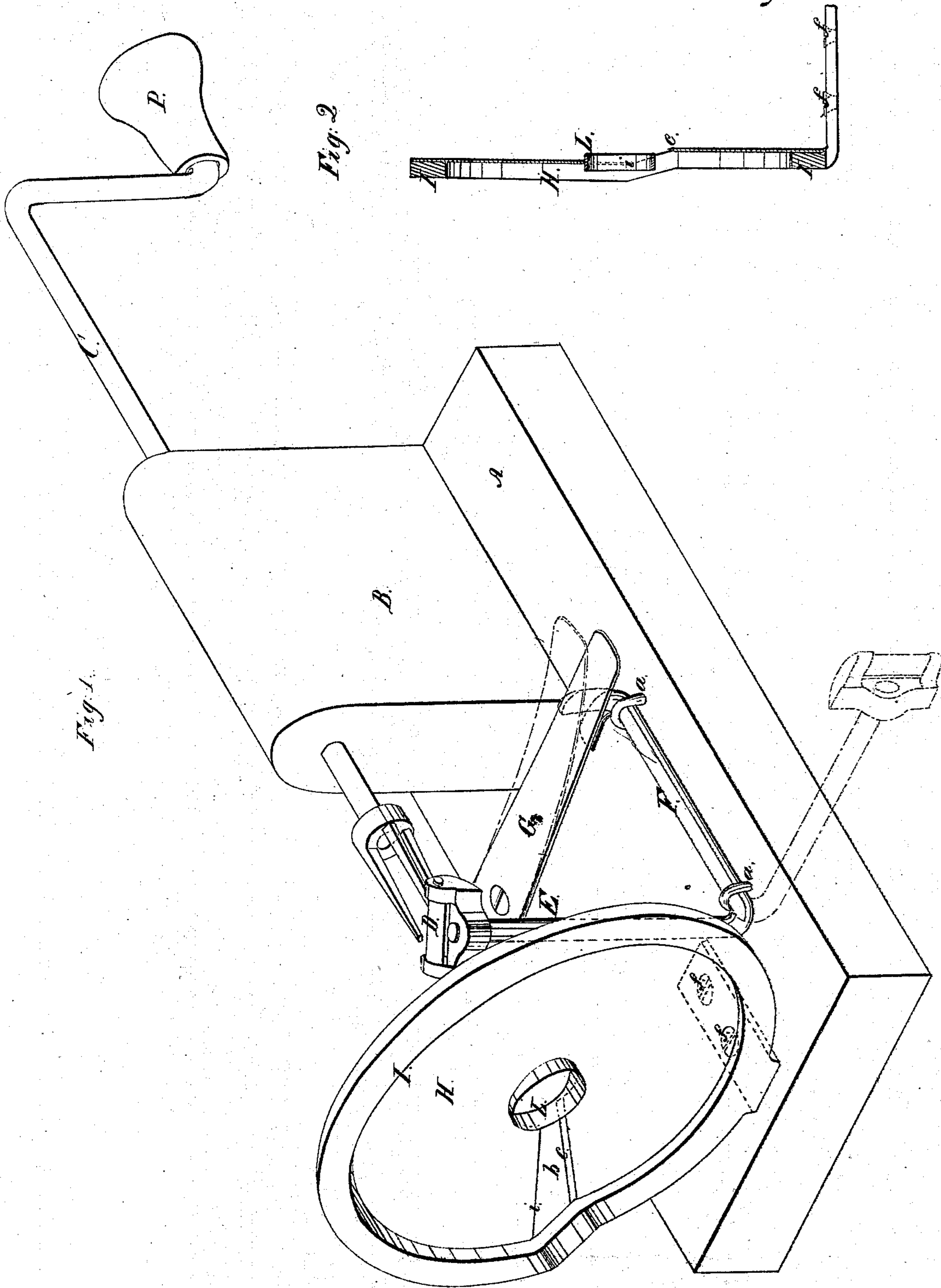


C. P. Carter,
Annie Parer,

N^o 15,603.

Patented Aug. 26, 1856



UNITED STATES PATENT OFFICE.

CHARLES P. CARTER, OF WARE, MASSACHUSETTS.

APPLE-PARER.

Specification of Letters Patent No. 15,603, dated August 26, 1856.

To all whom it may concern:

Be it known that I, CHAS. P. CARTER, of Ware, in the county of Hampshire and State of Massachusetts, have invented certain new and useful Improvements in Machines for Paring, Slicing, and Coring Apples, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1, is a perspective view of my parer; Fig. 2, a vertical section through the disk H, carrying ring I, and corer L.

The nature of my invention consists in making the paring knife, corer, and slicer, stationary, and in advancing the apple toward them as the operation proceeds, whereby the machine is greatly simplified and its efficiency increased.

In the said drawings, A, is the foundation block, to which the operating parts of the machine are secured; B, a standard in which works the shaft C, of the apple holder, the latter being pressed up to its work by the hand of the operator, as the paring proceeds.

D, is the paring knife, which swivels freely upon the arm E, rising from the horizontal rod F, that vibrates freely beneath the staples *a*. At the opposite end this rod is bent down beneath the spring G, by which means the knife is kept constantly in contact with the surface of the apple whether it be large or small. When it becomes necessary to move the knife out of the way, it may be thrown into the position seen in red in Fig. 1, in which position it is held by the spring G.

H, is a disk of tin or other suitable sheet metal, in the form of a deep screw thread, which is secured to a sustaining ring I. *b*, is an opening through this plate upon the lower edge of which is the slicing knife *c*. In the center of the plate or disk H, is the cylindrical cutter or corer L, by which the core is removed from the apple as the paring proceeds. The ring I, with the coring and slicing knives is secured to the block or board A, by means of screws *f*.

Operation: The handle being drawn back as seen in Fig. 1, the apple is placed upon

the holder, and is then forced up by pressure upon the handle P, until it comes in contact with the paring knife D; it is then rotated by turning the handle and at the same time pressed forward sufficiently to enable the paring knife to take off a uniform shaving of the required width. As soon as the forward end of the apple has been operated upon by the paring knife, it strikes against the corer and at the same time the slicing knife enters the fruit and cuts it from the center to the outer surface, dividing it into a long spiral slice, which passes as it is cut to the other side of the disk, the thickness of the slice being governed by the distance between the vertical planes passing through the point *i*, and the edge of the knife. The pitch of the screw thread or plate H, thus becomes the guide by which the thickness of the slice is gaged. For this purpose the disk becomes necessary whenever the fruit is advanced merely by the pressure of the hand. If however the apple be advanced positively and regularly toward the cutters by a screw thread upon its shaft, the disk may be dispensed with, the corer and slicing knife being carried by suitable supports. As the paring proceeds, the apple holder passes into and through the corer, and at the close of the operation, the apple having all passed through the opening *b*, is separated from its core as the latter is withdrawn back again through the disk. The core is then detached from the holder, and the machine is ready for the repetition of the same operation.

I claim—

The disk H, with its corer L, and slicing knife *c*, operating in the manner and for the purpose substantially as set forth, viz: the purpose of the said disk being to regulate the motion of the apple as herein described, by pressure of the hand, without the necessity of any other screw, it being understood that I do not claim merely the use of a slicing knife for slicing the apple into a spiral as that is not new.

CHAS. P. CARTER.

Witnesses:

SAM. COOPER,

P. E. TESCHEMACHER.