(No Model.)

C. HOLTON.

APPLE PARER, CORER AND SLICER.

No. 256,800. Patented Apr. 18, 1882.

Fig. 1.

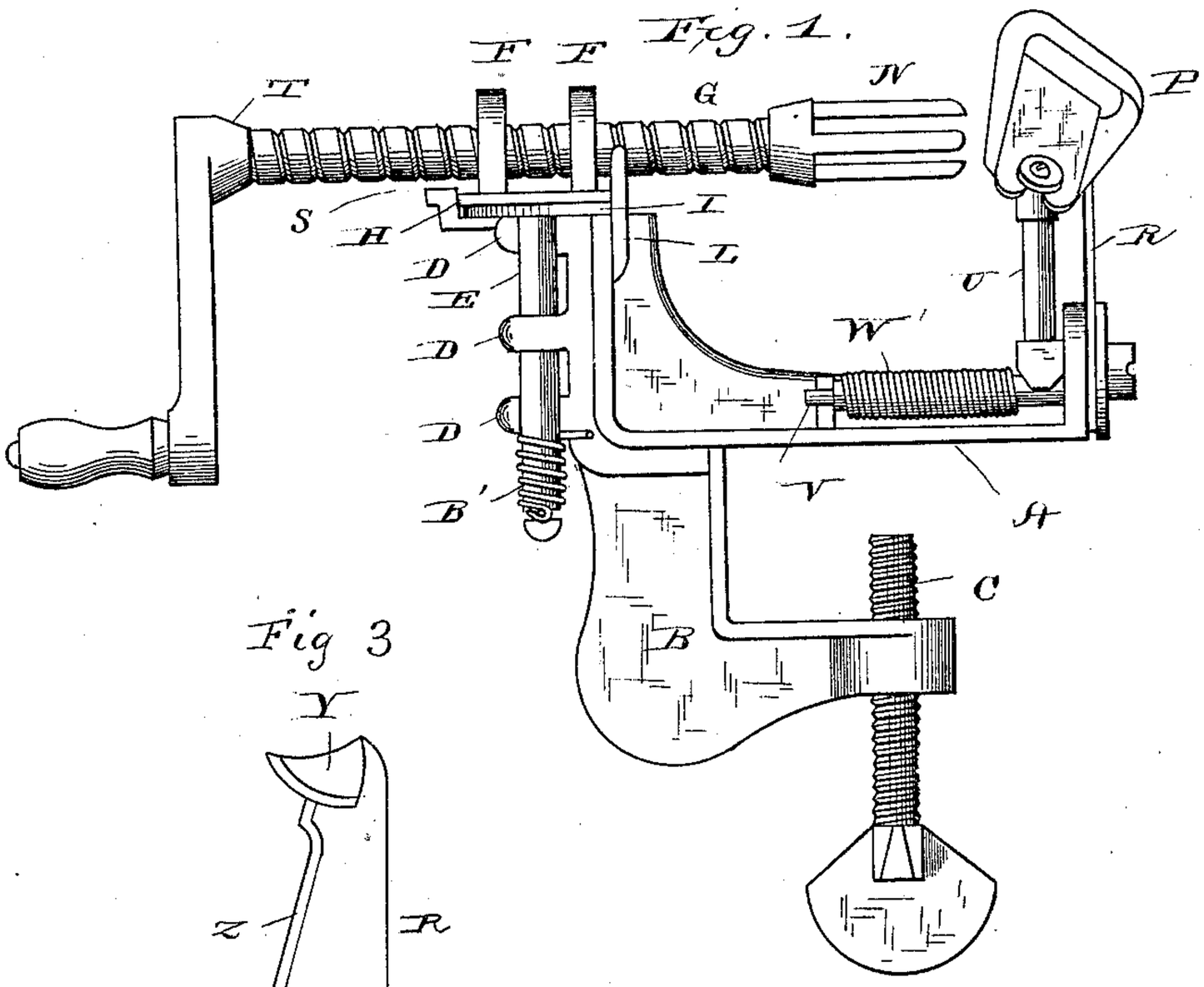
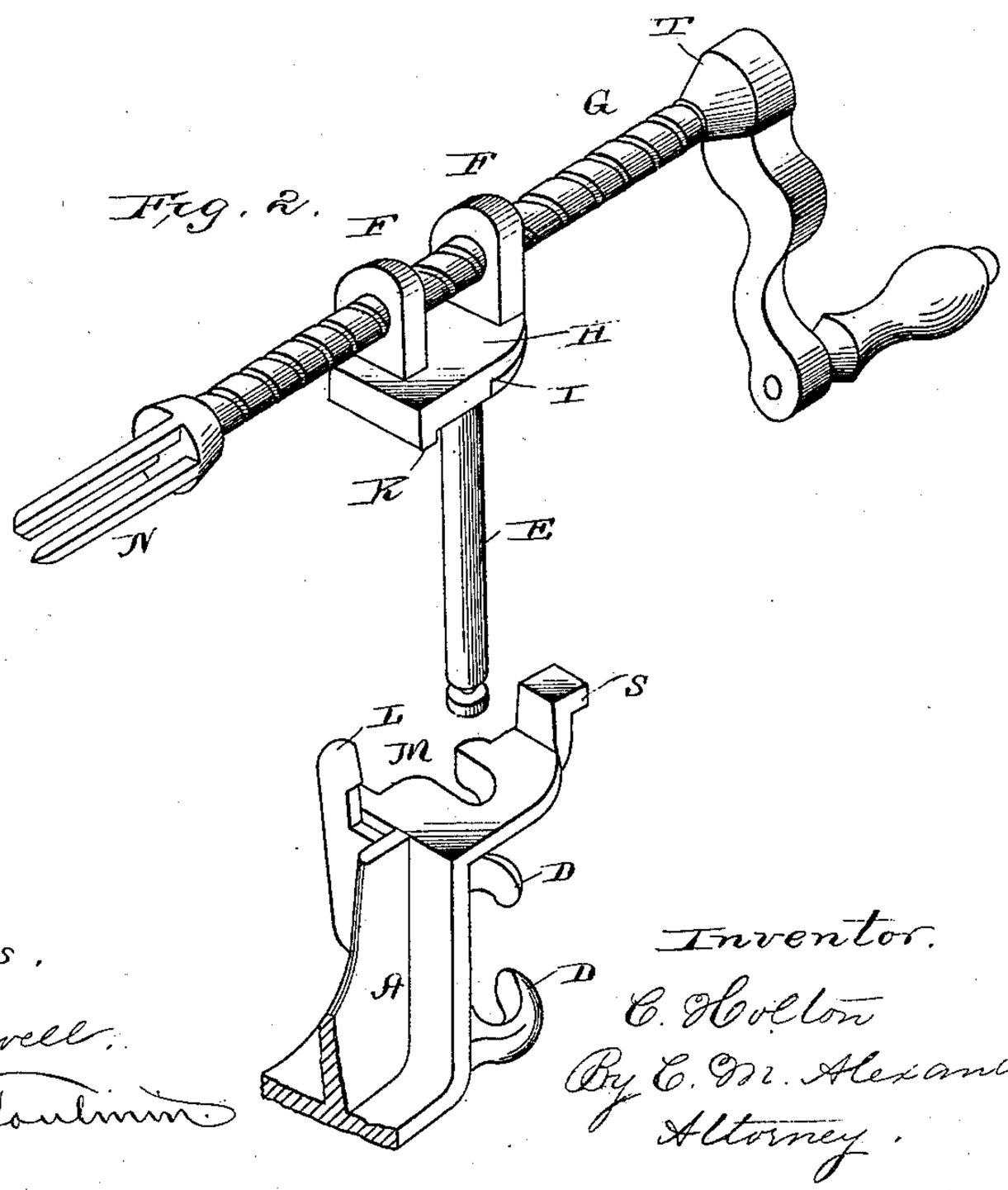


Fig 3

Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

CASSIUS HOLTON, OF READING, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO B. FRANK SEITZINGER, OF SAME PLACE.

APPLE PARER, CORER, AND SLICER.

SPECIFICATION forming part of Letters Patent No. 256,800, dated April 18, 1882.

Application filed March 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, CASSIUS HOLTON, of Reading, in the county of Berks, and in the State of Pennsylvania, have invented certain new and useful Improvements in Apple Parer, Corer, and Slicer; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in apparatus for paring, coring, and slicing apples; and it has for its object to provide a machine that will be inexpensive in construction, efficient in operation, and which will not be liable to get out of order. These objects I attain by the apparatus illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of my improved apparatus. Fig. 2 is a perspective view of a portion of my apparatus, showing the shaft which carries the apple-fork and the shaft-bearing detached from the frame of the apparatus; and Fig. 3 indicates a detached perspective view of the slicing and coring cutter.

In the drawings, the letter A indicates the frame of the machine, which is provided with a jaw, B, and clamping-screw C, by means of which it can be readily secured to a table or other support. The said frame, at one end, is provided with a series of bearings, D, for the vertical shaft E, which carries at its upper end the bearings F, in which the screw-threaded fork-shaft G is journaled and adapted to travel. The said bearings are mounted on a base or plate, H, which sets, when in a normal position, upon a horizontal seat, I, forming part of the frame, and is held in position by means of a flange, K, which sets over the front edge of the seat.

The frame is provided with an upright extension, L, at one side, which has a lug, M, on its upper end, the said lug being sharpened at its edge and adapted to engage the thread of the screw when the parts are in normal position, so as to advance the screw and its fork N, upon which the apple is placed, toward the cutters P R as the shaft is rotated.

The letter S indicates a lug at the rear of the seat I, which is adapted to engage the beveled or conical shoulder T at the rear of the fork-shaft when the screw has advanced the whole of its length and lift the plate H and its bearings and screw-shaft sufficiently to disengage the flange K from the seat and the lug M from the screw-threads of the shaft and permit the screw-shaft to be turned at right angles to its normal position in order that the shaft may be readily pushed back by the placing of an apple upon the fork—that is, the pressure required to embed the prongs of the fork in the apple is sufficient to place the shaft in position for another operation.

The cutter P is swiveled upon a shaft, U, which is secured to a rock-shaft, V, journaled in suitable bearings on the frame, and provided with a spring, W, by means of which the cutter is held against the apple in order to pare the apple.

The letter Y indicates the coring-cutter, which forms part of the slicing-cutter, which is secured to the forward end of the machine. The said cutter is provided with a slicing-edge, Z, and a corer, Y, as before mentioned, the latter being formed so as to extend to each side of the slicing-edge in order to work on both sides of the said slicing-edge.

The operation of my invention is as follows: The apple is supported upon the fork in the usual manner and rotated and advanced toward the cutters by turning the fork-shaft. When the shaft has advanced its full extent the cone-shoulder is carried against the lug on the seat, raising the shaft and its bearings, so as to permit the shaft to be turned at right angles to its normal position in order to remove the core and place a fresh apple upon the fork and permit the shaft to be pushed back to commence work anew. The vertical shaft is held down by means of a spring, B′, which yields when the cone-shoulder comes in contact with the lug.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the frame and the cutters, the vertical shaft journaled in bear-

ings on the frame and provided with a plate having bearings, in which is journaled the screw fork shaft, the said plate being provided with a flange to engage the edge of the seat upon which it rests, and the seat provided with a lug to engage a cone-shoulder on the shaft, whereby the shaft and its supports are automatically elevated to permit the said shaft to be turned at right angles to its normal position, substantially as specified.

2. The slicing-knife provided with a straight blade, R, having an inclined cutting-edge, Z, and a coring-cutter, Y, extending to each side of the blade, substantially as specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 1st day of March, 1882.

CASSIUS HOLTON.

Witnesses:
D. T. C. ERMENTROUT,
H. A. ZIEBER.