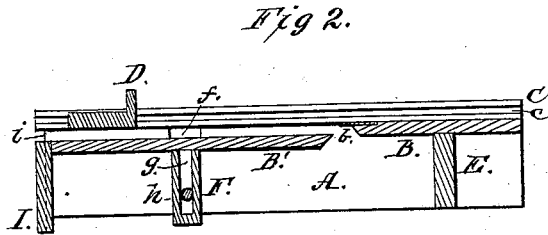
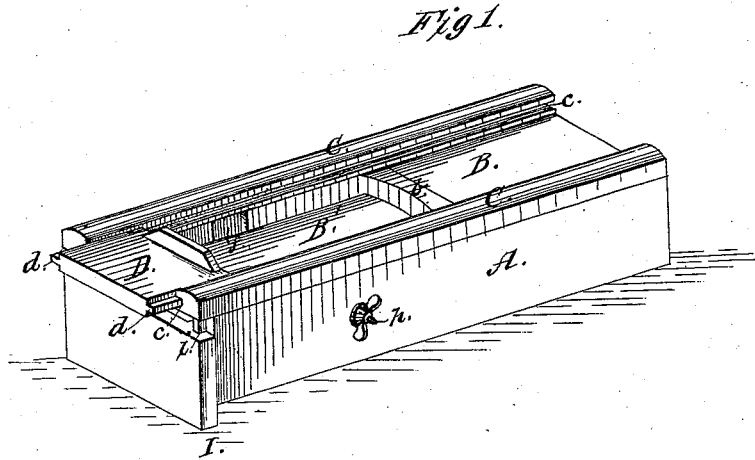


J. J. WINNE & W. H. KENT.
Vegetable-Slicer.

No. 161,849.

Patented April 6, 1875.



Witnesses:

Philip W. Hale.
L. P. Crowl.

Inventors:

Joshua J. Winne
William H. Kent
per Richards & Hale

UNITED STATES PATENT OFFICE.

JOSHUA J. WINNE AND WILLIAM H. KENT, OF LOCKPORT, NEW YORK,
ASSIGNORS OF ONE-HALF THEIR RIGHT TO REMINGTON JAMES AND
FRANK A. BOWDOIN.

IMPROVEMENT IN VEGETABLE-SLICERS.

Specification forming part of Letters Patent No. 161,849, dated April 6, 1875; application filed
February 15, 1875.

To all whom it may concern:

Be it known that we, JOSHUA J. WINNE and WILLIAM H. KENT, of Lockport, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Vegetable-Slicers; and we 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 pertains 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.

Our improvement in vegetable-slicers consists in a novel arrangement of devices for regulating the thickness of slices cut from vegetables and other articles.

In the drawing, Figure 1 is an isometric perspective view of a slicer constructed according to our invention. Fig. 2 is a vertical longitudinal section taken on the dotted line *x x*, Fig. 1.

A A are the sides of the frame. *B* is the stationary section of the top, abutting against the inner edge of which is the blade *b*. *B'* is the adjustable section of the top, the position of which governs the thickness of the slice. *C C* are grooved guides arranged on opposite edges of the top of the frame. In the grooves *c c* in these guides work the splines *d d* of the reciprocating head *D*. *E* is a stationary cross-brace extending between the sides *A A*. *F* is a cross-brace attached to the under side of the adjustable section *B'* of the top. The ends of this cross-brace work in vertical grooves *f* in the sides of the frame, and through it, from end to end, is cut a slot, *g*, which extends from its top to within a short distance of its bottom. Through this slot passes a rod or bolt, *h*, which extends through holes in the opposite sides of the frame *A A*. One end of this rod is headed; the other is screw-threaded, and provided with a thumb-nut outside of the frame. *I* is an adjustable end piece of the frame. It is firmly attached to the adjustable section *B'* of the top, and is provided with

grooves on its inner side, which fit over and work upon tongues *i i* on the ends of the sides *A A*.

The operation of my improved slicer is as follows: The thumb-nut on the end of rod *h* being loosened, the adjustable section *B'* of the top is depressed a suitable distance, according to the thickness of slice desired, and the thumb-nut again screwed up, drawing the sides *A A* toward each other, so as to tightly clamp the adjustable cross-brace *F* and section *B'*, which are thus secured firmly in position, to cause the slices to be each of uniform thickness, as the ends of cross-brace *F*, working in the grooves *f f*, and the tongues *i i*, working in the grooves in the end piece *I*, enable a uniform adjustment to be made of the section *B'*. The article to be sliced is placed in front of and against head *D*, which is drawn to the end opposite the knife, and then pressed forward against the knife until a slice is severed, and the operation repeated as desired. By withdrawing the rod *h* the apparatus may be easily taken apart for cleaning.

Having now fully explained the construction and operation of our invention, we claim and desire to secure by Letters Patent—

1. The combination of top section *B'*, capable of parallel adjustment, vertically-movable slotted cross-brace *F*, and bolt *h*, passing through sides *A A*, substantially as shown.

2. The adjustable top section *B'*, provided with attached cross-brace *F*, working in grooves *f f*, and end piece *I*, having grooves fitted over and working upon tongues *i i* on the ends of the sides *A A*, substantially as and for the purpose set forth.

In testimony that we claim the foregoing as our own invention, we affix hereto our signatures in presence of two witnesses.

JOSHUA J. WINNE.
WILLIAM H. KENT.

Witnesses:

VOLNEY SIMSON,
J. A. BRONSON.