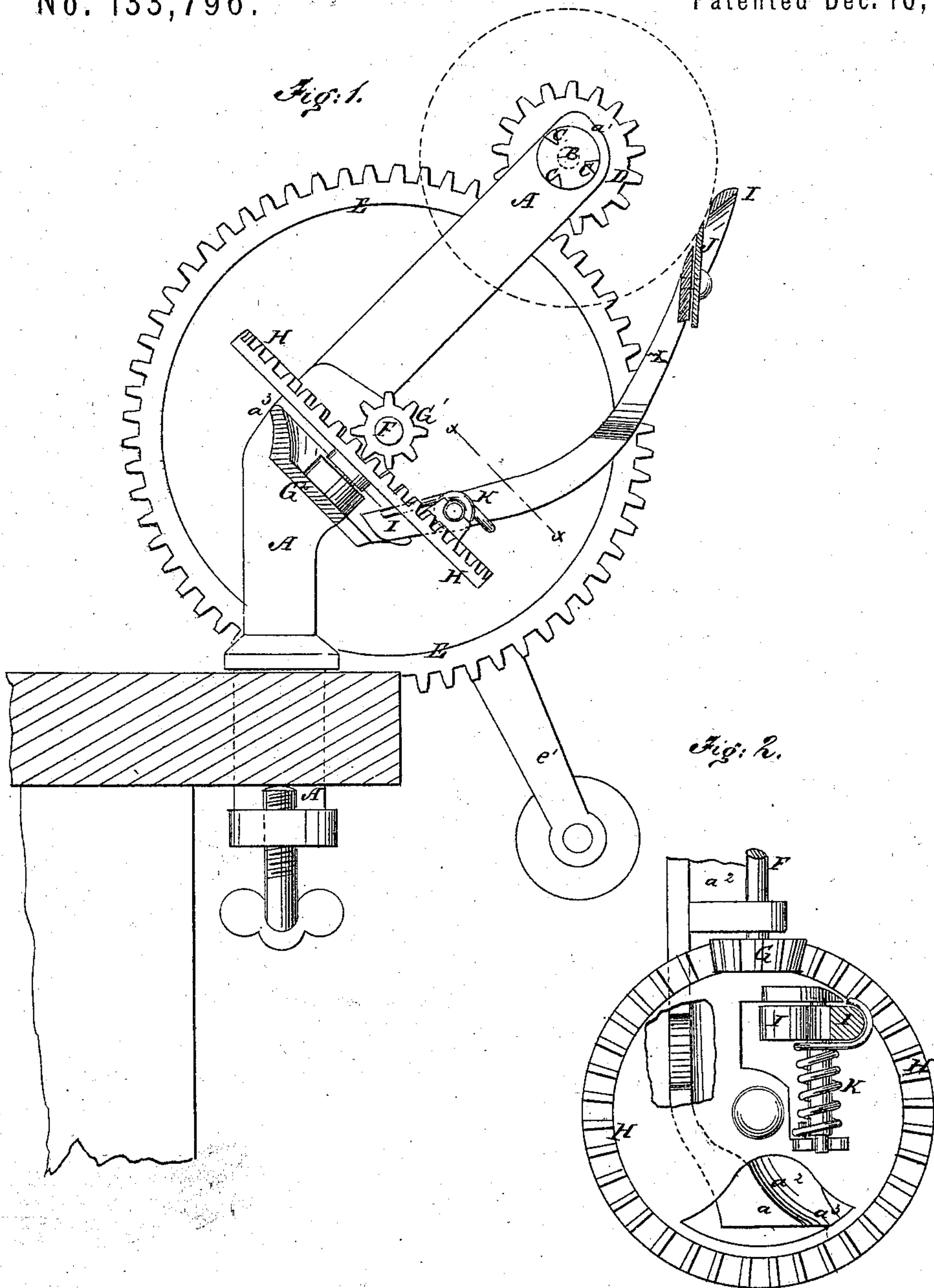


W. A. C. OAKS.  
Apple-Parers.

No. 133,796.

Patented Dec. 10, 1872.



Witnesses:

Chas. Nida  
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# UNITED STATES PATENT OFFICE.

WILLIAM A. C. OAKS, OF READING, PENNSYLVANIA.

## IMPROVEMENT IN APPLE-PARERS.

Specification forming part of Letters Patent No. **133,796**, dated December 10, 1872.

*To all whom it may concern:*

Be it known that I, WILLIAM A. C. OAKS, of Reading, in the county of Berks and State of Pennsylvania, have invented a new and useful Improvement in Apple-Parer, of which the following is a specification:

Figure 1 is a side view of my improved apple-parer, parts being broken away to show the construction. Fig. 2 is a top view of a portion of the same, partly in section, through the line  $x\ x$ , Fig. 1, and parts being broken away.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved apple-parer, which shall be so constructed that the parings will fall clear of the working mechanism of the parer, so that they may all be received in a vessel set beneath, and cannot clog the machine; and which shall, at the same time, be simple in construction, convenient in use, effective in operation, and not liable to get out of order; and it consists in the standard or frame made with a bend or angle to throw the upper part of said standard, that carries the fork, forward to allow the parings to drop clear of the operating mechanism of the parer; and in the combination of the bent standard, provided with arms and a guide-flange, the fork, its shaft and gear-wheel, the crank gear-wheel, its shaft and gear-wheel, the gear-wheel that carries the knife-arm, the knife-arm and its spring, with each other, as herein-after fully described.

A is the standard or frame, which is provided with a flange and clamping-screw for convenience in securing it firmly to a table top or other support while being used. The standard A is made with a bend or angle, as shown in Fig. 1, so as to throw the upper end of said standard so far forward that the apple-parings, in their natural descent, will fall clear of the working mechanism of the parer. Upon the upper end of the standard A is formed an inwardly-projecting arm,  $a^1$ , in which is formed the inner bearing for the shaft B, upon the inner end of which

is formed the fork C to receive the apple to be pared. The outer part of the shaft B works in bearings in the upper end of the standard A; and to its outer end is attached a small gear-wheel, D, the teeth of which mesh into the teeth of the large gear-wheel E, upon which is formed, or to which is attached, the crank  $e'$ , by which the parer is operated. The wheel E is attached to the short shaft F, which revolves in bearings in the standard A just above its bend or angle and in the arm  $a^2$  formed upon said standard at its bend or angle. To the inner end of the shaft F is attached a small gear-wheel, G, slightly beveled, and the teeth of which mesh into the teeth formed upon the upper side of the edge of the wheel H; which revolves upon a gudgeon or journal attached to the arm  $a^1$ . To the wheel H, near its edge, is pivoted an arm, I, in the upper end of which is formed a seat for the knife J. The lower end of the arm I projects below the wheel H through a slot or opening in said wheel, so as to come in contact with a flange or way,  $a^3$ , formed upon the upper side of the end of the arm  $a^2$ . The arm I is held forward to its work by a coiled spring, K, connected with it, and connected with the wheel H, so that the said knife-arm may adjust itself to the size of the apple to be pared.

The knife begins to work close to the shank of the fork, and moves forward as the apple is revolved.

When the knife comes into a position opposite the fork, and has thus completed the paring, the lower end of the arm I strikes the guide-flange  $a^3$ , which throws the upper or knife end of the arm I back from the apple, and holds it back until the said arm has passed beneath the shaft B and has come to the place of beginning, thus allowing time for the pared apple to be removed and an unpared apple to be placed upon the fork.

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

1. The standard or frame A, made with a bend or angle to throw the upper part that carries the fork forward to allow the parings to drop clear of the operating mechanism of the parer, substantially as herein shown and described.

2. The combination of the bent standard A, provided with arms  $a^1$   $a^2$  and guide-flange  $a^3$ , shaft B, fork C, gear-wheel D, crank

gear-wheel E  $e^1$ , shaft F, gear-wheels G H, pivoted knife-arm I J, and spring K, with each other, substantially as herein shown and described, and for the purposes set forth.

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Witnesses:

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