

(No Model.)

D. C. PIERCE.
CULTIVATOR.

No. 371,355.

Patented Oct. 11, 1887.

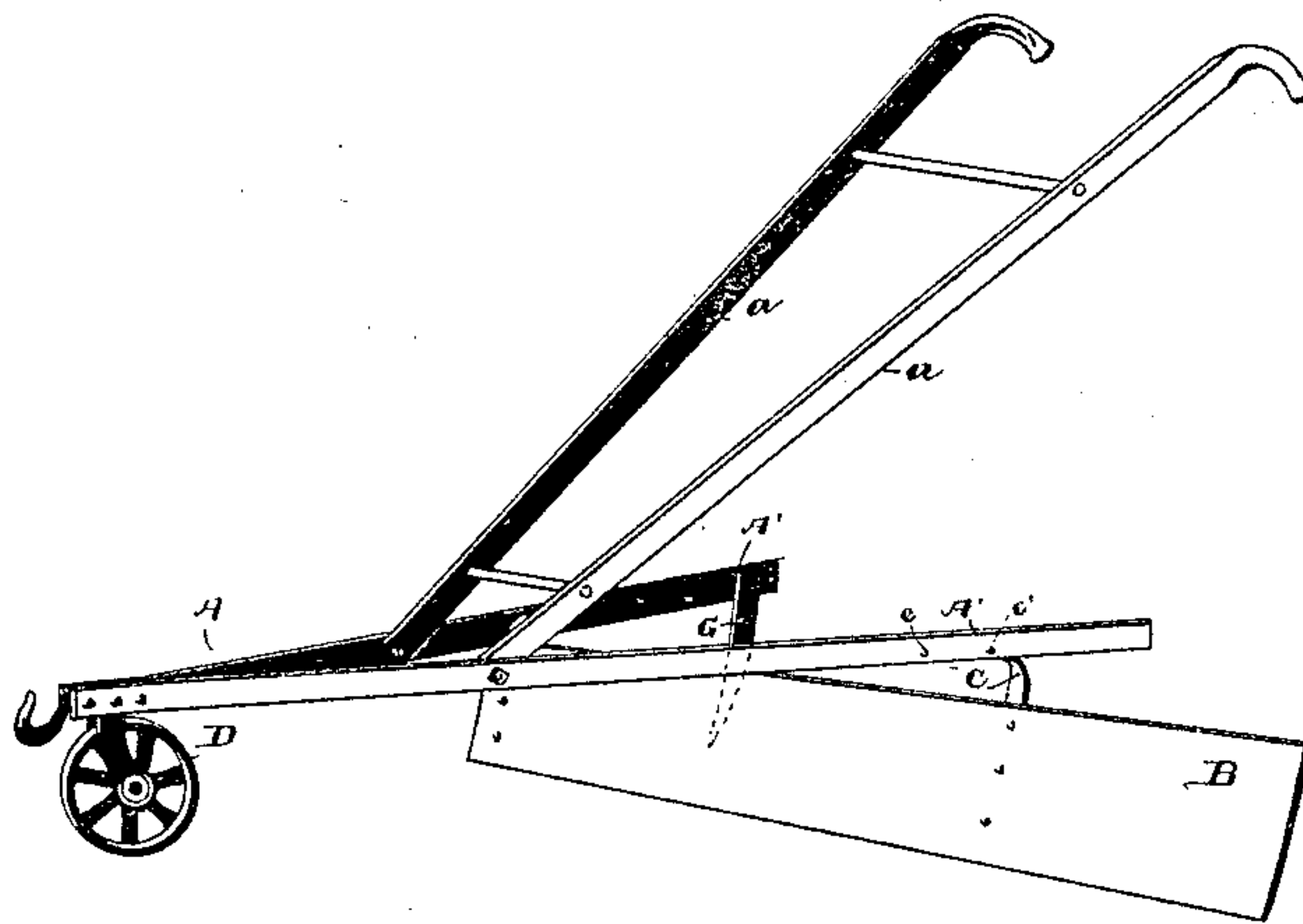


Fig. 1

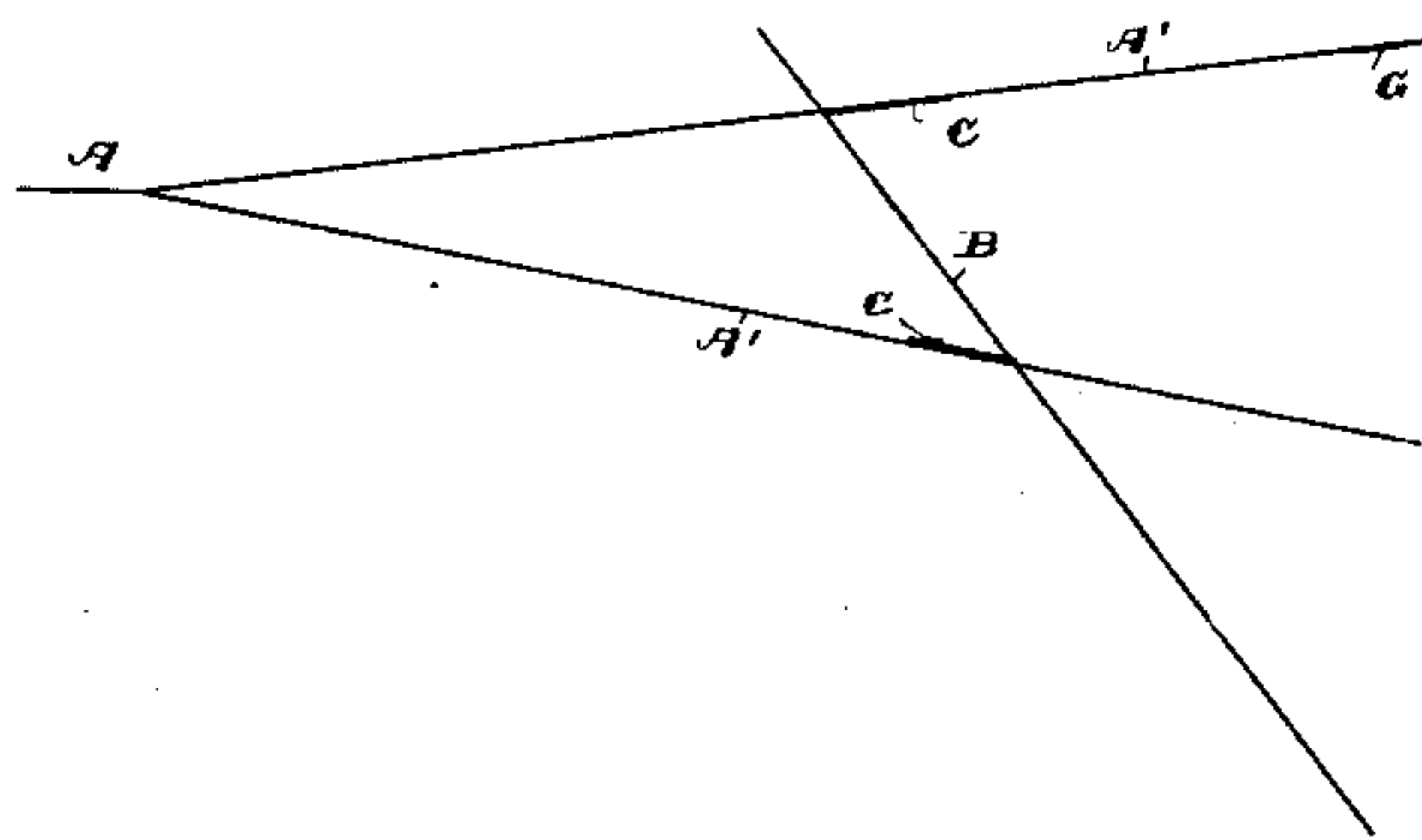


Fig. 2.

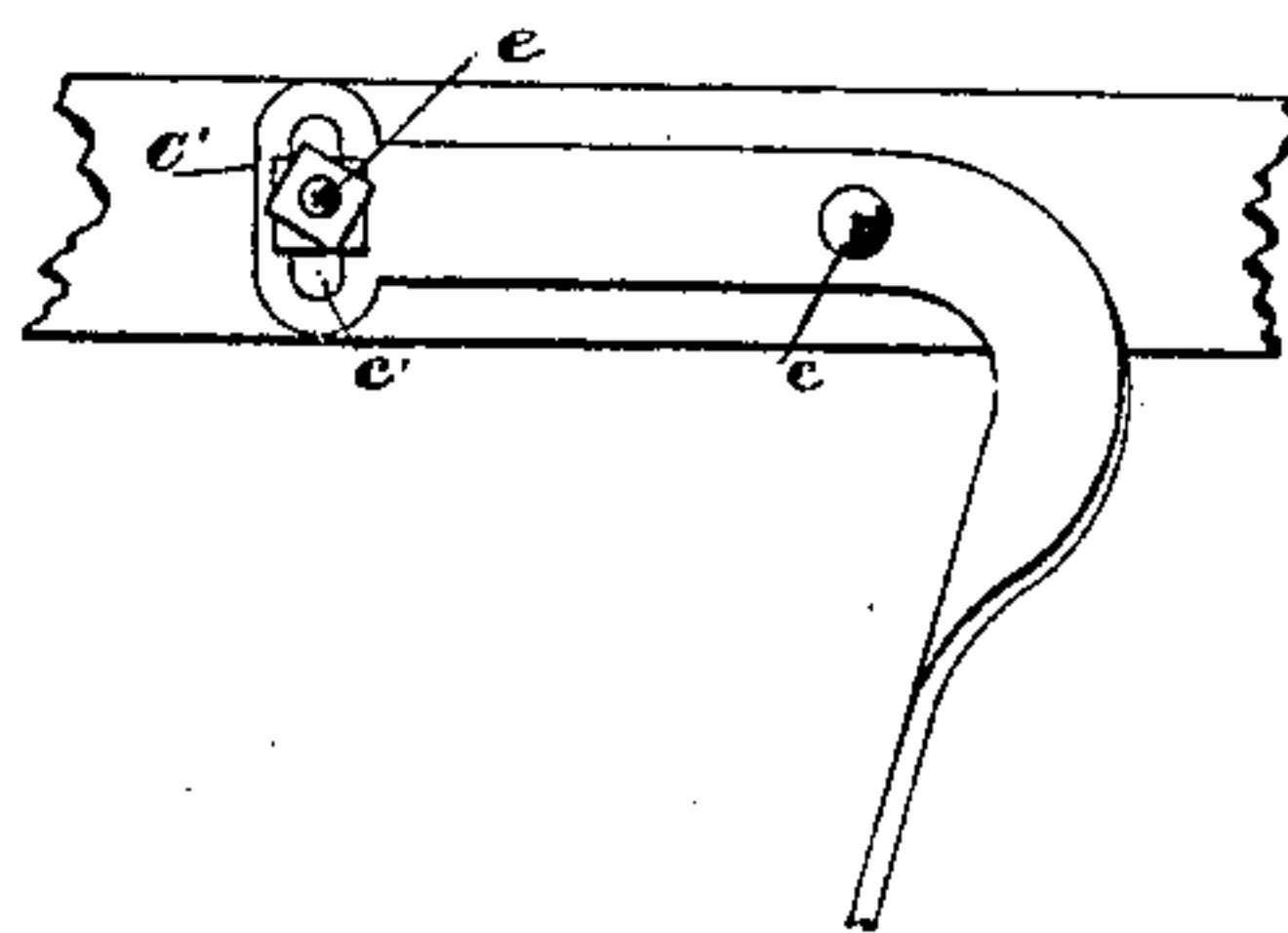


Fig. 3.

WITNESSES
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UNITED STATES PATENT OFFICE.

DEWITT C. PIERCE, OF WILLOUGHBY, OHIO.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 371,355, dated October 11, 1887.

Application filed February 2, 1887. Serial No. 226,256. (No model.)

To all whom it may concern:

Be it known that I, DEWITT C. PIERCE, of Willoughby, in the county of Lake and State of Ohio, have invented certain new and useful
5 Improvements in Cultivators; 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 pertains to make and use the same.

10 My invention relates to an improved cultivator, in which a long cultivator-blade is set oblique to the cultivator-frame and made to extend some distance laterally beyond the frame, to the end that places inaccessible to
15 ordinary cultivators can be reached with the projecting blades.

In the accompanying drawings, Figure 1 is a view in perspective of my improved cultivator. Fig. 2 is a diagrammatic plan. Fig.
20 3 is an enlarged detail of one of the levers that support the cultivator-blade.

A represents a suitable frame-work, the same consisting of side pieces, A', united at the forward end, diverging rearward, as shown, together with suitable brace-rods and handles, a.

B represents the cultivator-blades, the same being of considerable length, as shown, and curved transversely, and set at an angle, so that the blade extends obliquely downward,
30 and curves forward, so that the cutting-edge enters the ground freely. The blade B extends obliquely across the frame A, and is usually set about flush with one side of the frame, while the blade extends some distance beyond
35 the frame on the opposite side.

Levers C, of the bell-crank variety, are pivoted at c to the respective side pieces, A'. The depending arms of these levers are fitted to the rear side of the blade B, and secured
40 thereto by bolts or rivets. The lateral arms of the levers extend along the side pieces, A',

and terminate in heads C', the same having slots c' elongated circumferentially on a radius from the pivots c. Through these slots pass
securing bolts e, the latter passing through a
45 side piece, A'. By loosening the bolts the levers C may be tilted a limited distance to vary the inclination of the blade B, to cause the latter to enter the ground more or less freely, as
50 may be required.

By means of the outwardly-projecting end of the blade B the ground can be cultivated, for instance, under grape-vine frames and other places that are inaccessible with an ordinary
55 cultivator.

A wheel, D, is attached to the forward portion of the frame, and one or more thin flat teeth, G, set edgewise to the line of motion, so as to serve as colters, may be had to hold the
60 cultivator from drifting sidewise, as would otherwise be the case, owing to the blade B projecting so far to the one side of the frame.

What I claim is—

The combination, with a cultivator-frame, of the transversely-curved blade set obliquely
65 to the frame and starting from a point at or near one side thereof and projecting some distance beyond the other side of said frame, and the two bell-crank levers pivoted at their elbows to the cultivator-frame and rigidly secured to the blade, and bolts passing through
70 elongated slots in the upper free ends of the bell-crank levers for locking same in any desired adjustment, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 17th
75 day of January, 1887.

DEWITT C. PIERCE.

Witnesses:

C. J. KOMAR,
GEO. S. EDDY.