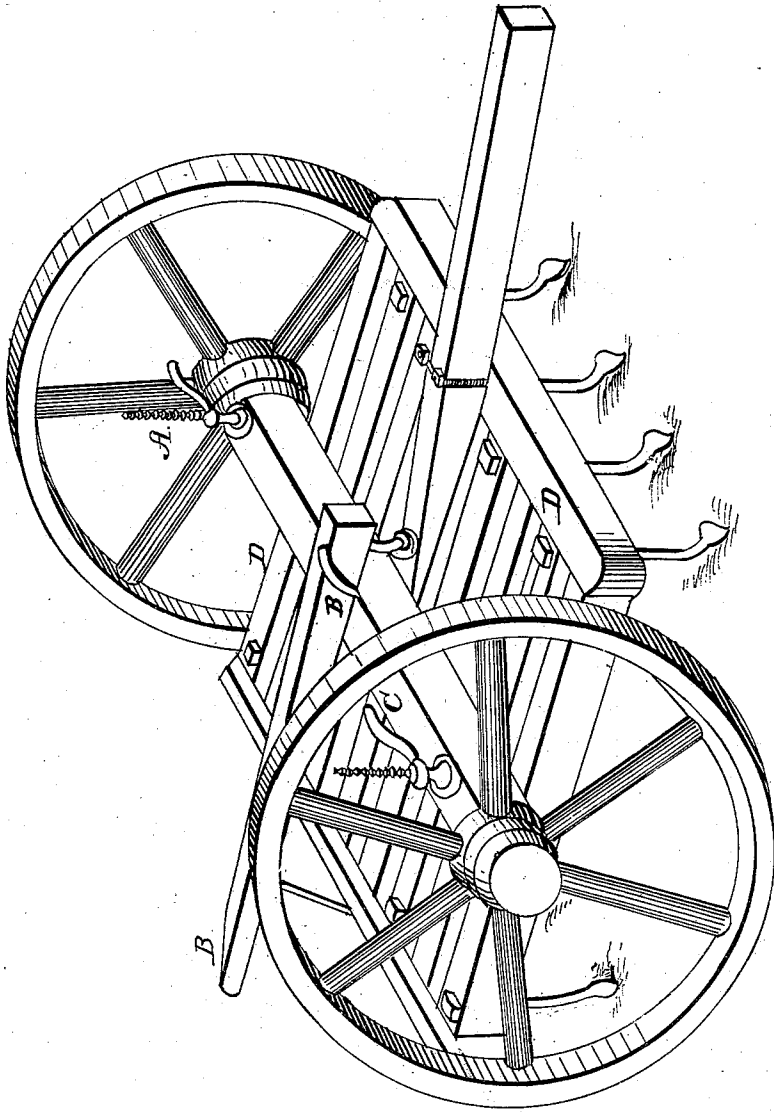


E. D. HATCH.  
Wheel Cultivator.

No. 106,579.

Patented Aug. 23, 1870.



Witnesses  
Louie Edwards  
Charles F. Weston

Inventor  
Edwin D. Hatch

# UNITED STATES PATENT OFFICE.

EDWIN D. HATCH, OF OCONOMOWOC, WISCONSIN.

## IMPROVEMENT IN WHEEL-CULTIVATOR.

Specification forming part of Letters Patent No. **106,579**, dated August 23, 1870.

*To all whom it may concern:*

Be it known that I, EDWIN D. HATCH, of Oconomowoc, in the county of Waukesha and State of Wisconsin, have invented a new and Improved Wheel-Cultivator; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of my invention consists in providing a way by which the depth of the cultivator-teeth in the ground may be gaged by means of two screws in the axle of the wheels; also, in providing a lever, in the manner shown, to raise the machine over stones or other slight obstructions, or in turning corners, or upon the road.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct a square frame, as an ordinary square cultivator, and suspend the cultivator

from the axle of the wheels; but, in order to adjust the depth or cut of the cultivator-teeth, the cultivator is adjusted by two screws in the axle, as shown at A in the accompanying drawing, and by a lever on the center of axle, as shown at B in the accompanying drawing.

By means of the lever and the adjusting-screws supporting the frame, the cultivator may be raised to pass an obstruction, or in turning or moving from place to place.

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

The arrangement of the axle C with the adjustable screws A, frame D, and lever B, substantially as set forth, and for the purpose specified.

Dated at Oconomowoc, Wisconsin, this 9th day of May, A. D. 1868.

E. D. HATCH.

Witnesses:

E. G. COMSTOCK,  
D. W. SMALL.