

(No Model.)

C. M. FAIRBANKS.
VEGETABLE SLICING MACHINE.

No. 501,928.

Patented July 25, 1893.

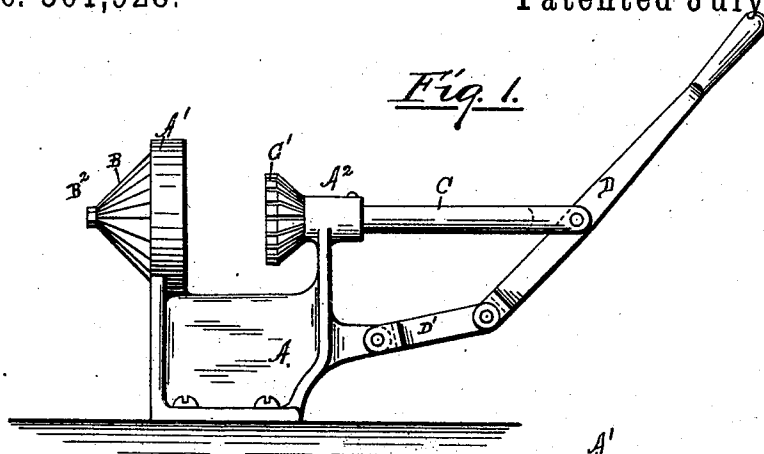


Fig. 1.

Fig. 3.

Fig. 7.

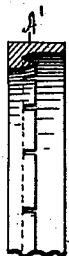


Fig. 4.

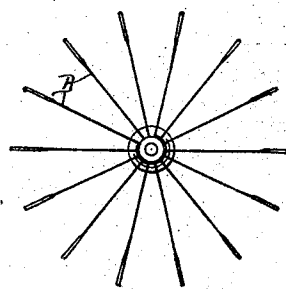
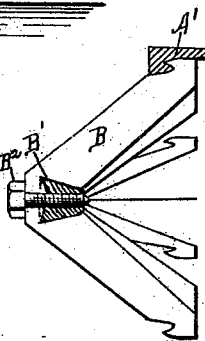


Fig. 2.

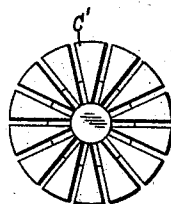
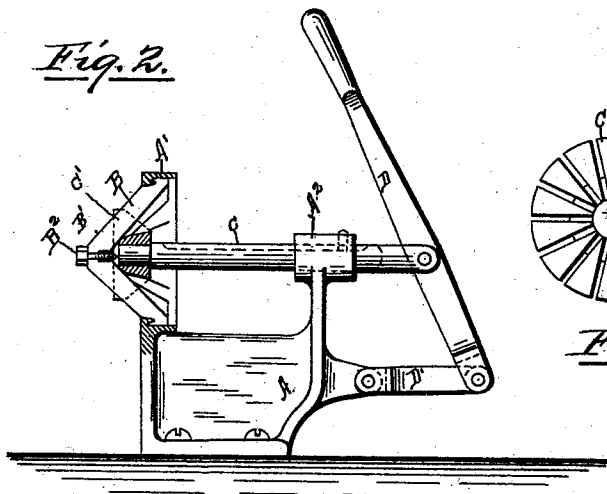


Fig. 5.

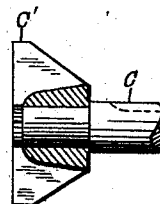


Fig. 6.

Witnesses:

Charles Harrigan.
Samuel H. Roberts.

Inventor:

Crawford M. Fairbanks
By J. E. Goldworthy
Atty

UNITED STATES PATENT OFFICE.

CRAWFORD M. FAIRBANKS, OF CENTRAL FALLS, ASSIGNOR OF ONE-HALF
TO GEORGE E. CRANSTON, OF RIVERSIDE, RHODE ISLAND.

VEGETABLE-SLICING MACHINE.

SPECIFICATION forming part of Letters Patent No. 501,928, dated July 25, 1893.

Application filed November 30, 1892. Serial No. 453,604. (No model.)

To all whom it may concern:

Be it known that I, CRAWFORD M. FAIRBANKS, of Central Falls, in the county of Providence, in the State of Rhode Island, have
5 invented certain new and useful Improvements in Vegetable-Slicing Machines; and I do hereby declare that the following, taken in connection with the accompanying drawings, which form part of this specification, is
10 a description of my invention sufficient to enable those skilled in the art to practice it.

My invention relates to improvements in vegetable slicing machines in which a succession of knife-blades, arranged in a conic figure,
15 in conjunction with a co-operating plunger, are employed to cut vegetables or fruit into tapering slices with speed and of a thickness as desired. These results are attained through the machine illustrated in the drawings, in
20 which—

Figure 1 represents an elevation of the machine; Fig. 2 an elevation partly in section, the plunger in conjunction with the knife-blades; Fig. 3 a front view of the knife-blades; Fig. 4 a side view of a portion of the
25 knife-blades, a section of the peripheral stay, rim, truncated nut and bolt; Fig. 5 a front view of the slotted plunger; Fig. 6 a sectional side view of the plunger and shaft connecting it with the hand lever and Fig. 7 a section of the peripheral stay.

Similar letters of reference indicate corresponding parts in all the figures.

The plunger C' is slotted, the slots corresponding in number to the knife-blades B, and
35 is adjusted to the shaft C so that the slots will be in line with the knife-blades. The knife-blades are detachable, each independent of the other, so that a greater or less number
40 may be used as desired (a provision which allows in a single machine, a division of the fruit or vegetable into sections large or small), provided that the maximum number of knife-blades do not exceed the number of slots in
45 the plunger. Preferably the bed A, the peripheral stay A' and the plunger sleeve guide A² are constructed in one piece. The stay A' is designed to hold in position the remote or separated end of the knife-blades, and in-
50 teriorly, is provided with a sharp rim slitted

at intervals about half its depth to receive the knife-blades edgewise. The rim forms an acute angle with the interior surface of the peripheral stay and fits a notch, cut at the same angle, near to the remote end of the
55 knife-blades, shown in Fig. 4. the design of which is to prevent them from being displaced under pressure of the plunger. The slits in the rim provide against a lateral movement of the blades and hold the remote end of the
60 knife-blades in position during the operation of fastening at the apex. A truncated nut and bolt D² are employed to group and hold the knife-blades at the apex or place of convergence of said blades, the nut being pro-
65 vided with a rim and the knife blade notched; the method of holding being substantially the same as at the remote end of the knife-blade. By loosening the truncated nut the knife-blades may be removed in whole or in part at
70 pleasure. The slots in the plunger will be of a depth to permit the same to pass in between the knife-blades to force the object sliced beyond them as shown in Fig. 2.

The figure presented by the knife-blades
75 set in the machine is substantially a cone.

DD is a compound hand lever to which the shaft C is attached for operating the plunger.

I am aware that several patents of the United States have been granted for machines
80 similar to my invention. Hence I make no claim to the distinctive features of such prior inventions.

I claim as new and desire to secure by Letters Patent—
85

The combination of a slotted plunger, detachable co-operating knife-blades, peripheral stay provided with a slotted interior for holding the remote ends of the same truncated
90 nut and bolt for holding the knife-blades at the converging ends of the same, and compound lever for operating the plunger, substantially as specified.

In testimony whereof I have hereunto set my hand this 26th day of November, 1892.

CRAWFORD M. FAIRBANKS.

Witnesses:

JOSEPH E. FALES,
R. E. ANDERSON.