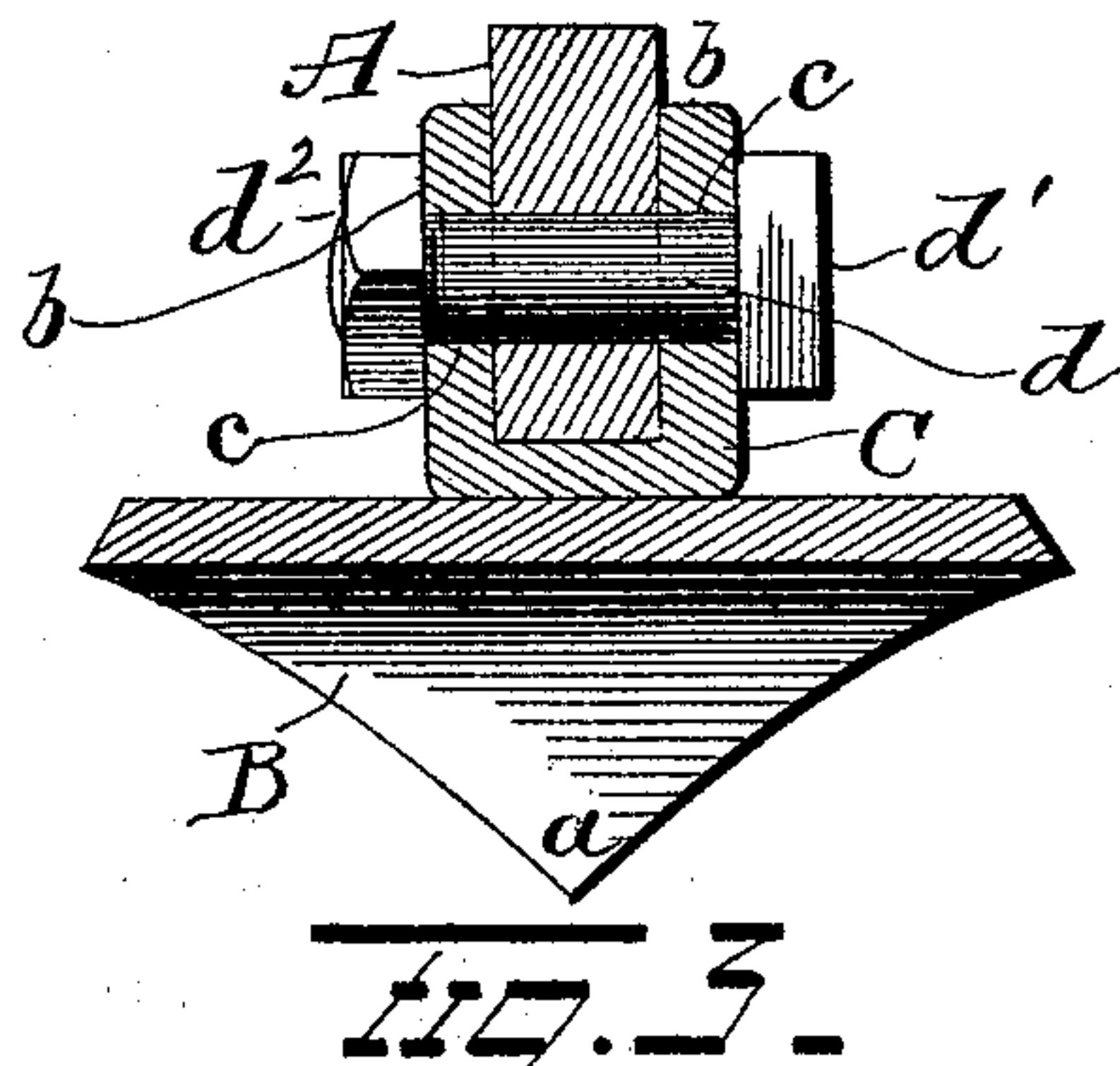
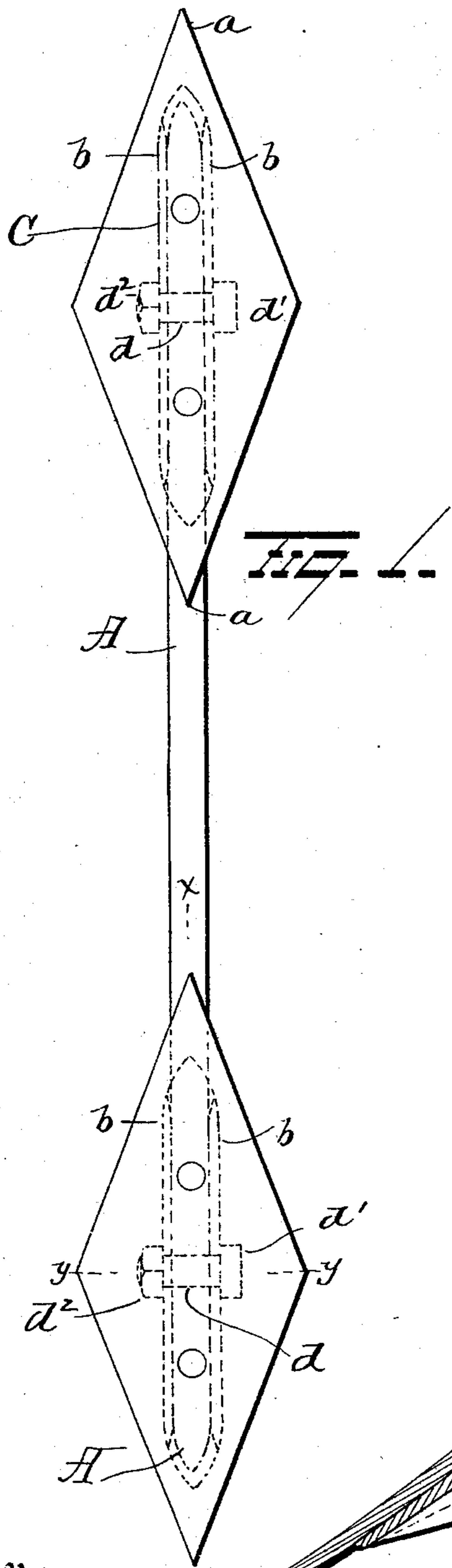


(No Model.)

D. K. YORGEY.
CULTIVATOR TOOTH.

No. 539,888.

Patented May 28, 1895.



Witnesses to
D. K. Yorgey
G. F. Downing

Inventor
David K. Yorgey
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UNITED STATES PATENT OFFICE.

DAVID K. YORGEY, OF ST. LOUIS PARK, MINNESOTA, ASSIGNOR TO THE
MONITOR MANUFACTURING COMPANY, OF SAME PLACE.

CULTIVATOR-TOOTH.

SPECIFICATION forming part of Letters Patent No. 539,888, dated May 28, 1895.

Application filed December 15, 1894. Serial No. 531,960. (No model.)

To all whom it may concern:

Be it known that I, DAVID K. YORGEY, of St. Louis Park, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Cultivator-Teeth; 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 an improvement in cultivator teeth and more particularly to such as are reversible, the object of the invention being to so construct the device that two cultivator points will be accessible for use on a non-reversible arm, or that four cultivator points will be accessible for use by reversing the parts of device when used with a reversible arm.

A further object is to produce simple and efficient means whereby to firmly secure a cultivator plate or point to the arm which carries it.

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

In the accompanying drawings, Figure 1 is a view illustrating my invention. Figs. 2 and 3 are sectional views on the lines $x x$ and $y y$ of Fig. 1.

A represents an arm adapted to be reversibly connected with the standard of a cultivator and to receive cultivator plates B, B, at its respective ends. Each plate B is made with a point a at each end, and to its back a block C is riveted or otherwise secured. The block C of each tooth, is made with parallel lugs or ears b, b adapted to receive the end of the arm A between them. The ears b are made with perforations c, c adapted to align with a similar perforation in the arm A.

Through these perforations a bolt d is passed, said bolt having a head d' on one end and screw-threaded on its other end for the reception of a suitable nut d^2 . It may be riveted or otherwise fastened. In this manner the plates B, B, are secured to the respective ends of the arm A.

From this construction and arrangement of parts it will be seen that by removing the bolt d the plate can be removed and reversed. By providing each end of the arm A with a double-pointed reversible plate, it will be seen that four points are accessible and the life of the device will thus be greatly lengthened.

My improvements are exceedingly simple in construction, can be manufactured at a small cost and are very effectual, in all respects in the performance of their functions.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a reversible arm, of a reversible tooth removably attached to each end of the arm, and a block extending nearly the length of the tooth and secured to the back thereof, the rear face of the block conforming to and adapted to rest against the forward edge of the arm whereby an extended bearing is formed for the block throughout the length of the latter, and side flanges on the edges of the block, said flanges embracing the sides of the arm and having a hole at the center, a single bolt, adapted to pass through the flanges and arms and removably secure the block to the arm, substantially as set forth.

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

DAVID K. YORGEY.

Witnesses:

N. F. PHILLIPS,
LOUIS W. FULLER.