

W. Robb 2^d

Apple Parer.

No. 109454.

Patented Nov. 22. 1870.

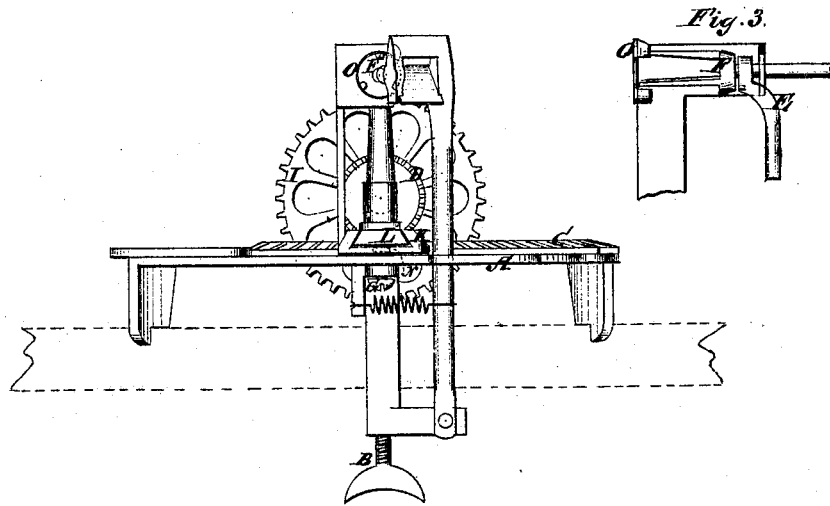
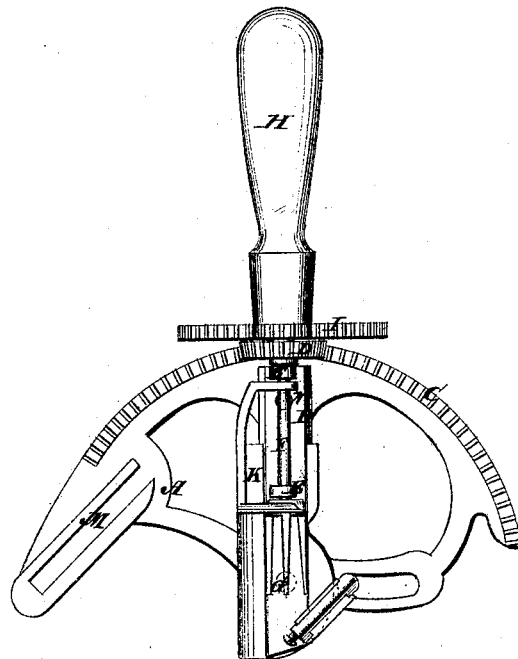


Fig. 2.



Witnesses:

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Inventor:

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PER

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United States Patent Office.

WILLIAM ROBB, 2ND, OF SOUTH STODDARD, NEW HAMPSHIRE.

Letters Patent No. 109,454, dated November 22, 1870.

IMPROVEMENT IN APPLE-PARING MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM ROBB, 2ND, of South Stoddard, in the county of Cheshire and State of New Hampshire, have invented a new and useful Improvement in Apple-paring Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in apple-paring machines; and

It consists in an improved arrangement of that class of machines in which motion is imparted to the apple-holding fork by moving the frame carrying it, and part of the driving-gear, around a central pivot and along the rim of a fixed segmental-toothed rim for discharging the apple, by sliding the fork back after the apple has been pared, and the toothed pinion worked by the toothed rack has passed beyond it, behind a stripper which arrests the rotary motion of the apple and detaches it from the fork, all as hereinafter described.

Figure 1 is a front elevation of my improved machine;

Figure 2 is a plan view of the same; and

Figure 3 is a detail view of the fork and stripping apparatus.

Similar letters of reference indicate corresponding parts.

A is the base-plate, for supporting the apparatus and attaching to the table by a clamp-screw, B, or other suitable means.

C is a segmental-toothed rack applied to the upper face of this plate, for imparting rotary motion to a pinion, D, mounted on a frame, E, supporting the fork F, and gearing with said rack, which frame is, pivoted at the axis G of the segmental-toothed rack to be moved over the said rack by the handle H, to impart the rotary motion to the fork, said pinion having a large wheel, I, attached to it, and gearing with the pinion on the fork.

My improvement consists in making the base of the fork-carrying frame in two parts, K, L, the one to slide back and forth on the other, and in providing the

groove M on plate A, and the stud-pin N on the part L, or, it may be, other equivalent devices for causing the said movement; also, in providing the stripper O for discharging the apple from the fork when the latter is moved back from the axis G.

The groove M is arranged on the plate A so as to receive the pin N at the time the pinion D arrives at the end of rack C, and it is placed tangential to the circular line described by this stud-pin, so that, if the fork-supporting frame is continued in movement, it will be diverted from the circular course and proceed in the said tangential line, the part L of the base sliding back in the part K. This will cause the fork to move back through the stripper O, which, being supported on the part K of the base, will continue in the circular course, and strip the apple from the fork, first stopping the rotation of it by the frictional contact with the stripper.

When the return movement of the frame around the axis G to the place of beginning takes place, the stud-pin N, acting on the wall of the groove, thrusts the fork forward again, ready for receiving another apple.

Instead of the groove M and stud-pin for causing the back-and-forth movement of the fork-frame, a single rib, rising up from the bed-plate, may engage a notch in the lower side of part L, and will accomplish the same result.

Having thus described my invention,

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

1. The combination with the fork of the stripper O, the fork-frame being arranged to recede from the axis G during the continuation of the motion around said axis after the driving-pinion D passes beyond the end of the segmental rack, all substantially as specified.

2. The arrangement of the base of the fork-frame in two parts, K, L, and the latter to slide on the former, and being actuated by stud-pin N and the walls of groove M on plate A, all substantially as specified.

WILLIAM ROBB, 2ND.

Witnesses:

OSCAR T. GILSON,
WINSLOW P. ATWOOD.