

N. B. GUNN & A. D. MENDENHALL.
Apple Corer and Cutter.

No. 215,605.

Patented May 20, 1879.

Fig. 1.

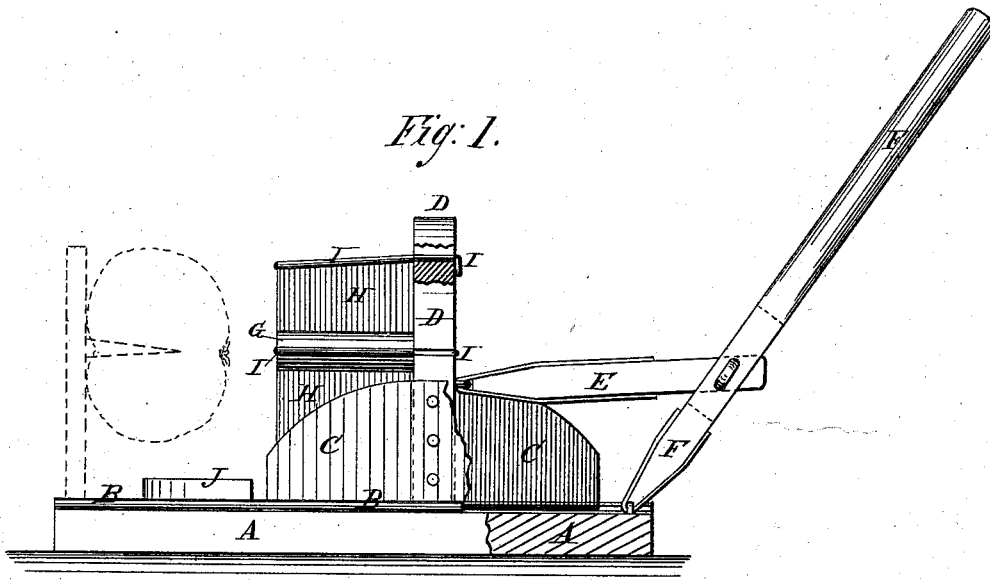


Fig. 2.

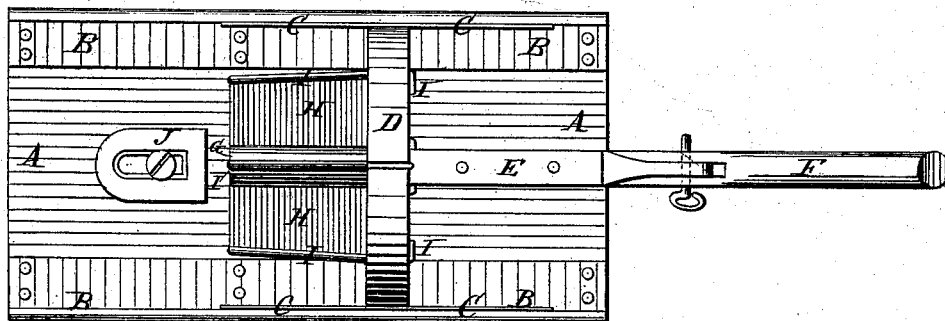
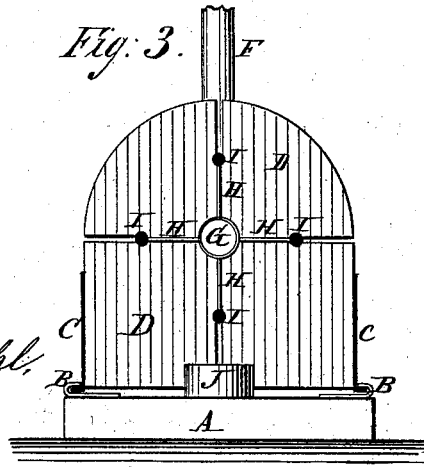


Fig. 3.



WITNESSES:

Achilles Schehl,
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INVENTOR:

N. B. Gunn
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BY

Munn & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

NELSON B. GUNN AND ALEXANDER D. MENDENHALL, OF ELWOOD, INDIANA.

IMPROVEMENT IN APPLE CORER AND CUTTER.

Specification forming part of Letters Patent No. **215,605**, dated May 20, 1879; application filed November 20, 1878.

To all whom it may concern:

Be it known that we, NELSON B. GUNN and ALEXANDER D. MENDENHALL, of Elwood, in the county of Madison and State of Indiana, have invented a new and useful Improvement in Apple Corer and Cutter, of which the following is a specification.

Figure 1 is a side view of our improved machine, part being broken away to show the construction. Fig. 2 is a top view of the same. Fig. 3 is a front view of the same.

Similar letters of reference indicate corresponding parts.

The invention consists in so attaching the coring-tube, with its radial knives, to the sliding board, provided with radial slots, by means of wires, that the said tube can readily be attached or detached.

A represents a board or plank, which may be the board or plank of an apple-peeler. To the upper side of the board A, along its side edges, are attached two strips, B, which may be made of sheet metal, having their outer edges bent upward and inward to form grooves, or of wood or metal, having their lower inner edges rabbeted to form grooves.

C are two plates, which have outwardly-projecting flanges upon their lower edges to fit into the grooves of the strips B. The plates C are attached at their middle parts to the ends of the cross-board D, the lower edge of which rests and slides upon the upper side of the base-board A, and is held in a vertical position by the guide-plates C.

To the rear side of the sliding board D, a little below its center, is hinged the forward end of a bar, E, the rear end of which is hinged to a lever, F, a little above its lower end. The lower end of the lever F is hinged to the upper middle part of the rear end of the base-board A.

In the middle part of the sliding board D is formed a hole to receive the rear end of the tube G, to the sides of which are attached, or upon them are formed, four or more radial knives or cutters, H. The rear edges of the cutters H rest against the forward side of the sliding board D, and in their outer edges are formed sockets to receive the wires I, which have heads upon their forward ends to pre-

vent them from drawing out. The rear ends of the wires I pass through radial slots in the sliding board D, and are bent over at right angles to rest against the rear side of the said sliding board D, and hold the tube G and the knives H in place.

The tube G and knives H are made of such a length as to operate upon apples of any size. The tube G must be made of such a size as the size of the cores of the apples to be operated upon may require. The tube G and cutters H may be detached and replaced by a larger or a smaller set by turning the bent rear ends of the wires I into line with the slots in the sliding board D. The tube G is slightly tapered from its rear end nearly to its forward end, and is then slightly flared, so that its smallest part may be at a little distance from its forward end. By this construction the core of the apple will be slightly compressed as it is forced into the tube G, so that the said core will be held with sufficient firmness to draw the apple from the fork of the peeler as the sliding board is drawn back, and to allow the pieces of apple to broken off. The core will be forced out through the rear end of the tube G by the entrance of the next core. The forward movement of the sliding board D is limited by a stop-block, J, secured to the board A by a screw, and which is slotted to receive the said screw, so that it may be adjusted as may be required. The stop-block J is designed to stop the knives at such a point as to leave so much of the apples uncut as will prevent the pieces from falling apart and dropping to the floor.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

An apple corer and cutter in which the tube G and its radial knives H are detachably secured to the slotted sliding board D by the rods I, substantially as shown and described, and for the purpose set forth.

NELSON B. GUNN.
ALEXANDER D. MENDENHALL.

Witnesses:

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