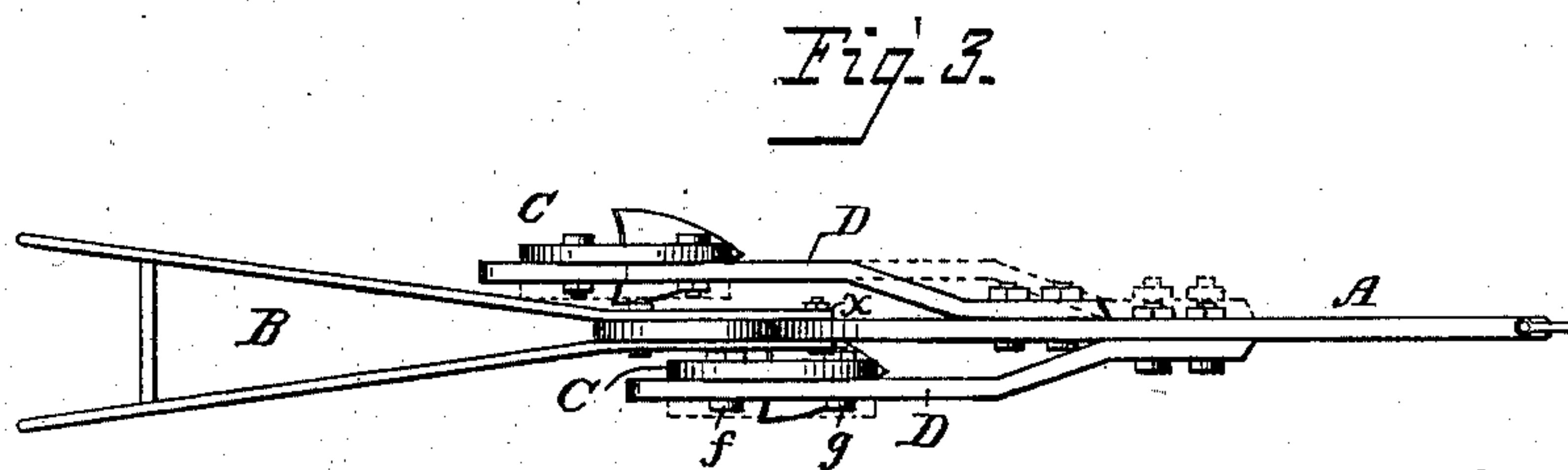
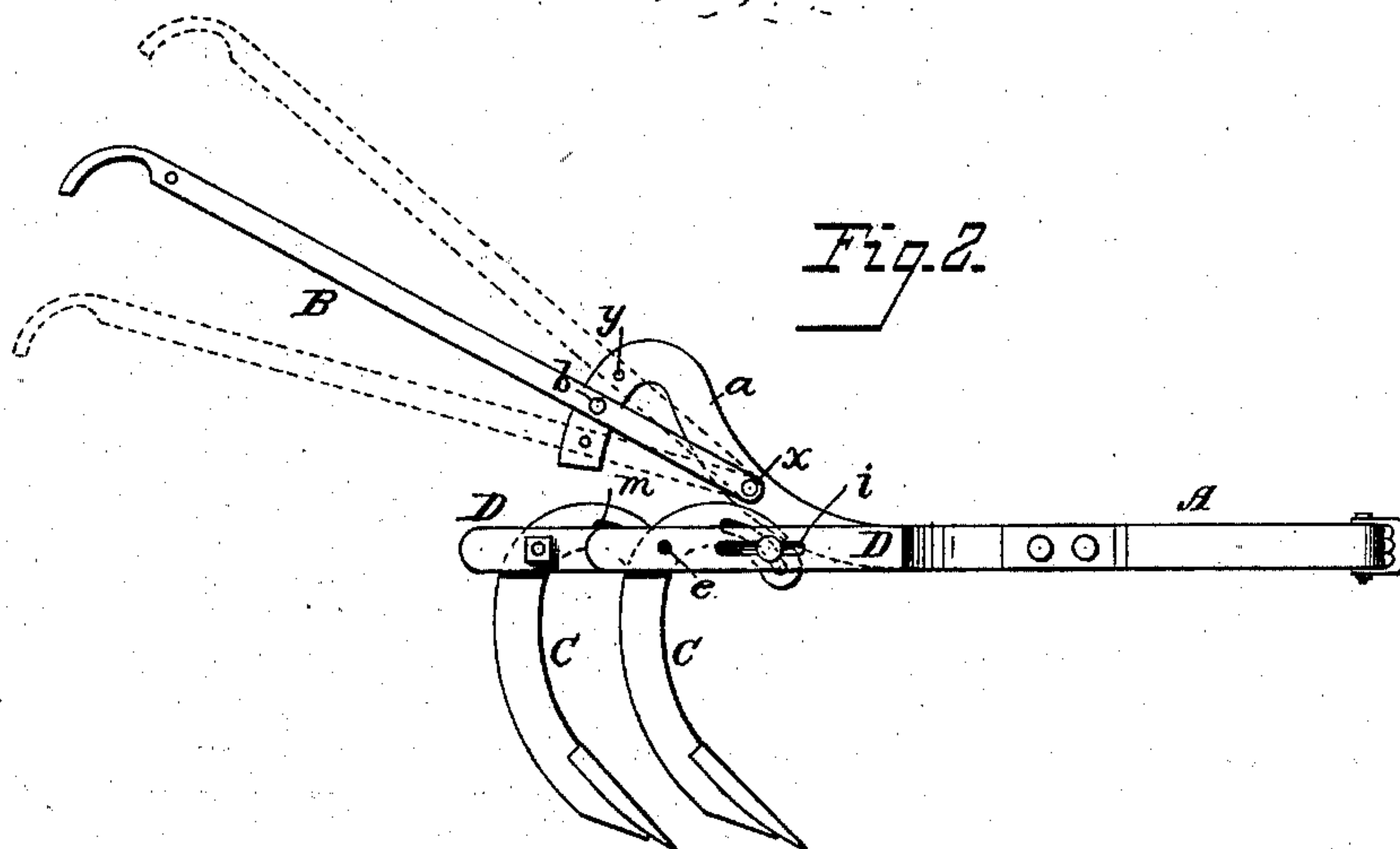
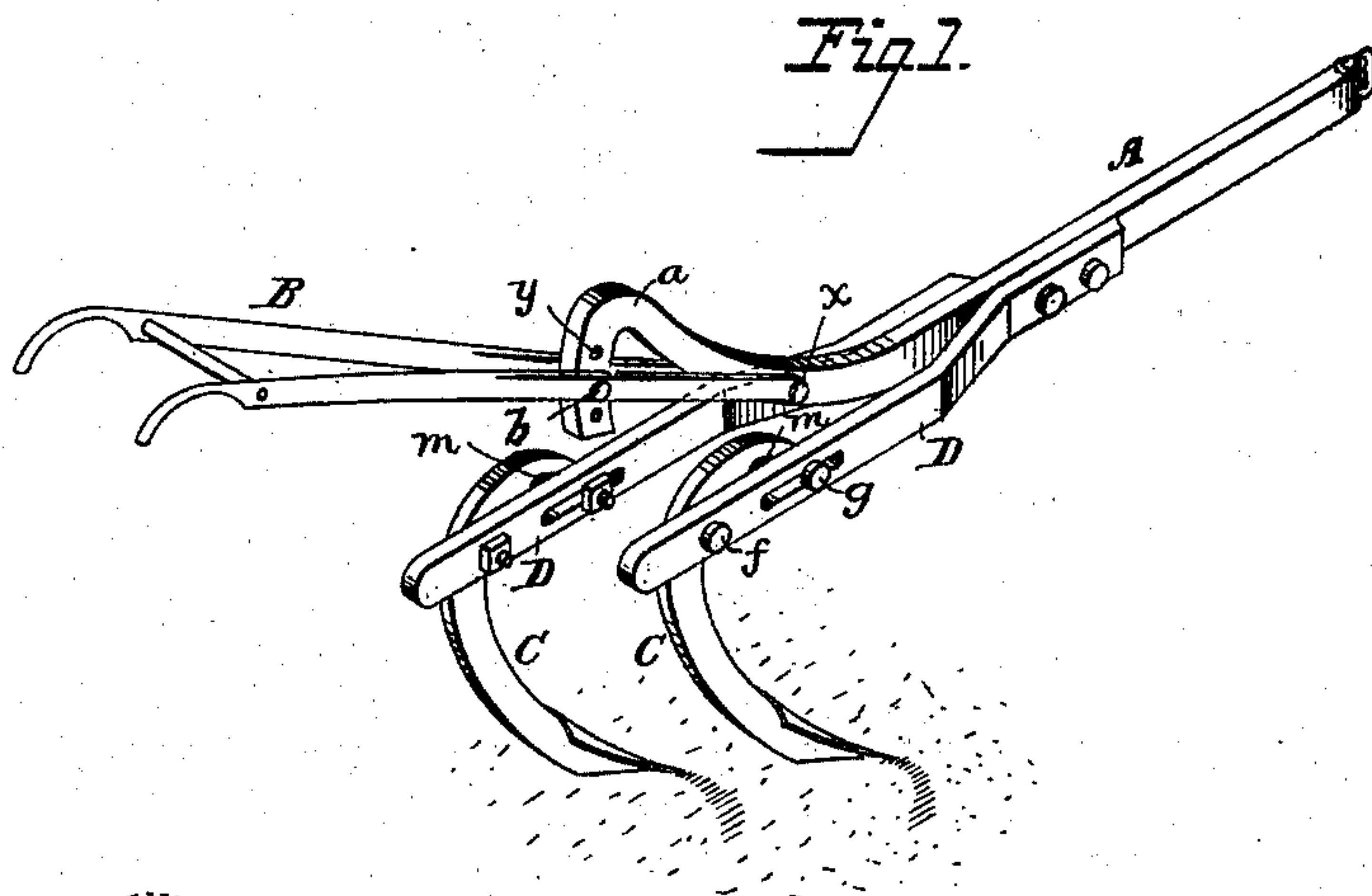


(No Model.)

W. J. DAVIDSON.
CULTIVATOR.

No. 254,932.

Patented Mar. 14, 1882.



Attest:
Courtney A. Cooper,
A. E. Hannemann.

W. J. Davidson
By his attorney
Charles E. Foster

UNITED STATES PATENT OFFICE.

WILLIAM J. DAVIDSON, OF BIG SPRING, VIRGINIA.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 254,932, dated March 14, 1882.

Application filed November 23, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. DAVIDSON, of Big Spring, Montgomery county, Virginia, have invented certain Improvements in Cultivators, of which the following is a specification.

My invention is a cultivator, constructed as fully described hereinafter, to permit a ready and speedy adjustment of any one or all of the plows and of the handles.

In the drawings, Figure 1 is a perspective view of a cultivator with my improvement. Fig. 2 is a side view. Fig. 3 is a plan.

It is common to combine with plow-beams brackets of various forms and adjusting device for varying the position of the standards and of the plows carried thereby. As a general thing the construction of these devices is more or less expensive and the adjustment difficult to make. I secure ready adjustment by the use of extremely simple devices, as I will now describe.

The beam A is made with a curved neck, *a*. The handles B are pivoted at *x* to the beam proper, and a series of holes, *y*, in the neck, and a detachable pin, *b*, serve as means of adjusting the handles to any required angle, the neck supporting them laterally. With the beam are combined brackets D D, each of the shape shown, one portion bolted to the beam and the other having a pivot-hole, *c*, and slot *i*, the former for a pin, *f*, pivoting the curved standard to the bracket, and the latter receiving a pin, *g*, which also passes through a slot, *m*, in the end of the standard C, the slots crossing each other, and permitting thus a nice and accurate adjustment of the standard to any desired angle, as shown in my Patent No. 231,701, dated August 31, 1880.

The brackets may be bolted to opposite sides of the beam in different positions, as shown in full lines, or they may be arranged directly opposite each other and secured by the same bolts passing through both and through the beam, as in dotted lines, Fig. 3.

Each standard may be secured to the bracket either on the outside or on the inside, as shown in full and dotted lines; or the brackets may be detached and the standards secured directly to the plow-beam, which has pivot-holes and slots, permitting the same connections and adjustments as on the brackets. By this means the plows or shovels may be brought close together or separated to a greater or less extent, according as they are arranged upon the different sides of the brackets, thus permitting them to be differently used for different operations.

I do not here claim the construction of beam shown.

I claim—

The combination, with the single-bar beam A, of slotted brackets, constructed as set forth, and with their free ends projecting to the rear, and standards connected to the brackets and constructed for attachment to either side thereof and adjustable thereon, substantially as set forth.

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

WILLIAM J. DAVIDSON.

Witnesses:

WILLIAM PAXTON,
CHARLES E. FOSTER.