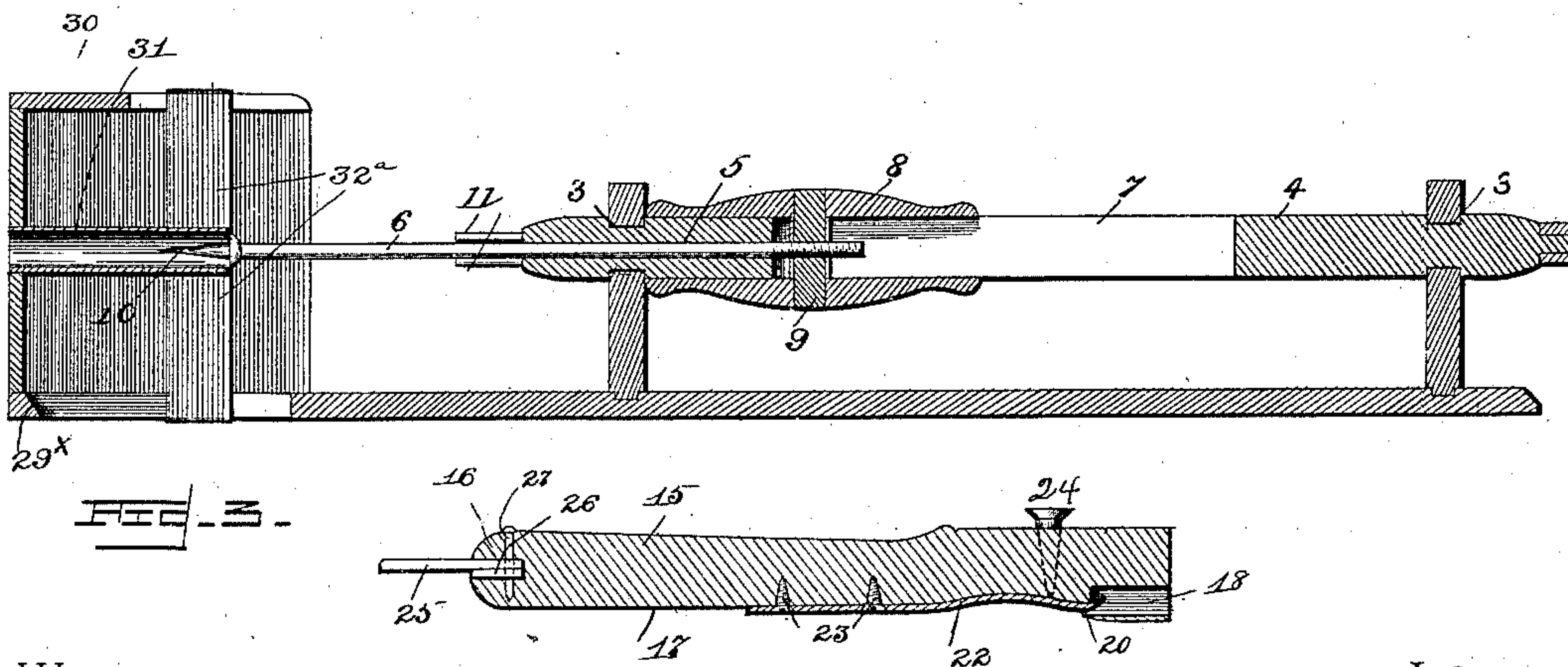
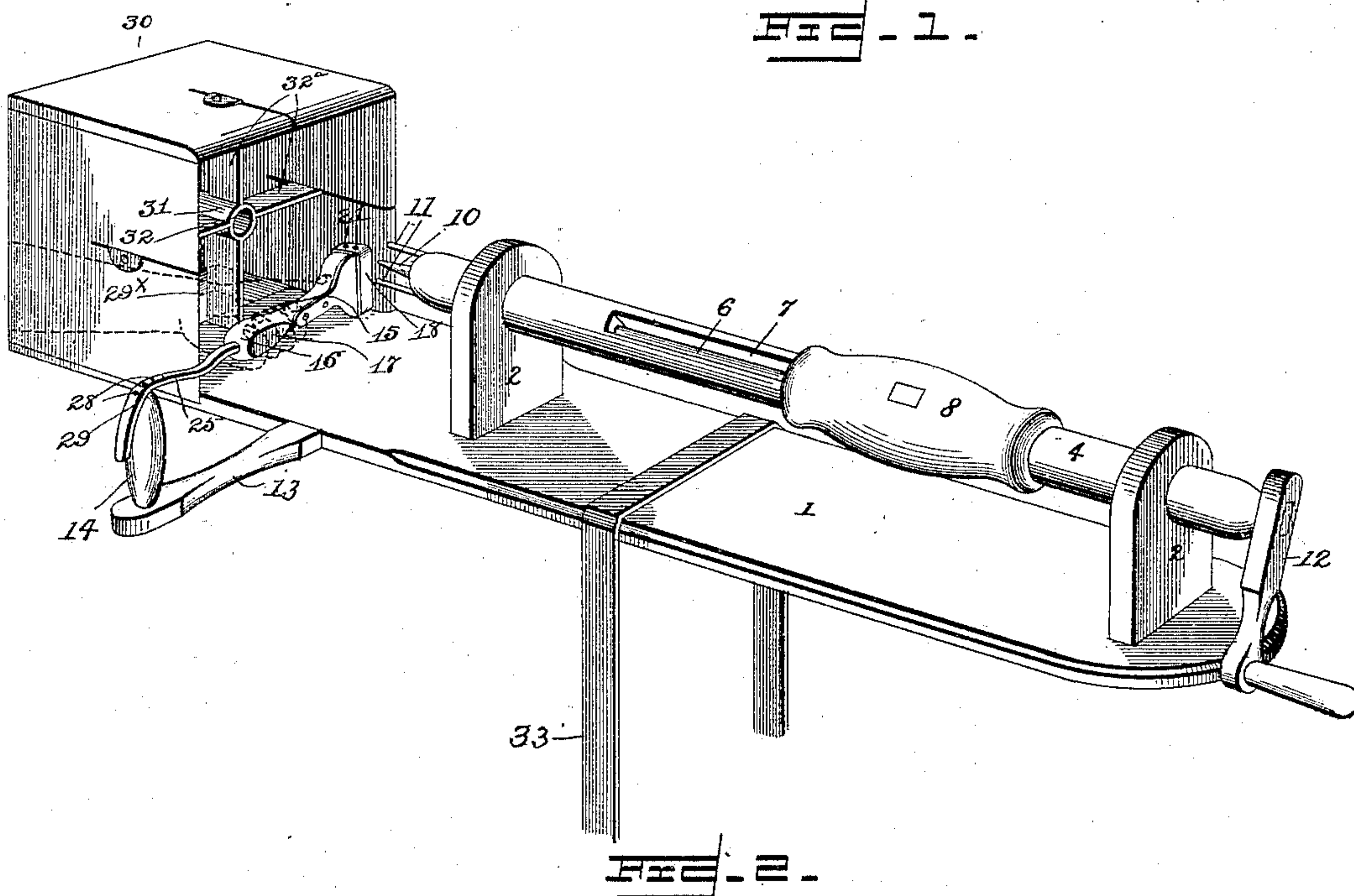


(No Model.)

E. H. ELLIOTT.  
APPLE PARER, CORER, AND CUTTER.

No. 473,621.

Patented Apr. 26, 1892.



Witnesses:

Inventor

E. S. Duval & Co. By his Attorneys,  
W. F. Duval.

Elmore H. Elliott

C. A. Snow & Co.



# UNITED STATES PATENT OFFICE.

ELMORE H. ELLIOTT, OF TRUEBADA, WEST VIRGINIA.

## APPLE PARER, CORER, AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 473,621, dated April 26, 1892.

Application filed November 2, 1891. Serial No. 410,660. (No model.)

*To all whom it may concern:*

Be it known that I, ELMORE H. ELLIOTT, a citizen of the United States, residing at Truebada, in the county of Gilmer and State of West Virginia, have invented a new and useful Apple Parer, Corer, and Cutter, of which the following is a specification.

This invention relates to improvements in apple corers, parers, and cutters; and the objects in view are to provide a cheap and simple machine upon which an apple may be operated upon for the purpose of paring and subsequently coring and cutting.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of an apple parer, corer, and cutter constructed in accordance with my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a detail longitudinal section of the paring-knife.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the base, and from the same at one end and near its middle rise bearing-standards 2, provided near their upper ends with bearing-openings 3.

4 designates a rotatable shaft, preferably formed of wood and reduced near its ends, forming journals for taking bearing in the bearings 3 of the standards. The shaft 4 is provided with a longitudinal bore 5, in which is mounted for reciprocation a plunger-rod 6. Between its bearings the shaft is provided with a longitudinal slot 7, which extends for a considerable portion of the length of the shaft and transversely through the same. A sleeve 8, externally shaped to form a grip or handle, is mounted for longitudinal movement upon the shaft, and a transverse bar 9, rigidly connected to the plunger-rod, is located in the slot and at its ends connected to diametrically-opposite points of the interior of the sleeve. By this means the sleeve, while adapted to reciprocate and thus reciprocate the plunger within the shaft, is prevented from any rotation independent of the shaft. The plunger-rod is provided at its front end with a spike 10, and at each side of the same similar spikes 11 extend from the end of the

shaft 6. The rear or outer end of the shaft 6 carries a suitable crank-handle 12, by which the shaft may be turned manually, or other means may be employed for such operation.

An arm 13, extending from the front edge of the base 1, is provided with a handle or grip 14, which rises vertically from the outer extremity of the same.

The parer consists of a wooden or other handle 15, shaped to accommodate itself to the hand and merges at its outer end in a flared head 16, one face of which is beveled, as at 17. A U-shaped knife 18, having a cutting-edge 20 at its rear transverse side, has its opposite terminals connected by screws 21 to the opposite sides of the head. A spring-plate 22 is connected by screws 23 to the handle 15 and at its outer end is widened and terminates slightly in rear of the cutting-edge of the U-shaped cutter, at which point said spring-plate is inwardly bent, so as to form a clearance-channel. A pair of screws 24 extend through the head of the handle, and bear at their inner ends against the spring-plate, whereby the latter may be adjusted toward or away from the cutting-edge of the U-shaped knife, so that the knife is adapted to pare thick or thin. The handle of the knife is provided with an opening, and in the same is inserted one end of a strap 25, a peg 26 serving to secure the strap within the opening and being in turn held by a transverse pin or nail 27. The strap is perforated or provided with adjusting-holes 28, and a screw 29 serves to connect the opposite end of the strap with the upwardly-disposed grip 14, whereby the knife is always at hand to be readily grasped by the operator.

The base 1 is provided at one end with an opening 29<sup>x</sup>, under which a basket or other receptacle for the reception of the cut apples may be placed, and over the opening a box 30 is mounted. A tube 31 extends from the rear end of the box to the inner or front end thereof or near the same and terminates in a cutting-edge 32 at said inner end, and from the tube to the walls of the box radiate cutters 32<sup>a</sup>, in this instance four in number, and hence adapted to quarter the fruit, though it will be obvious that the number of cutters may be increased or diminished.

This being the construction, the operation is as follows: The U-shaped blade of the knife



is first set so as to pare the required depth and an apple axially spiked upon the spikes of the plunger and shaft. The shaft is now rotated and the cutter or knife applied, and the parings as removed pass out through the clearance-channel of the knife. When the peeling has been removed, the sleeve 8 is grasped by the hand of the operator and slid along the shaft toward the corer and slicer, carrying with it the apple and separating the same from the spikes at the end of the shaft. The coring-tube being concentric with the plunger-rod, receives the core of the apple, said core being pushed by the plunger within the tube, by which the core is removed from the apple, and at the same time the radial cutters or slicers serve to quarter or otherwise slice the pared and cored fruit. When this has been accomplished, the sleeve and plunger are returned to their first position ready to receive another apple, and thus the operation is repeated, each core serving to force that of the previous apple rearwardly from the tube, the apple as sliced falling through the opening in the base into the receptacle waiting thereunder.

From the foregoing description, in connection with the accompanying drawings, it will be seen that I provide a cheap and simple machine adapted to rapidly and effectually pare apples and subsequently core and slice the same.

The device described may be secured to an ordinary table or bench by screws or other means; but in this instance I have shown an endless strap 33, passed around the base 1 and adapted to be used for the purpose of supporting the device upon the knees or lap of the operator by means of the foot passed through the strap.

Having described my invention, what I claim is—

1. In a machine of the class described, the combination, with a base, a pair of bearing-standards rising from the same, of a shaft rotatably mounted in the bearing-standards and provided with a longitudinal bore and slot, a plunger-rod mounted for reciprocation in the bore and terminating at its outer end in a spike, spikes located upon the end of the

shaft, a sleeve mounted for reciprocation upon the shaft and connected rigidly with the plunger-rod, a coring-tube mounted in the path of the plunger-rod and provided with radial knives, means for operating the shaft, and a parer, substantially as specified.

2. In a machine of the class described, the combination, with the base having the opening, the box mounted thereover, the coring-tube mounted in the box and having its rear end terminating outside the same, the radial knives extending from the tube and secured to the walls of the box, and the standards rising from the base in front of the box and provided with bearings, of the shaft longitudinally bored and slotted, mounted in the bearings and provided at one end with a crank and at its opposite end with spikes, a plunger-rod mounted for reciprocation in the bore and terminating at its outer end in a spike, a sleeve, externally shaped to form a handle, mounted for reciprocation upon the shaft, a transverse bar connected to the plunger-rod and sleeve and mounted for reciprocation in the slot of the shaft, and a parer, substantially as specified.

3. In a machine of the class described, the combination, with a base, an apple-supporting rotating mechanism mounted thereon, of an arm extending from the base, and a paring-knife, and a flexible strap adjustably connecting the paring-knife and arm, substantially as specified.

4. In a machine of the class described, the paring-tool consisting of a handle merging at its outer end in a head having a beveled side, a U-shaped blade secured at its ends to the opposite sides of the head, a spring-plate secured to the handle and terminating under the blade, and set-screws for adjusting the spring-plate to and from the blade, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ELMORE H. ELLIOTT.

Witnesses:

LEVI JOHNSON,  
C. B. CONRAD.