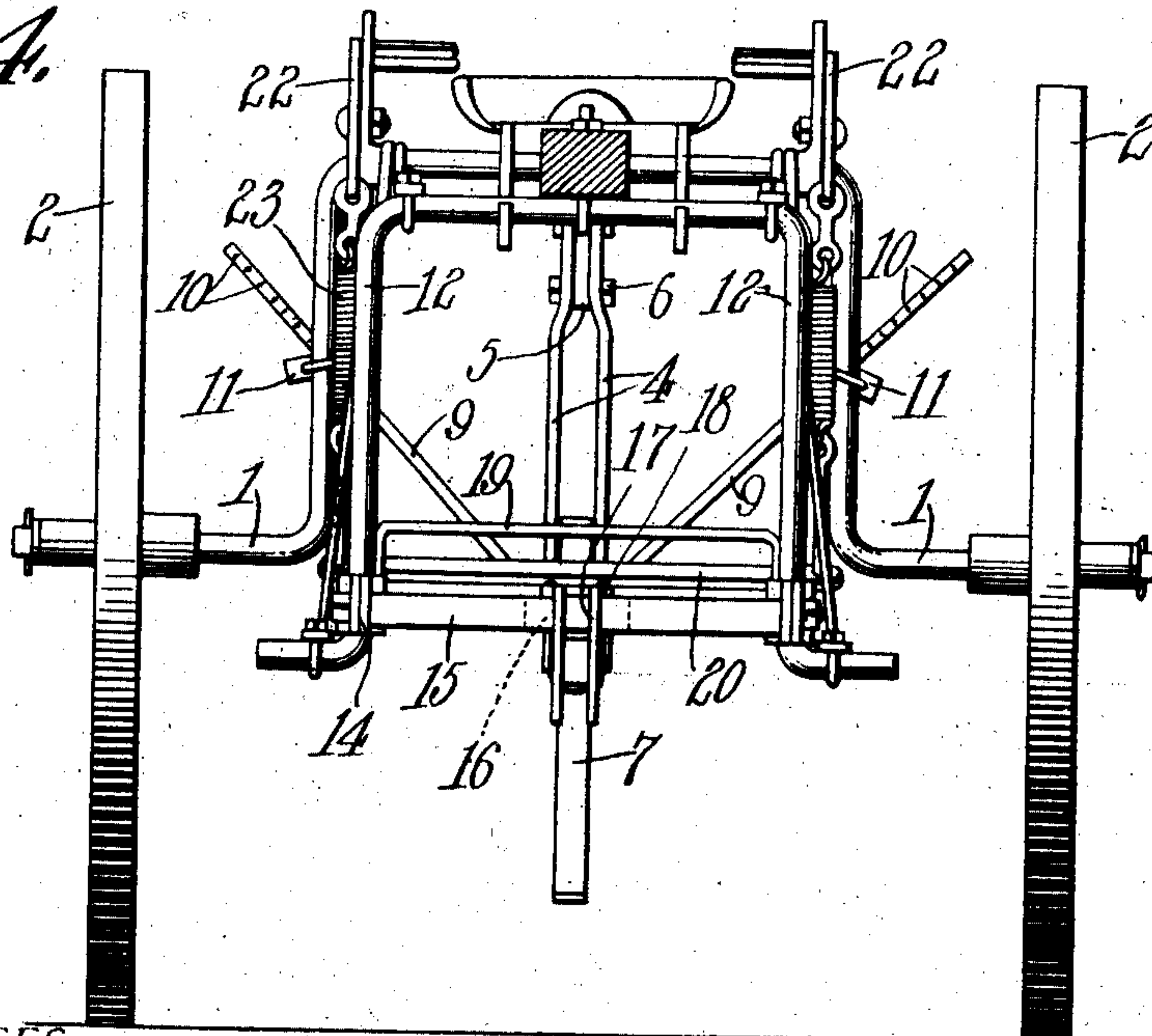


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM E. WALDEN, OF MARIETTA, OKLAHOMA, ASSIGNOR OF ONE-HALF TO WILLIAM S. HALE, OF MARIETTA, OKLAHOMA.

MEANS FOR ATTACHING IMPLEMENTS TO CULTIVATOR-FRAMES.

No. 883,435.

Specification of Letters Patent.

Patented March 31, 1908.

Application filed August 27, 1907. Serial No. 390,313.

To all whom it may concern:

Be it known that I, WILLIAM E. WALDEN, a citizen of the United States, residing at Marietta, county of Love, Oklahoma, have
5 invented a new and useful Means for Attaching Implements to Cultivator-Frames, of which the following is a specification.

This invention has relation to means for attaching plows and similar implements to
10 the frames of riding cultivators and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a
15 means of especial construction to be attached to riding cultivators to which a plow, lister, or planter beams may be readily attached whereby the implement is converted
20 from a walking implement into one upon which the operator may ride. The attaching means is so constructed that the beam of the implement may be shifted to one side or the other with relation to the supporting wheels of the cultivator and the beam of the
25 implement is free for limited vertical swing while in operation.

In the accompanying drawing:—Figure 1 is a side elevation of attachment attached to a riding cultivator. Fig. 2 is a top plan
30 view of same. Fig. 3 is a rear elevation of the same, and Fig. 4 is a front elevation of same.

The plow attachment consists of the clamping plates 3 which can be attached to
35 the intermediate portion of the axle 1 of a riding cultivator as shown in the drawing and may be shifted longitudinally along the said axle. The guides 4 depend from the lower member of the plates 3. The said
40 guides are held apart at suitable distances by means of the blocks 5 interposed between them and held by the clamping bolts 6. The said guides are adapted to receive between them the beam 7 of a plow or other
45 implement and the distance from one guide to the other depends upon the breadth of the plow beam operating between them. Each of the guides 4 is provided upon its lower outer side with a lug 8 to which is pivotally attached
50 one end of a rod 9. The rods 9 are provided with roughened surfaces 10. The U-clamps 11 are adjustably located upon the vertical side portions of the arch axle 1 of the cultivator and engage or bind the rods 9 against
55 the said portions of said axle. The rods 9

form braces for the lower portion of the guides 4 and may be pitched at any desired angle to the said guides. The roughened surfaces 10 hold the said rods against slipping in the U-clamps 11. The clamping
60 plates 14 are adjustably located upon the vertical side portions of the arch bar 12 of the cultivator as per drawing and the cross bar 15 is pivotally mounted between the forward ends of the opposite set of clamping plates 14.
65 The cross bar 15 is provided with an elongated slot 16 which receives the side portions of the U-clamp 17. Said U-clamp passes under the forward portion of beam 7 and is fixed with relation thereto by means of the nuts
70 18 screw-threaded upon the said clamp and lying upon the top of the said bar. The rear end portions of the clamping plates 14 are connected together and held at proper relation to each other by means of the inverted
75 U-shaped cross piece 19. The cross bar 20 is attached by means of a clamp 21 to the beam 7 and is attached to the levers 22 of the cultivator by means of the chains 23.

From the foregoing description it is obvious
80 that the parts may be so adjusted as to hold the beam of an attached implement to one side or the other of the cultivator frame, that the beam of the implement may be pitched at an angle to the line of draft and
85 that the beam of the implement is free for limited vertical swing. By manipulating the levers 22 the attached implement may be elevated above the surface of the ground or the depth at which it will operate in the
90 ground may be regulated; at the same time the parts of the plow attachment are effectually braced and may be adjusted to meet all usual conditions and requirements.

Having described my invention what I
95 claim as new and desire to secure by Letters-Patent is:—

1. In combination with a cultivator frame, a means for attaching the beam of an implement thereto comprising guides depending from the cultivator frame and adapted to be shifted laterally thereof, brace rods attached to the lower portions of the guides and clamping mechanism for securing said
100 brace rods to the cultivator frame.

2. In combination with a cultivator frame, a means for attaching an implement beam thereto, comprising guides depending from the cultivator frame, brace rods pivotally attached to the lower portions of the guides
110

and clamping means for securing the brace rods to the cultivator frame.

3. In combination with a cultivator frame, a means for attaching an implement beam
5 thereto comprising guides depending from the frame of the cultivator, clamping plates adjustably mounted upon the forward portion of the cultivator frame, a slotted cross
10 bar pivotally mounted between the clamping plates and a cross piece also connecting the clamping plates together.

4. In combination with a cultivator frame, a means for attaching an implement beam

thereto, comprising guides depending from the cultivator frame, a slotted cross bar 15 pivotally mounted at the forward portion of the cultivator frame and a clamping means adjustably located in the slot of said cross bar.

In testimony that I claim the foregoing as 20 my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM E. WALDEN.

Witnesses:

L. F. BUTLER,
E. WHITE.