

(No Model.)

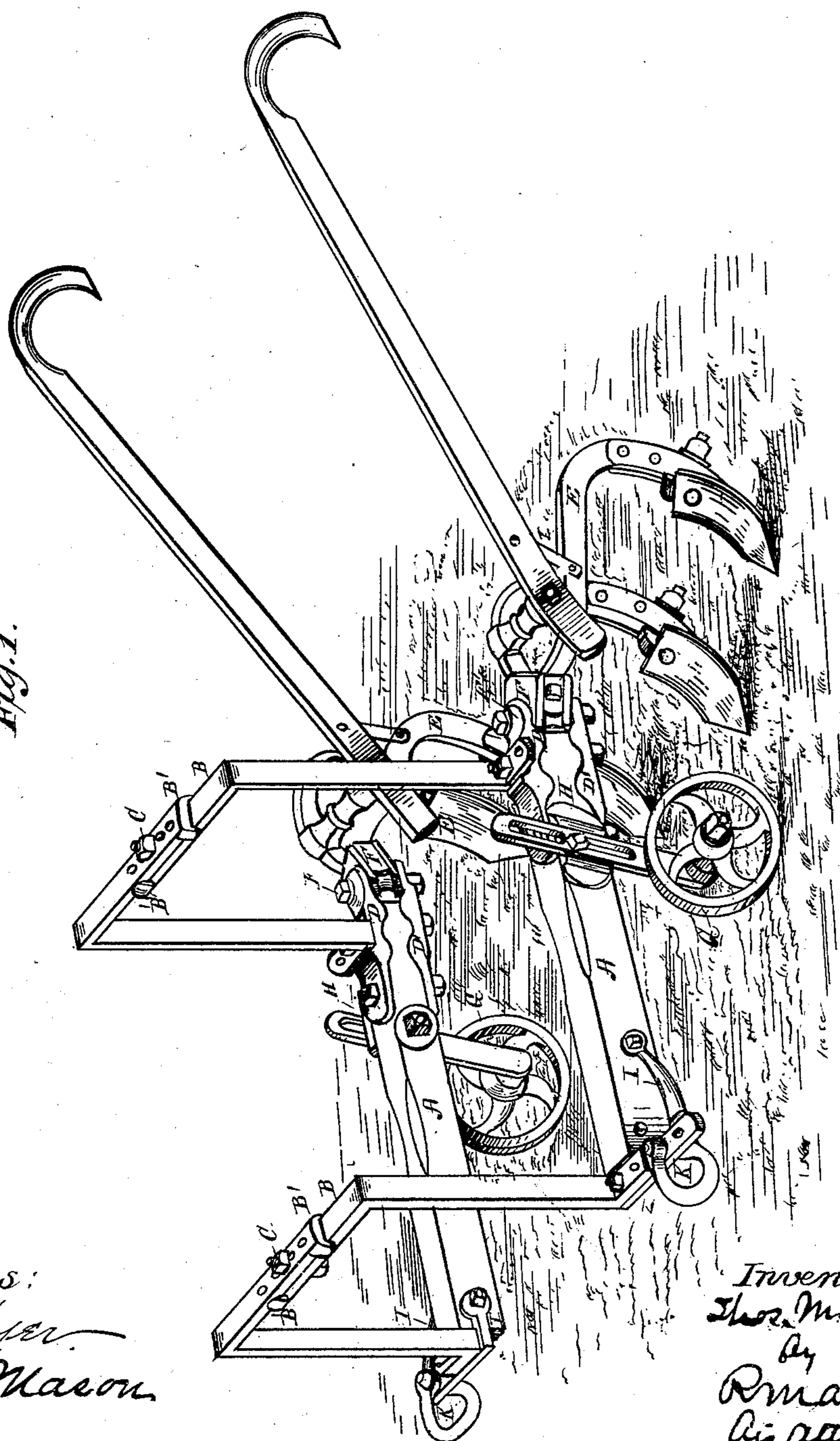
3 Sheets—Sheet 1.

T. MEIKLE.  
CULTIVATOR.

No. 257,039.

Patented Apr. 25, 1882.

Fig. 1.



Witnesses:  
*Chas. Hyer*  
*J. G. Mason*

Inventor:  
*Thos. Meikle*  
By  
*R. Mason*  
his atty.

(No Model.)

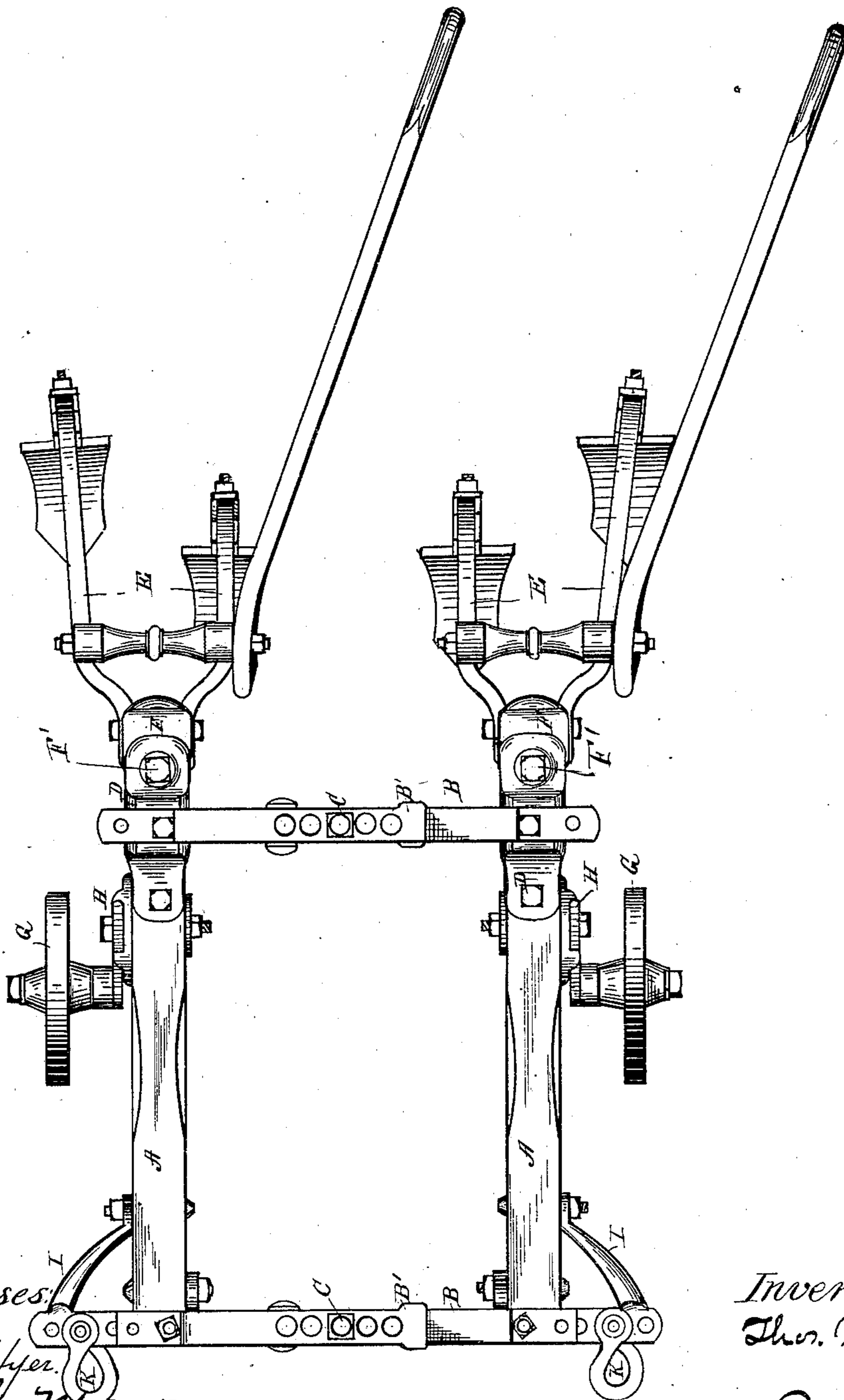
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CULTIVATOR.

No. 257,039.

Patented Apr. 25, 1882

Fig. 2.



Witnesses:

*Wm. H. Hyer.*  
*J. L. Mason.*

*Inventor:*  
*Thos. Meikle*  
*by*  
*R. Mason*  
*his atty.*

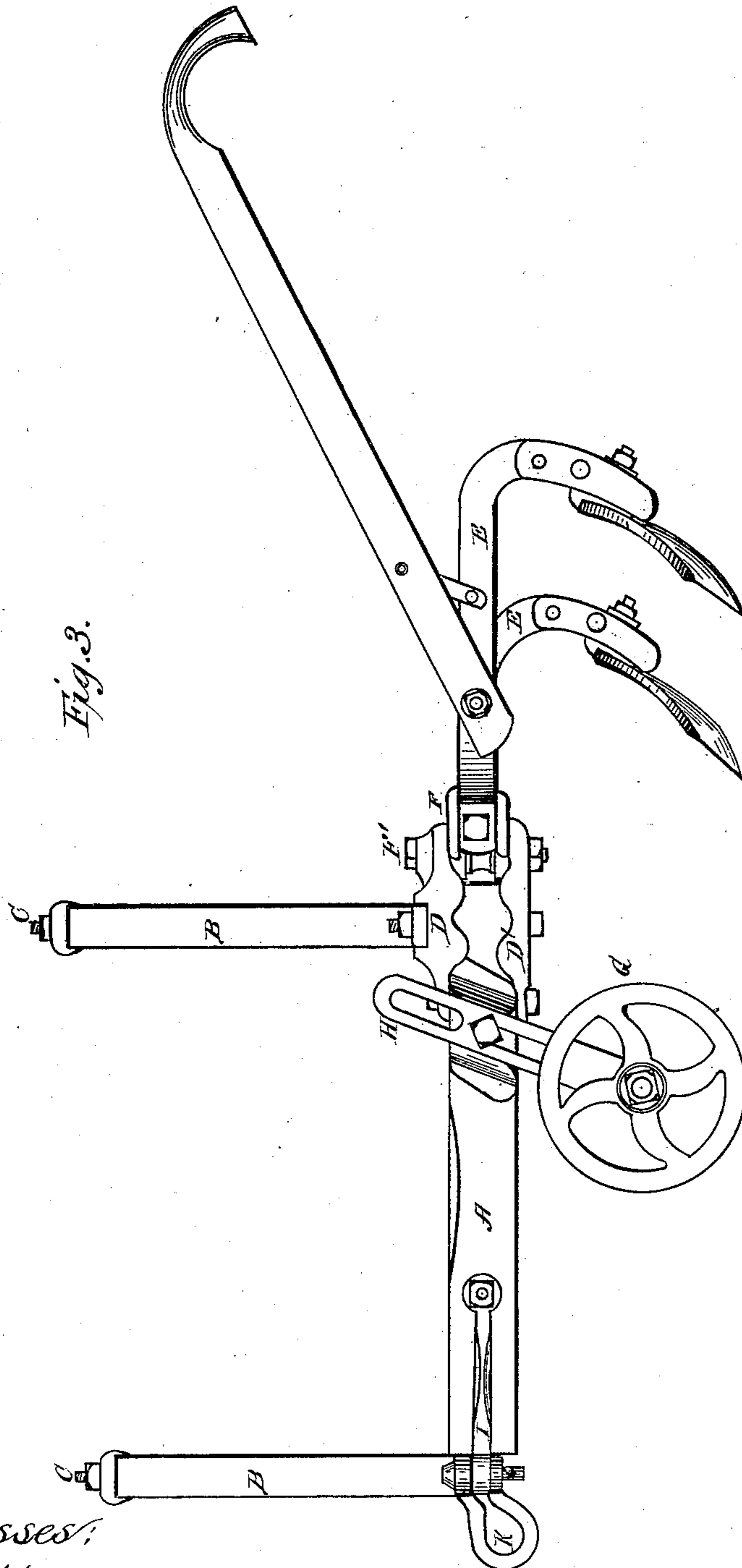
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T. MEIKLE.  
CULTIVATOR.

No. 257,039.

Patented Apr. 25, 1882.



Witnesses:  
L. S. Tyler  
J. B. Mason.

Inventor:  
T. Meikle  
by  
J. B. Mason his  
Atty.

# UNITED STATES PATENT OFFICE.

THOMAS MEIKLE, OF LOUISVILLE, KENTUCKY, ASSIGNOR TO THOMAS MEIKLE & CO., OF SAME PLACE.

## CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 257,039, dated April 25, 1882.

Application filed November 21, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS MEIKLE, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful  
5 Improvement in Straddle-Row Cultivators, of which the following is a specification.

My invention relates to a straddle-row cultivator, to which the horses are directly attached without the use of a tongue.

10 In the annexed drawings, making a part of this specification, Figure 1 is a perspective view. Fig. 2 is a plan view, and Fig. 3 is a side elevation.

The same letters are employed in all the figures in the indication of identical parts.

15 A A are parallel beams, which are connected by the adjustable braces B, forming arches. The arches are made in two parts, shaped as shown. The overlapping ends are formed with  
20 lugs at B' to clasp the horizontal part of the other section, and the two parts are firmly connected by bolts C, passing through one of a series of holes formed in each section. The feet of the rearmost arch are bolted between flanges  
25 formed across the face of the plates D, which are bolted to the beams, while the front arch is bolted to brace I, the lower ends of said arches being formed with a series of holes to assist in the lateral adjustment of the beams.

30 D' is a plate below the beam.

E E are pairs of shovel-plows, the beams of which are bolted to the swinging blocks F, pivoted between the parallel plates D and D', which are fastened to the beam in such a manner as to project behind the beams, and so  
35 leave a space to receive the blocks F and permit them to swing freely on their pivotal bolts F'.

G G are the wheels, placed slightly in front of the center of weight, so as nearly to balance  
40 the implement, and thus render it easy for the plowman to move his plows by their handles. These wheels have their axles on the adjustable standards H, which are secured to plates H', fastened to the sides of the beam, and formed  
45 with a recess to receive the standard and plate to be united to the beam by a single bolt.

I is a brace, formed as shown, and extending across the head of the beam and bolted thereto both on the exterior and interior face.  
50 The front arch is adjustably attached to these braces by bolts, as shown, as is also the clevis K fastened adjustably to each.

The mode of fastening the parts by a single bolt is the subject of another application. My  
55 claim herein is restricted to the special combinations by which a straddle-row cultivator is formed in manner as set forth.

What I claim as my invention, and desire  
60 to secure by Letters Patent, is—

1. The combination, in a straddle-row cultivator, of the beams A, adjustable arches B, adjustable wheels G, and swinging plows attached to the rear of the beams, substantially  
65 as set forth.

2. In combination with the beams A and plates D D', the plows E E, each set being attached behind its own beam so as to swing thereon freely horizontally, substantially as  
70 set forth.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS MEIKLE.

Witnesses:

R. B. FORSYTH,  
W. P. CLUNERSAN.