

No. 829,434.

PATENTED AUG. 28, 1906.

R. W. SCHAFFER.  
VEGETABLE CUTTER.  
APPLICATION FILED OCT. 18, 1904.

Fig. 1.

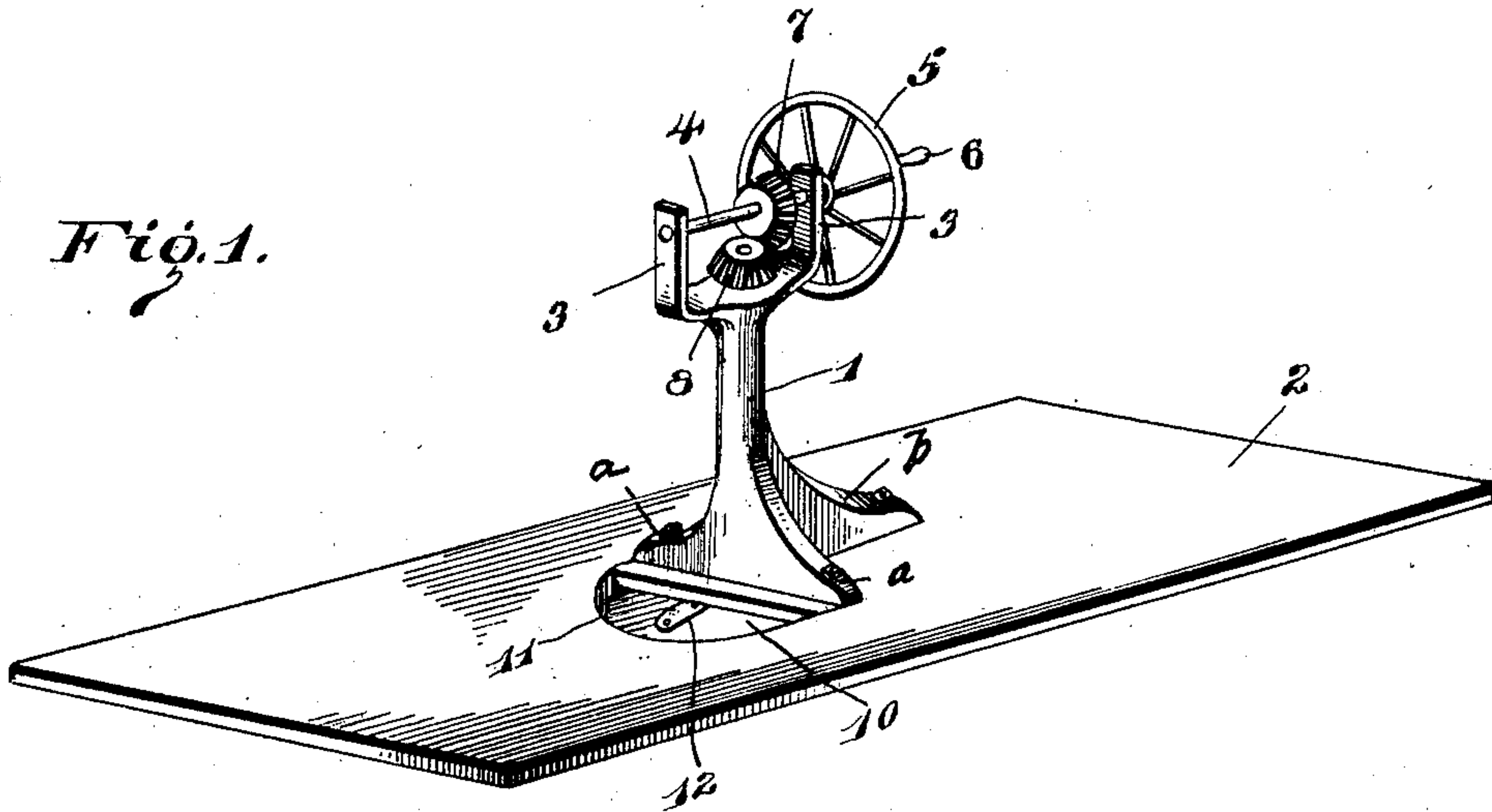


Fig. 3.

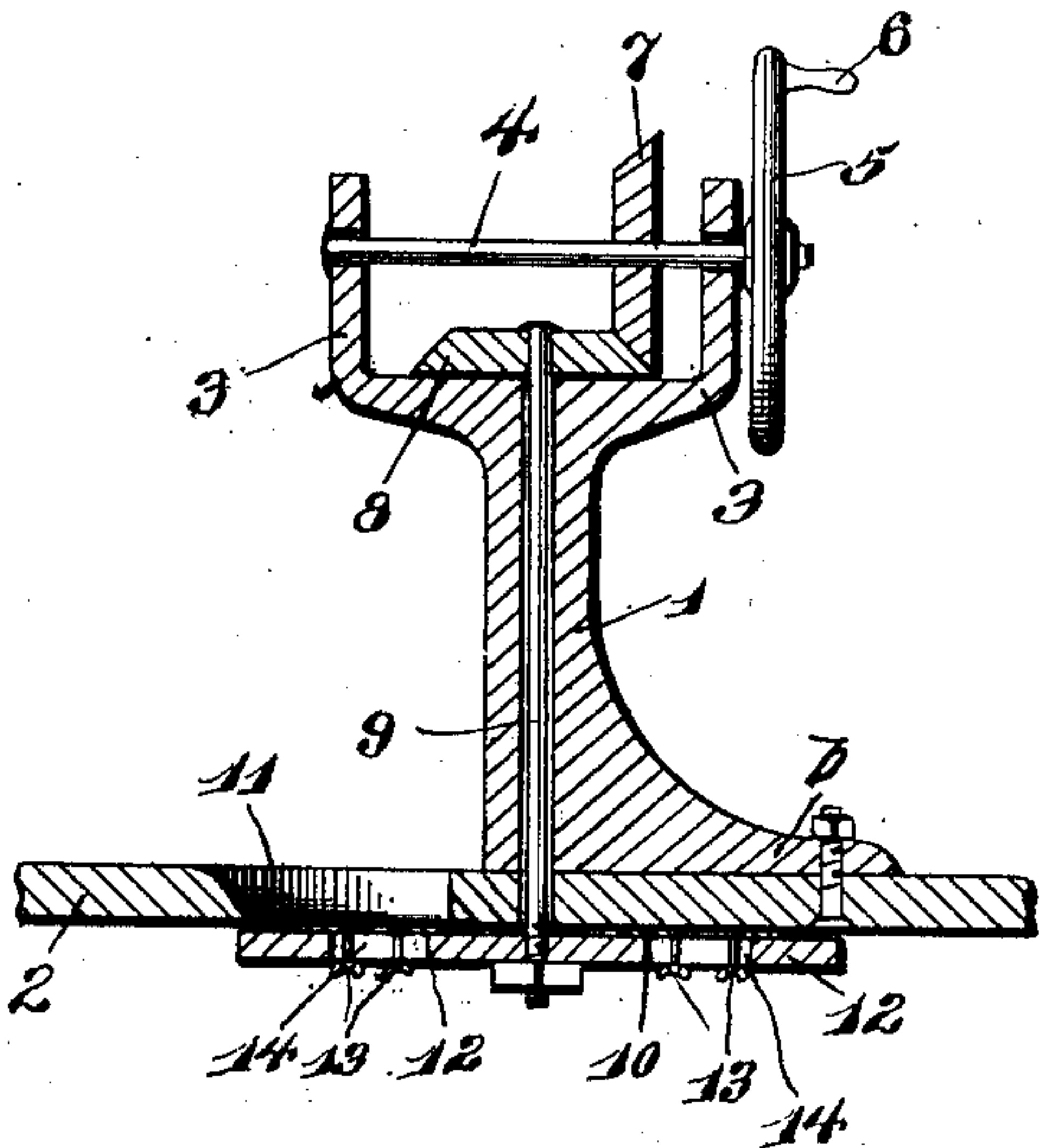
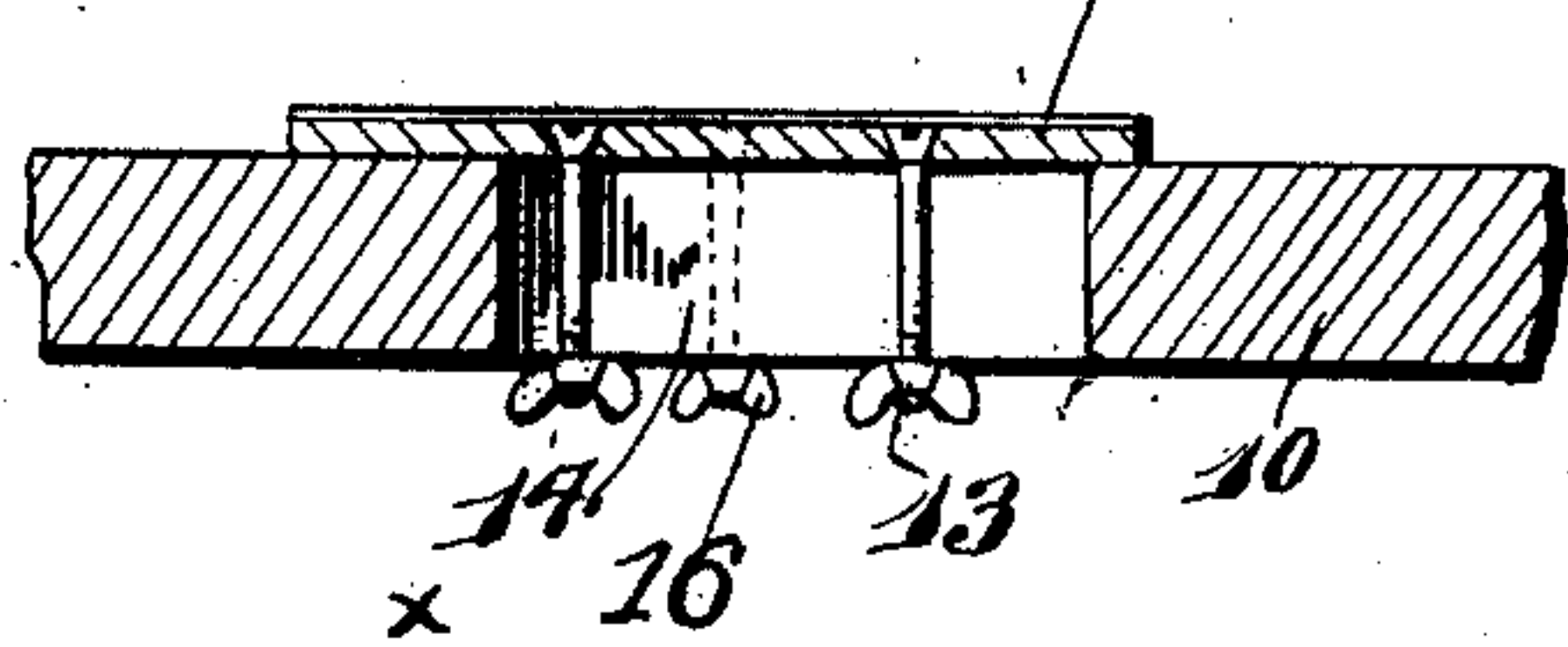


Fig. 4.

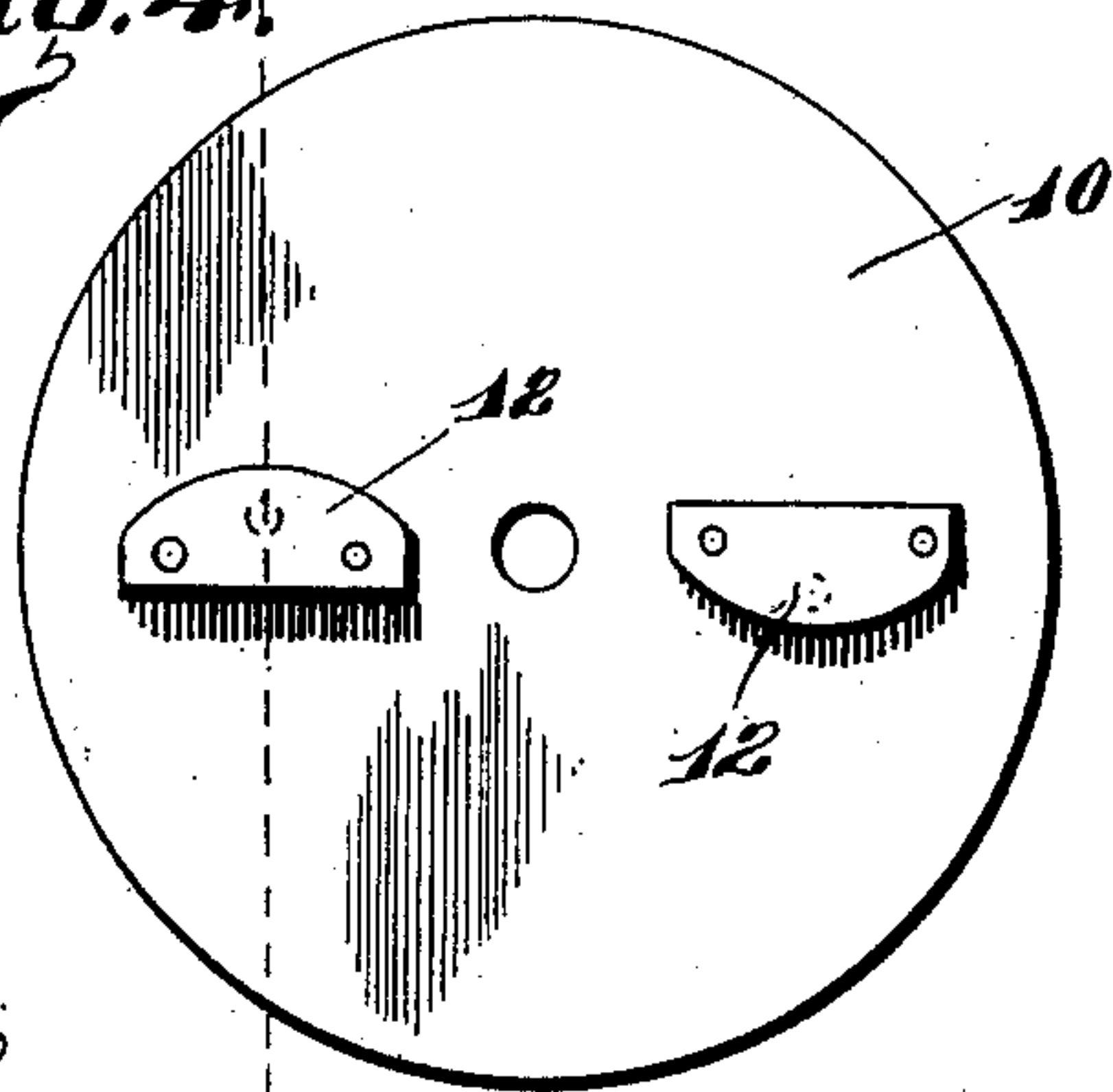


Fig. 2.

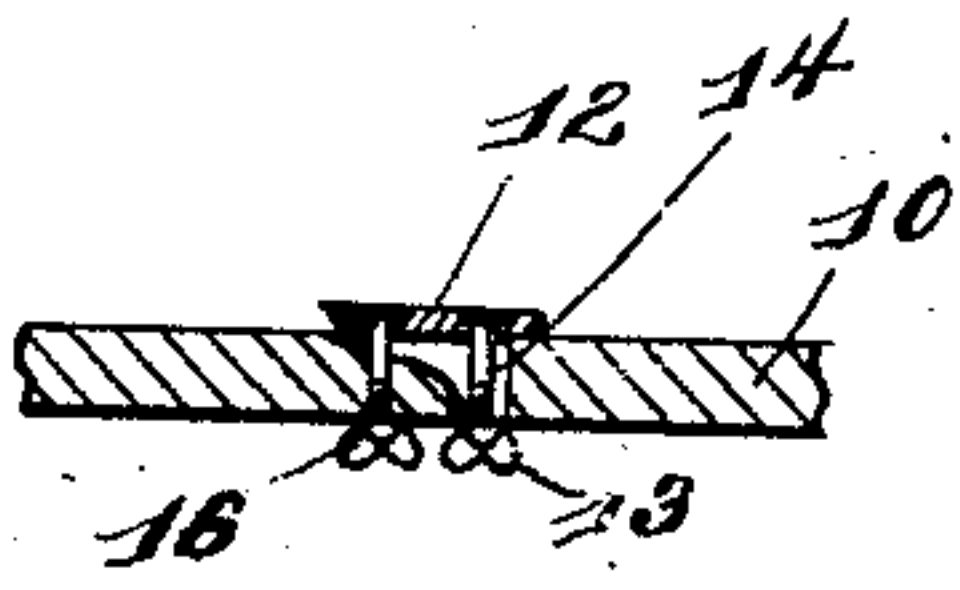


Fig. 5.

Witnesses

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# UNITED STATES PATENT OFFICE.

ROBERT W. SCHAFFER, OF LIMEPORT, PENNSYLVANIA.

## VEGETABLE-CUTTER.

No. 829,434.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed October 18, 1904. Serial No. 228,974.

*To all whom it may concern:*

Be it known that I, ROBERT W. SCHAFFER, a citizen of the United States, residing at Limeport, in the county of Lehigh and State

of Pennsylvania, have invented certain new and useful Improvements in Vegetable-Cutters, of which the following is a specification.

This invention relates to improvements in that type of cutting devices commonly called "vegetable-cutters."

The invention resides particularly in providing a device of the type above mentioned embodying an extreme simplicity relative to the number of parts employed and involving a special arrangement of said parts, conducive to obtaining a practical cutting-machine for the purposes for which it may be employed.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings.

While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a machine embodying the invention. Fig. 2 is a vertical sectional view bringing out more clearly the arrangement of the various parts of the device. Fig. 3 is a sectional view of the cutter-plate, enlarged, so as to bring out more clearly the mounting of the blades or knives thereon. Fig. 4 is a top plan view of the cutter-blade, showing clearly the arrangement of the cutting-knives thereon. Fig. 5 is a sectional view similar to Fig. 3, taken on the line X X of Fig. 4.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Generally describing the same, the invention comprises a standard 1, adapted to be attached at its lower portion to a suitable support 2, such as a table, stand, or the like. The standard 1 is forked or branched at its upper end, as shown at 3, and the fork members 3 are provided at their upper extremities with transverse bars in which is mounted a horizontal shaft 4. One end of the horizon-

tal shaft 4 projects beyond the adjacent member 3, and the projecting portion of the shaft carries a fly-wheel 5, having a handle 6 for operation thereof. The shaft 4 also carries at a point between the members 3 a bevel-gear 7, the latter meshing with a similar gear 8, mounted upon the upper extremity of a vertical shaft 9, mounted in the standard 1. The shaft 9 is disposed in a vertical opening in the standard 1 and the lower end of the shaft 9 carries a cutter-plate 10 of approximately circular form. The cutter-plate 10 is disposed beneath the board or portion of the support 2 to which the standard 1 is attached, the shaft 9 passing through an opening in the part 2 for the above purpose. At one side of the standard 1 the support 2 is provided with an opening 11 of somewhat semicircular form, and the cutter-plate 10 operates beneath this opening.

The vegetables or other substances to be cut are passed through the opening 11, so as to be operated upon by the knives or blades 12, attached to the upper side of the cutter-plate 10. Two of the knives 12 are preferably employed, and said knives are secured to the cutter-plate by means of set-screws 13, the latter being adjustable and admitting of ready attachment or detachment of the blades 12 for cleansing or any other purpose. The knives 10 are arranged upon opposite sides of the center of the plate 10, so that one of said knives is constantly operating upon the material, whatever it may be, which is fed through the opening 11 of the support 2. The cutter-plate 10 is provided with slots 14, arranged radially of the center thereof, are located in the cutter-plate with respect to the straight edge of the semicircular opening in the board 2, that their inner ends will always project underneath the board and not be exposed beyond the said straight edge, and the set-screws 13, by which the knives 12 are held in position, are adapted to operate in the slots 14 above mentioned.

A standard 1 has its lower portion widened at diametrically opposite points *a a*, which extend along the straight side of the opening 11 and serve to brace the standard laterally and to provide a rest for the material to bear against when being cut. An extension *b* is located medially of the extensions *a* and at a right angle thereto and acts as a brace.

The operation of the device is very clear, since it will be noted that by turning the wheel 5 motion will be transmitted to the



cutter-plate 10 by the shafts 4 and 9, and the  
 blade 12 will thus be operated beneath that  
 portion of the support 2 having the opening  
 11 therein. In addition to the screws 13, by  
 5 which the knives 12 are held in position, each  
 knife is operated upon by means of an adjust-  
 ing-screw 16, this screw being threaded into a  
 threaded opening provided in the cutter-  
 plate 10 and at a point about between the  
 10 ends of each of the knives 12. The upper  
 end of each screw 16 bears against the under  
 side of each plate 12 adjacent the edge there-  
 of, at a point between the screws 13, so that  
 the cutting edge may be slightly adjusted  
 15 toward and from the cutter-plate by the part  
 16 when screwed in either direction. The  
 slots 14, in which the screws 13 are mounted,  
 are transversely widened at their upper por-  
 tion, so that the material operated upon by  
 20 the knives may have clearance through said  
 slots. (See Fig. 5.) Any suitable clearance  
 means for the knives 12, however, may be  
 provided.

Having thus described the invention, what  
 25 is claimed as new is—

A vegetable-cutter comprising a board hav-  
 ing a semicircular opening therein, a stand-  
 ard supported on said board adjacent the  
 straight side of the opening, said standard  
 30 being forked at its upper end and provided  
 with a vertical opening extending entirely  
 therethrough and located intermediate or  
 between the forked members, a horizontal  
 shaft mounted in said forked members and

provided at one end with a hand-wheel and 35  
 provided intermediate its ends and between  
 the fork with a bevel-pinion, a shaft mounted  
 in the vertical opening in the standard and  
 provided at its upper end with a bevel-pinion  
 meshing with the first-named pinion and 40  
 resting upon the upper end of the standard  
 between the forked members whereby the  
 pinion of said vertical shaft supports said  
 shaft in place, a cutter-plate mounted on the  
 lower end of the shaft below the board and 45  
 provided with radial slots the inner ends of  
 which are so located with respect to the cen-  
 ter of the board that they do not project be-  
 yond the straight side of said opening, cut-  
 ting-blades provided with clamping-bolts 50  
 operating in said radial slots whereby each  
 blade may be adjusted radially on the plate to  
 expose more or less of its cutting edge in the  
 semicircular opening, the inner ends of said  
 slots providing that the inner ends of the 55  
 blades may be more or less covered by the  
 straight side of the opening as the cutter-  
 plate radiates, and a set-screw secured to the  
 edge portion of each blade and working in  
 the plate and designed to adjust the blade 60  
 vertically.

In testimony whereof I affix my signature  
 in presence of two witnesses.

ROBERT W. SCHAFFER. [L. s.]

Witnesses:

FRANKLIN S. DIETZ,  
 J. A. BRUNNER.