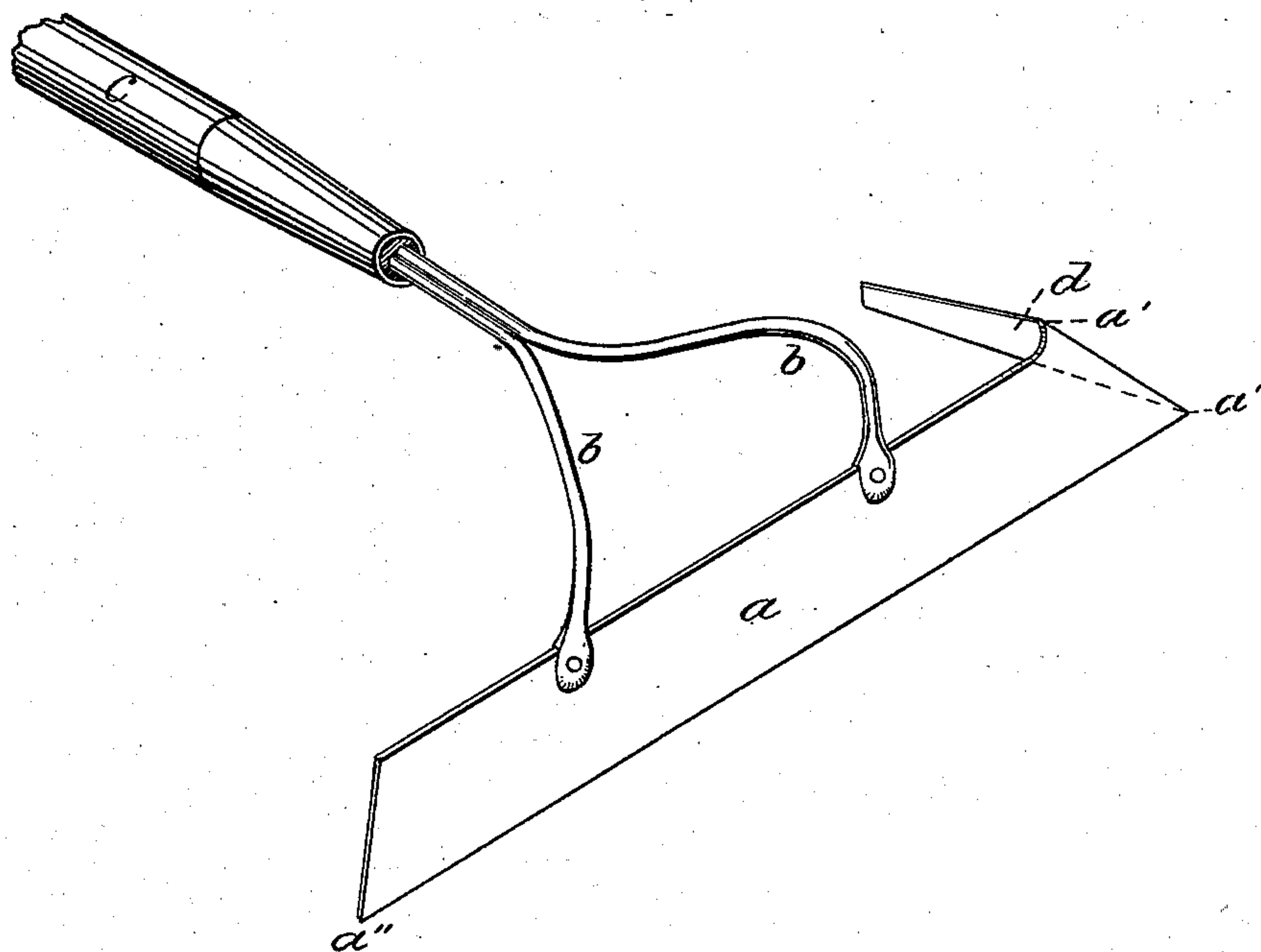


(No Model.)

F. A. TRYON.
Hoe.

No. 243,010.

Patented June 14, 1881.



Witnesses.

Charles Burdett.
James J. Greene.

Inventor.

Frank A Tryon
By W. E. Simonds
Atty.

UNITED STATES PATENT OFFICE.

FRANK A. TRYON, OF UNIONVILLE, CONNECTICUT.

HOE.

SPECIFICATION forming part of Letters Patent No. 243,010, dated June 14, 1881.

Application filed April 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. TRYON, of Unionville, in the county of Hartford and State of Connecticut, have invented a certain new and useful Improvement in Hoes, of which the following is a description, reference being had to the accompanying drawing, where the figure is a view of a hoe embodying my improvement.

10 The object of the improvement is the production of a hoe of peculiar utility for weeding purposes.

15 The letter *a* denotes the body-blade of the hoe; *b b*, the blade-support, being round-iron braces, starting from the back side of the blade, where they are riveted thereto, and running into the end of the hoe-handle *c*. To one end of this blade a turned-up leaf, *d*, is added. The end where this leaf is added—from *a'* to *a''*—forms an acute angle with the cutting-edge of the blade, and the edge of the leaf runs down to and meets the cutting-edge of the blade, by which is meant the line *a'* to *a''*. Both these particulars are essential to the embodiment of my improvement—that is, that 25 the end of the blade, when the leaf is added, shall be at an acute angle with the cutting-edge of the blade, and that the edge of the leaf shall meet the edge of the blade, the ob-

ject of the construction being to enable the user to hoe close to a row of plants, and at each stroke of the hoe draw the weeds and stones away from the row. The other end of the hoe is also on an acute angle with the cutting-edge of the blade, to facilitate the use of this end in drawing weeds out from between small plants—that is, such other end is so made when both ends are not provided with the turned-up leaf, which is contemplated by me in some cases.

This blade may not only be mounted on a common hoe-handle, but also on wheels, in which case I contemplate the use of two hoes hung on a shaft with wheels at each end, and so hung on the shaft that, by means of set-screws or the like, they may be set at any desired distance apart, the intent being to have the hoes straddle the row and cut the dirt and weeds away from both sides of it at once.

I claim as my invention—

The hoe-blade *a*, having the acute-angle end and the turned-up leaf with its edge meeting the edge of the blade, all substantially as described, and for the purpose set forth.

FRANK A. TRYON.

Witnesses:

JAMES J. GREENE,
CHAS. L. BURDETT.