

W. MILLSPAUGH.
Chopping-Knife.

No. 209,065.

Patented Oct. 15, 1878.

FIG. 1.

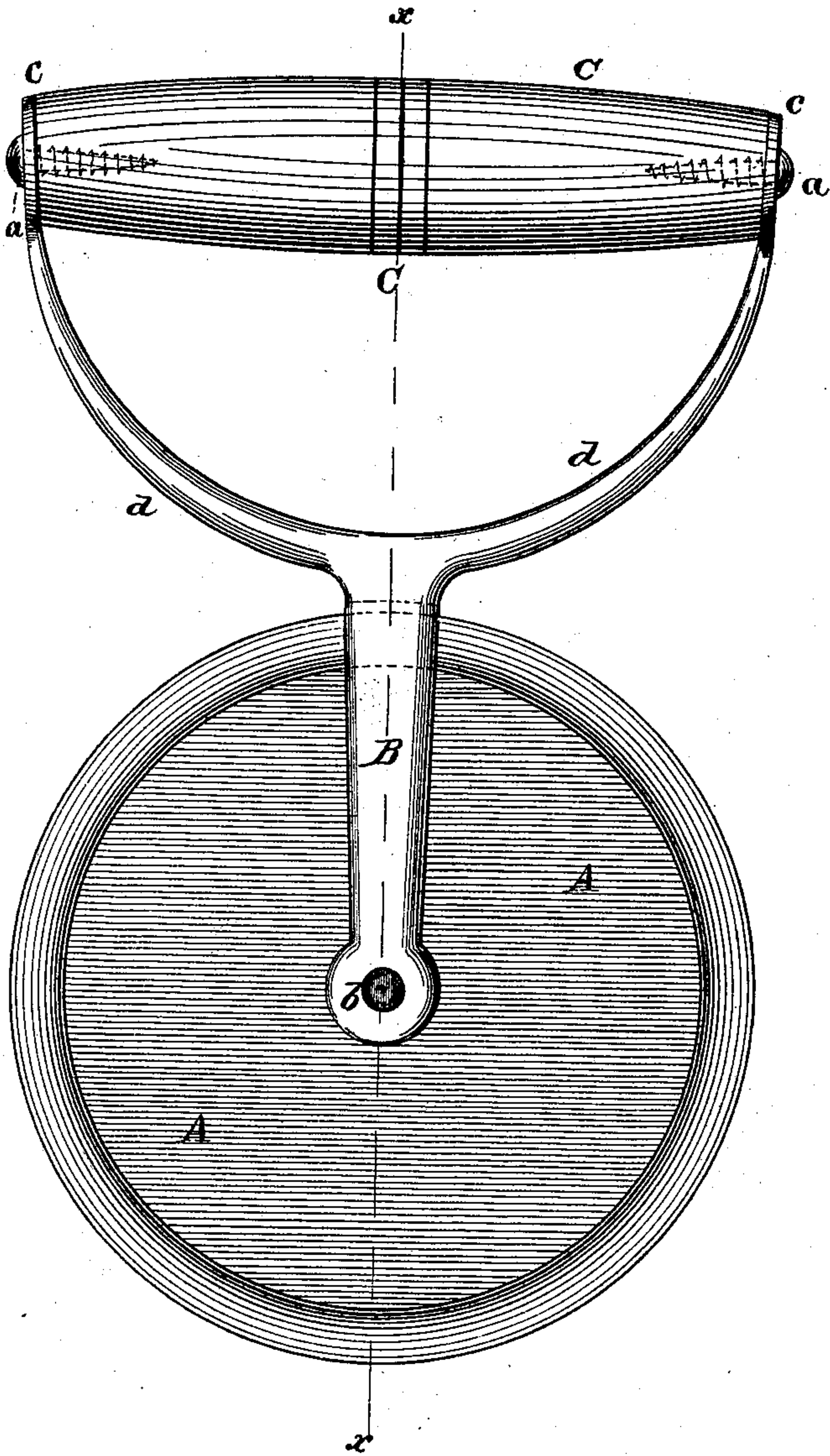
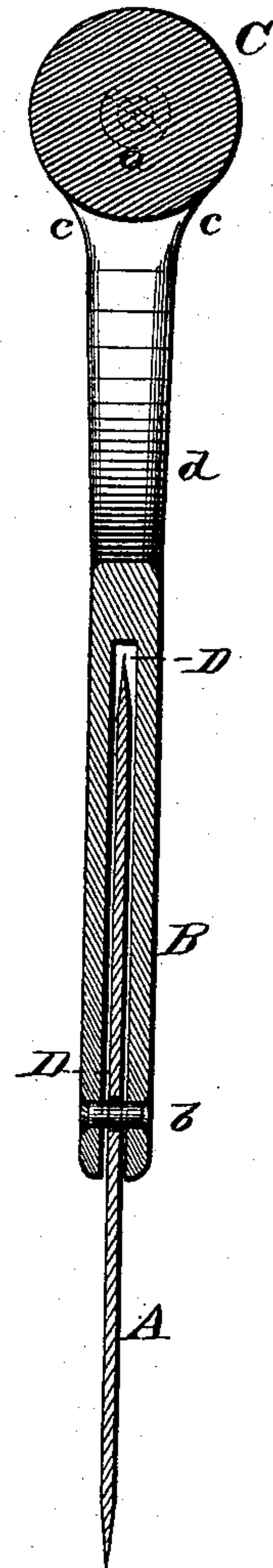


FIG. II.



Witnesses:

P. Dieterich
Am. B. Apperman.

Inventor:

William Millsbaugh.
Per *C. H. Watson & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM MILLSPAUGH, OF MIDDLETOWN, NEW YORK.

IMPROVEMENT IN CHOPPING-KNIVES.

Specification forming part of Letters Patent No. **209,065**, dated October 15, 1878; application filed September 3, 1877.

To all whom it may concern:

Be it known that I, WILLIAM MILLSPAUGH, of Middletown, in the county of Orange and State of New York, have invented certain new and useful Improvements in Chopping or Mining Knives; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to a chopping or mining knife, having for its object to improve the construction and operation of the same; and it consists in the combination and arrangement of parts, as will be hereinafter more fully set forth.

In the annexed drawings, Figure I is a side elevation; and Fig. II is a central vertical section on line *x x*, Fig. I.

A represents the circular chopping-blade, which may be of any desired size, adapted to fit into the slot D in the standard B, in such manner as to leave so little space that the edge of the standard will disengage any substance that may become attached to the blade while in operation. The blade is attached to the standard by means of a rivet, *b*, passing through holes in the blade and standard, thus forming a journal for the blade to turn upon.

At the upper part of the standard B, and forming a part thereof, are the arms *d d*, at the up-

per extremity of which are formed the plates *c c*, corresponding in size with the ends of the handle C. The handle C is secured to the arms by means of screws *a a*, passed through holes in the plates *c* and screwed into the wood.

I am fully aware of a vegetable-cutter in which is a central standard, with a hub at its lower end for the passage of a shaft, having a circular cutter on each end, said cutters operating beyond the sides of the standard, and the upper end of the standard provided with two arms, secured to a handle, and I do not claim such as my invention.

It will be seen that in my invention the circular cutter works in a slot in the standard, the two arms or prongs thereof being close to the cutter, so as to act as clearers for the same, and thus the cutter can at no time become clogged.

Having thus fully described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

The combination of the slotted standard B, formed with the arms *d d*, secured to the ends of the handle C, and the circular cutter A, pivoted by a bolt or rivet, *b*, in the standard and working in the slot D thereof, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WM. MILLSPAUGH.

Witnesses:

E. M. MADDEN, Jr.,
C. C. MADDEN.