

No. 894,694.

PATENTED JULY 28, 1908.

D. E. POCHE.
POTATO SLICER.
APPLICATION FILED AUG. 13, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

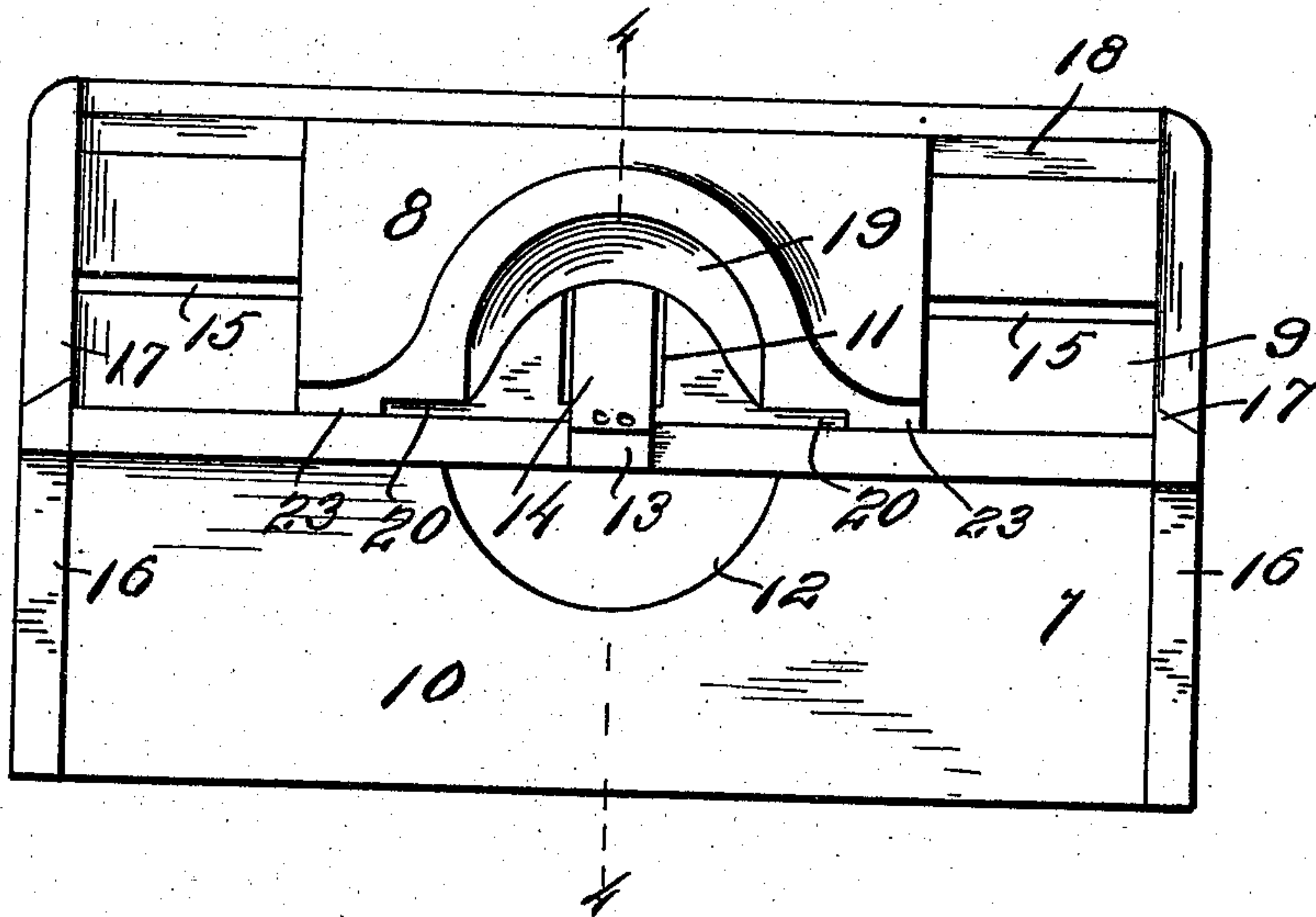
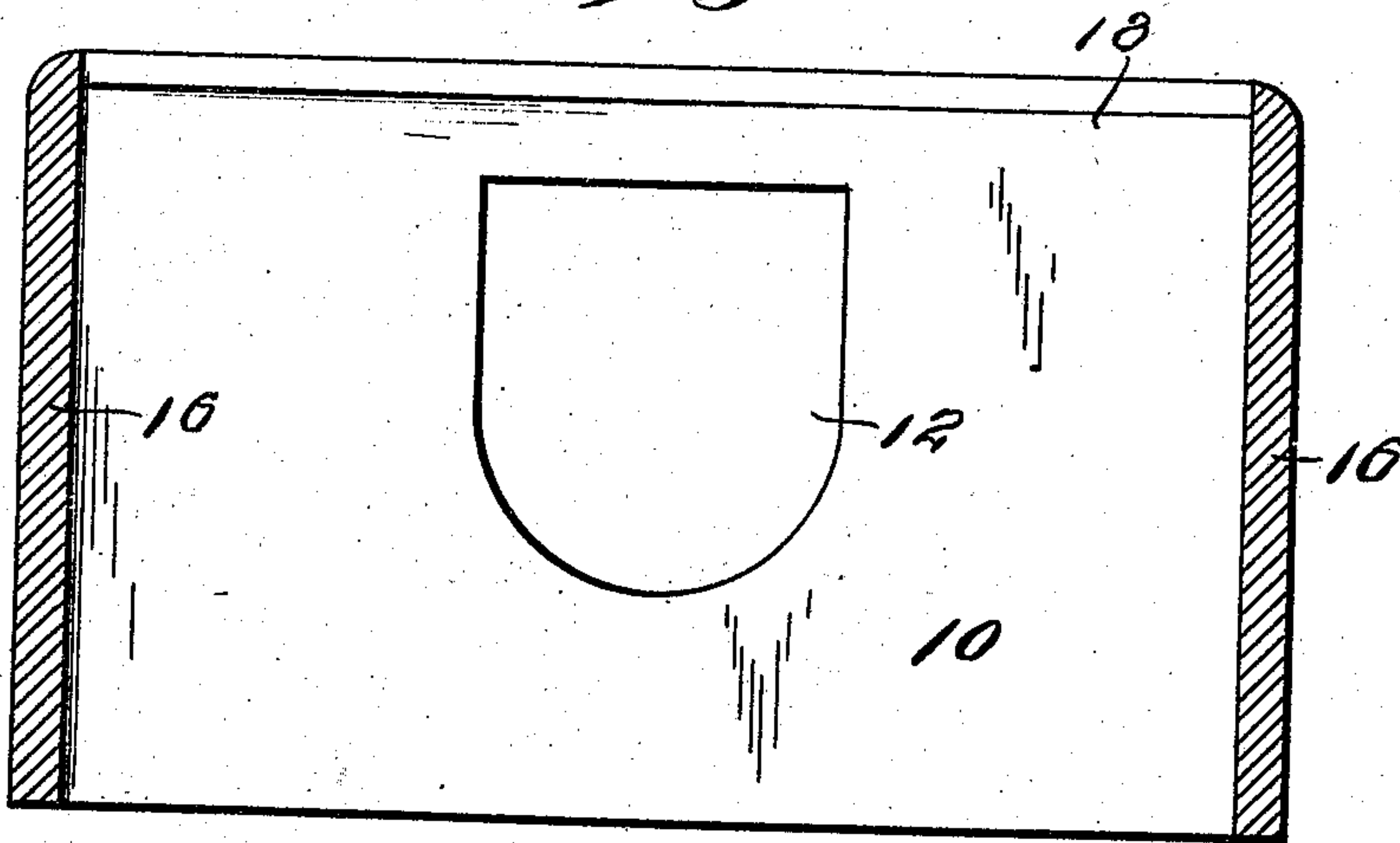


Fig. 2.



Inventor

D. E. Poché,

Witnesses

R. A. Cunningham
R. C. McArthur

By

Charles Chandler

Attorneys

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2 SHEETS—SHEET 2.

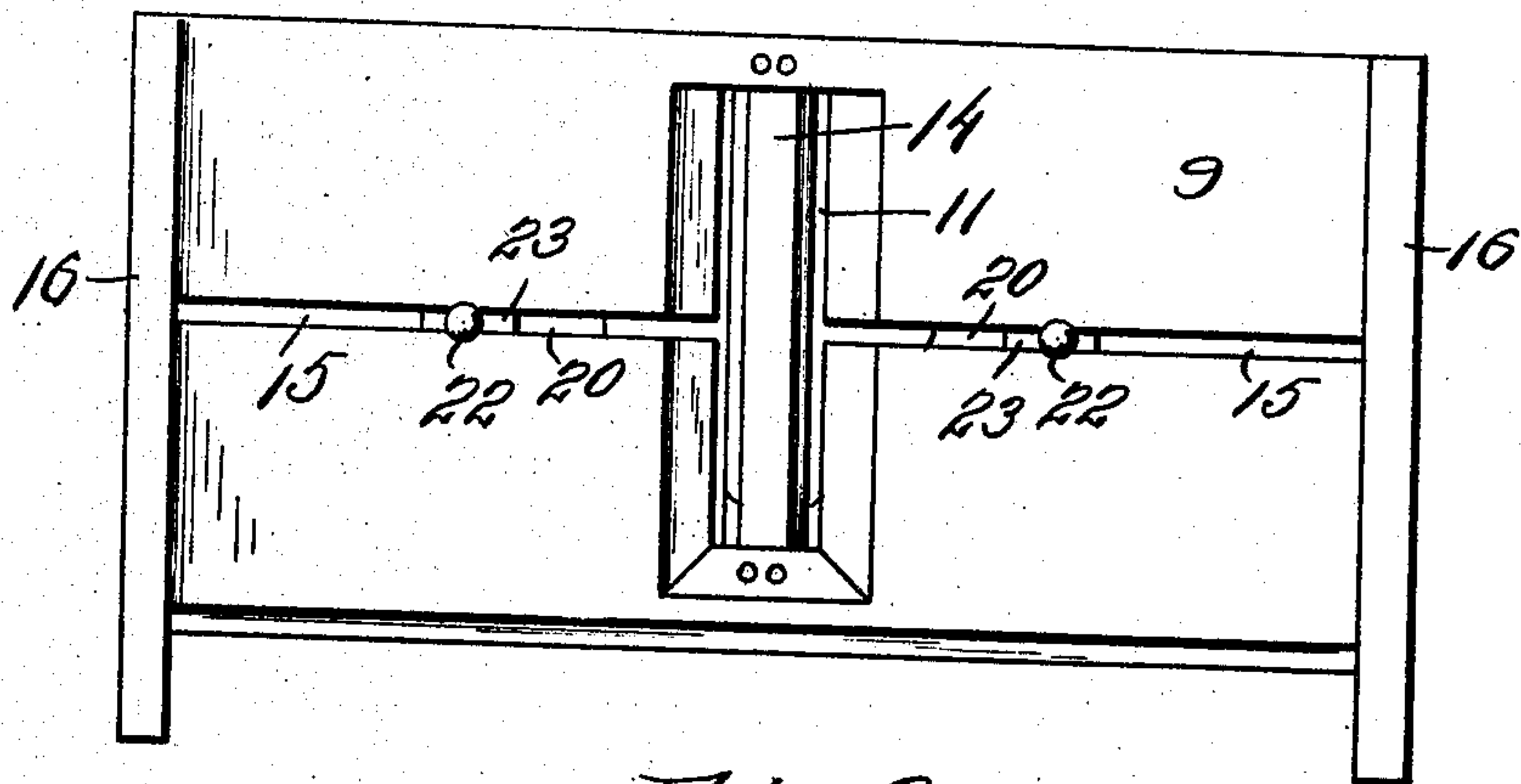


Fig. 3.

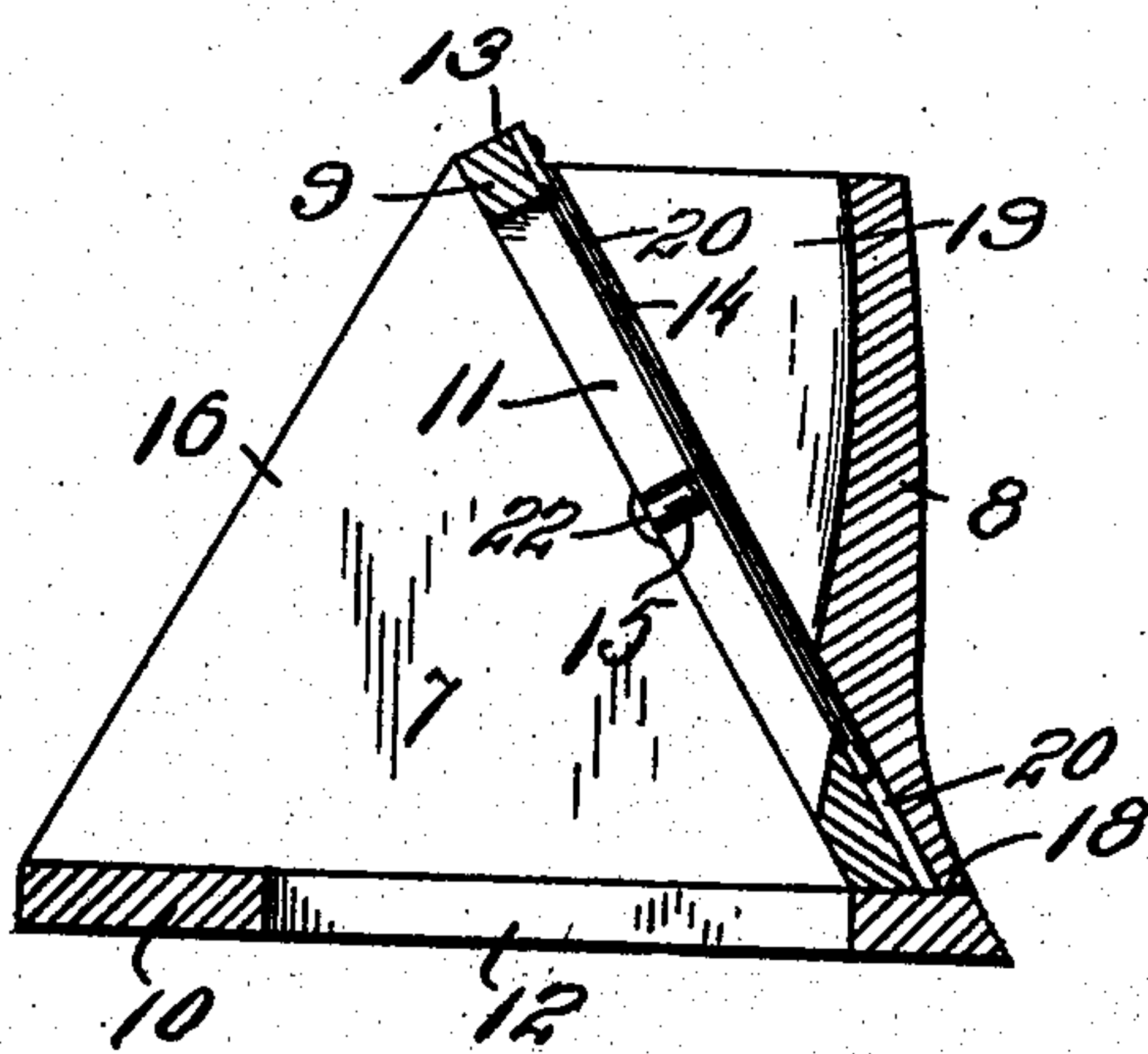


Fig. 4.

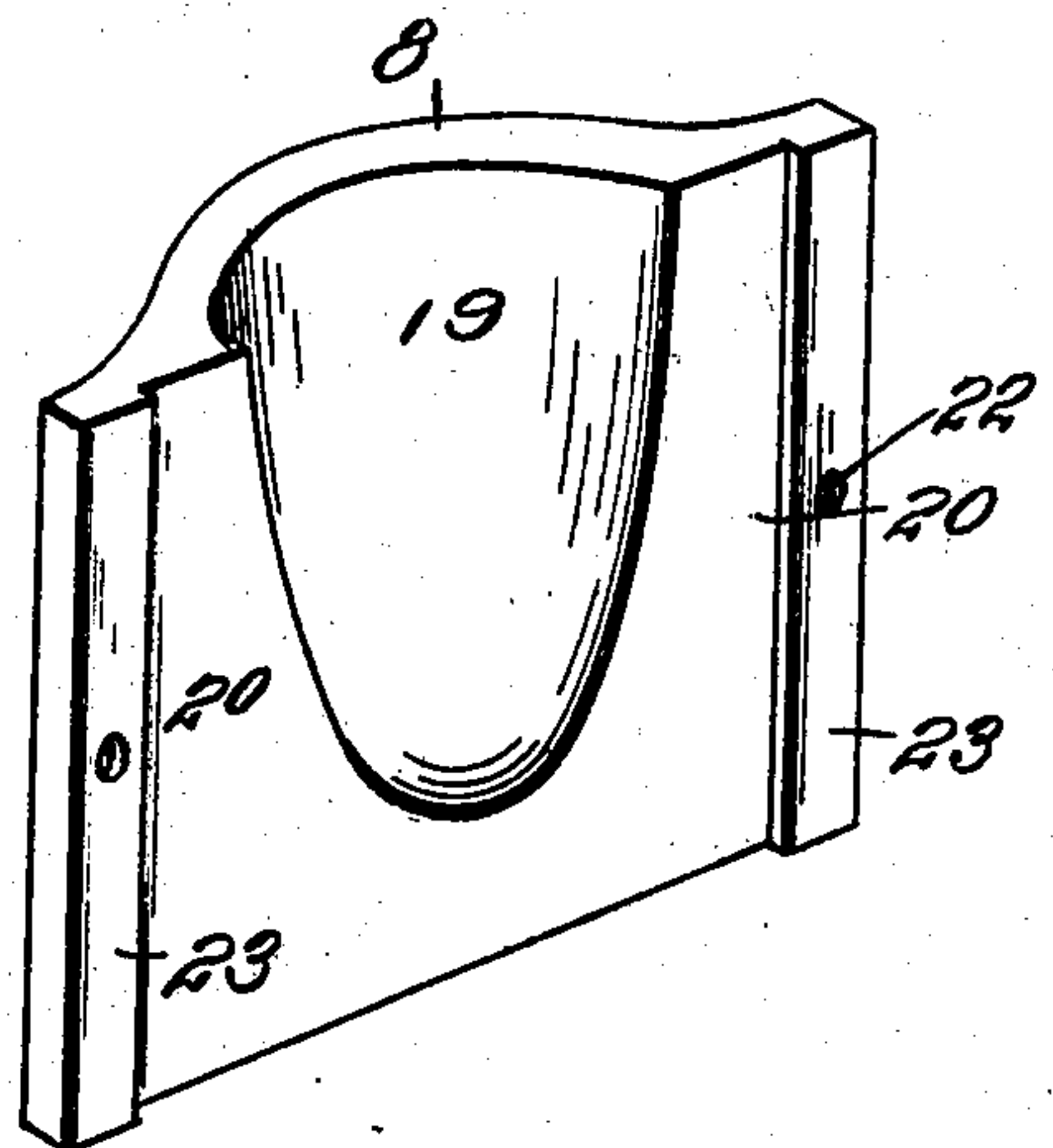


Fig. 5.

Witnesses
L. B. Armstrong
A. C. McCartney

Inventor
D. E. Poche

By *Charles C. Hamaker*
Attorneys

UNITED STATES PATENT OFFICE.

DANIEL E. POCHE, OF PONCHATOULA, LOUISIANA.

POTATO-SLICER.

No. 894,694.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed August 13, 1907. Serial No. 388,404.

To all whom it may concern:

Be it known that I, DANIEL E. POCHE, a citizen of the United States, residing at Ponchatoula, in the parish of Tangipahoa, State of Louisiana, have invented certain new and useful Improvements in Potato-Slicers; 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.

The present invention has reference to potato slicers and it aims to provide an exceedingly simple economic and inexpensive device of that class.

To this end the invention resides in the provision of a potato slicer consisting in its entirety, of a trough shaped hopper, the rear wall of which is provided with a vertical slot, a double edged cutting blade secured at opposite ends to said wall directly in alignment with the slot therein, and a traveling holder slidable against the outer face of said wall and across said blade.

The invention will be readily understood from a consideration of the following detailed description, and its preferred embodiment is illustrated in the accompanying drawings in which like parts are designated by corresponding reference numerals throughout the several views.

Of the said drawings, Figure 1 is a top plan view of the improved slicer, Fig. 2 is an elevation of the bottom wall of the hopper, Fig. 3 is an elevation of the rear wall thereof, the view being taken from the interior of the hopper, Fig. 4 is a transverse section on the line 4—4 of Fig. 1, Fig. 5 is a perspective view of the traveling holder, looking at the inner wall thereof.

Referring more particularly to the drawings, 7 indicates the hopper which, as shown, is approximately trough-shaped, and 8 the holder which is slidable against the outer face of the rear wall 9 of the hopper. The wall 9 which is set directly upon the bottom wall 10, of the hopper, overhangs said wall, as shown, and is provided with a transversely-disposed vertical slot 11 formed intermediate the ends thereof and alining with a circular aperture 12 formed in the bottom wall, the opposing walls of said slot being beveled towards each other.

Formed upon the outer face of the rear wall adjacent each end of the slot 11 is a shoulder 13, to which shoulders a double-

edged blade 14, is secured at opposite ends, the under face of the blade being disposed therefore in spaced relation to the adjacent face of said wall. The width of said blade is such that a slight space exists between each edge thereof and the adjacent edge of the slot.

The slot 11 is intersected at right-angles by a horizontal slot 15 which extends the entire length of the wall 9 and thus divides the latter into an upper and a lower section. This wall, which, as above stated, overhangs the bottom wall is set a slight distance inwardly of the longitudinal edge thereof, as shown, and is further connected at opposite ends with the triangular end walls 16 of the hopper, the rear edges of which are likewise disposed in spaced relation to the adjacent rear edges of the rear wall, this construction resulting in the formation of inclined shoulders 17 against which the opposite edges of the holder strike during its movement in one direction or the other, and in the formation of the horizontal shoulder 18 upon which the lower edge of the holder rests.

The holder, which is shown in Fig. 5, is outwardly flared and is provided with a chamber 19 which decreases in area from the top to the bottom of the holder, with which chamber a pair of seats 20, formed upon opposite sides thereof, communicates.

The holder is connected with the rear wall of the hopper by means of a pair of threaded bolts 22, which extend through the slot 15 into openings formed centrally in the shoulders 23, resulting from the formation of the seats 20. The headed outer ends of said bolts bear against the inner face of the rear wall of the hopper and thus prevent displacement of the holder.

In the operation of the device the potatoes are placed in the chamber 19 of the holder and the latter is then moved backwards and forwards on the rear wall of the hopper, such movement of the holder causing slices to be severed from the potato, the slices falling through the aperture 12 in the bottom wall of the hopper into a suitable receptacle over which the hopper is placed. It is to be understood, however, that while the device is designed primarily for use as a potato slicer it is adapted for use with equal facility in slicing other vegetables, and in slicing fruit.

Owing to the formation of the seats 20 into which the blade extends when the hopper is at the limit of its movement in one direction

or the other, the slices will be completely severed from the potatoes, the edges of the blade contacting with the adjacent face of the corresponding shoulder when the holder is in such position, the holder being preferably constructed of wood. If, however, a metal holder is made use of, the seats 20 are extended inwardly a sufficient distance to prevent the edges of the blade from contacting with said shoulders.

The holder may be readily disengaged from the hopper for cleaning purposes by merely removing the bolts 22. The blade may likewise be detached from the rear wall of the hopper upon the removal of the holder.

As has been previously stated, the, rear wall 9 of the hopper is extended forwardly so as to overhang the bottom wall 10 thereof, and the circular aperture 12 formed in the latter is disposed directly beneath the slot 11 in said rear wall. By reason of this construction it will be apparent that the inclined wall serves as a positive support against which the sliding holder rests, while the alinement of the slot and aperture above referred to permits the slices to fall through the aperture into the receptacle upon whose upper edges the hopper rests. It will likewise be apparent that by reason of the inclination of said wall and the tapered formation of the seat 19 in the holder 8, the blade will be disposed at an acute angle to the holder, and the vegetables with which the seat is filled will gravitate towards the bottom thereof, there being therefore no necessity for the provision of a separate plunger for holding them against the blade.

Further description of the invention and its operation is deemed unnecessary in view of the foregoing.

What is claimed, is,

1. A device of the class described, comprising, in combination, a hopper including an apertured bottom wall, and an inclined rear wall overhanging the bottom wall, said rear wall being provided with a vertical slot alining with the aperture in the bottom wall; a blade secured at opposite ends to the outer face of said rear wall directly over said slot; and a holder carried by said rear wall and

slidable directly across said blade and slot said holder being provided with a chamber adapted to register with said slot during the travel of the holder.

2. A device of the class described, comprising, in combination, a hopper including an apertured bottom wall and an inclined rear wall overhanging the bottom wall, said rear wall being provided with a vertical slot alining with the aperture in the bottom wall, and with a horizontal slot intersecting said vertical slot at right-angles; a blade secured at opposite ends to the outer face of said rear wall directly over said vertical slot; a holder slidable against the outer face of the rear wall directly across said blade and vertical slot, said holder being provided with a chamber adapted to register with said vertical slot during the travel of the holder; and means carried by the holder at opposite sides thereof and extending through the horizontal slot, for retaining the holder in place against the rear wall of the hopper.

3. A device of the class described, comprising, in combination, a hopper including an apertured bottom wall and an inclined rear wall overhanging the bottom wall, said rear wall being provided with a vertical slot alining with the aperture in the bottom wall and with a horizontal slot intersecting said vertical slot at right-angles; a shoulder formed upon the outer face of said rear wall at each end of said vertical slot; a double edged blade secured at opposite ends to said shoulders; a holder slidable against the outer face of said rear wall and provided with a chamber adapted to register with said vertical slot during the travel of the holder, and with a seat disposed upon each side of said chamber; and a pair of headed bolts carried by said holder and projecting through said horizontal slot, for retaining the holder in place against the rear wall of the hopper.

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

DANIEL E. POCHE.

Witnesses:

H. H. MITCHELL,
GEO. HOOVER.