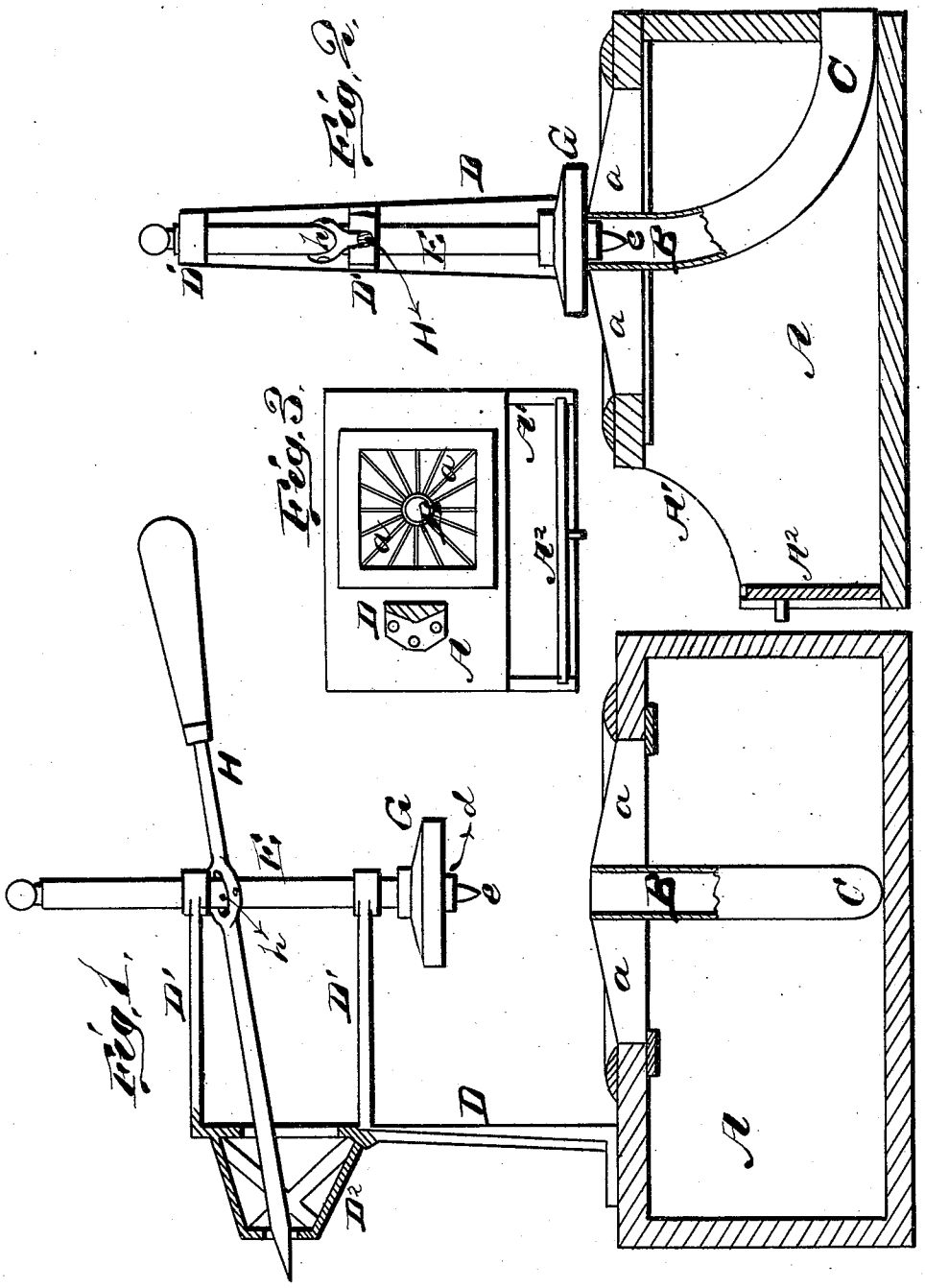
J. B. HOWARD.

VEGETABLE AND FRUIT SLICERS.

No. 193,959. Patented Aug. 7, 1877.



WITNESSES

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JEROME B. HOWARD, OF WOONSOCKET, RHODE ISLAND.

IMPROVEMENT IN VEGETABLE AND FRUIT SLICERS.

Specification forming part of Letters Patent No. **193,959**, dated August 7, 1877; application filed May 26, 1877.

To all whom it may concern:

Be it known that I, JEROME B. HOWARD, of Woonsocket, in the county of Providence and State of Rhode Island, have invented a new and valuable Improvement in Apple Corers and Slicers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical sectional view of my apple corer and slicer. Fig. 2 is a transverse vertical sectional view, and Fig. 3 is a horizontal sectional view of the same.

The nature of my invention consists in the construction and arrangement of a machine for coring and slicing apples, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents a box of any suitable dimensions, in the top of which is a square opening provided with a series of knives, *a a*, diverging radially or otherwise from a central tube, B. The upper edge of this tube is sharpened, and forms the corer, and its lower end is continued in an inclined or curved manner out at the back of the box A, forming the spout C. The inner edges of the knives *a* are even or flush with the edge of the corer B, while the edges of said knives are made slightly convex, so that their outer ends will be lower than the inner ends and the corer.

On top of the box A is secured a standard, D, provided with two parallel arms, D′ D′, extending over the corer, and the outer ends of said arms forming eyes or guides for the passage of a vertical rod, E, to the lower end of which the plunger G is secured. In the under face of this plunger is a central projection, *d*, of suitable size to enter the corer B, and from the center of said projection extends a pin or spur, *e*.

The plunger is operated by means of a lever, H, which is slotted at *h* for the rod E to pass through, and said rod pivoted in this slot. The inner end of the lever H is pointed and passed through a slotted frame, D^2, projecting from the standard D, between and in opposite direction from the arms D^1, the lever turning in said frame as its fulcrum, and yet moving sufficiently back and forth to admit of the plunger and its rod moving vertically up and down without binding in its guides.

When the plunger is raised, the apple, having been previously peeled, is placed on the knives and corer. The plunger then being brought down, the spur *e* first enters the apple to hold it steady, and as the plunger continues to descend it forces the apple down, which is then cored and sliced, the pieces falling down between the knives into the box, while the core goes down into the corer-tube B, and is pressed below the upper edge thereof by the projection *d* on the plunger.

When the next apple is cored and sliced in the same manner, the first core is forced down through the spout C and discharged at the back of the box.

The front of the box A is partially open, as at A^1, so as to see the amount in the box. The remainder of the front is formed of a slide, A^2, which is to be removed for emptying the box.

What I claim as new, and desire to secure by Letters Patent, is—

1. The box A, provided with the front opening A^1, slide A^2, and knives *a a*, having convex edges, in combination with the plunger G, having the projection *d* and spur *e*, corer B, and inclined spout, substantially as described, and for the purpose set forth.

2. The standard D, with arms D^1 D^1, and frame D^2, in combination with the plunger-rod E and lever H, substantially as and for the purposes herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JEROME B. HOWARD.

Witnesses:

GEORGE A. WILBUR,

F. L. HOWARD.