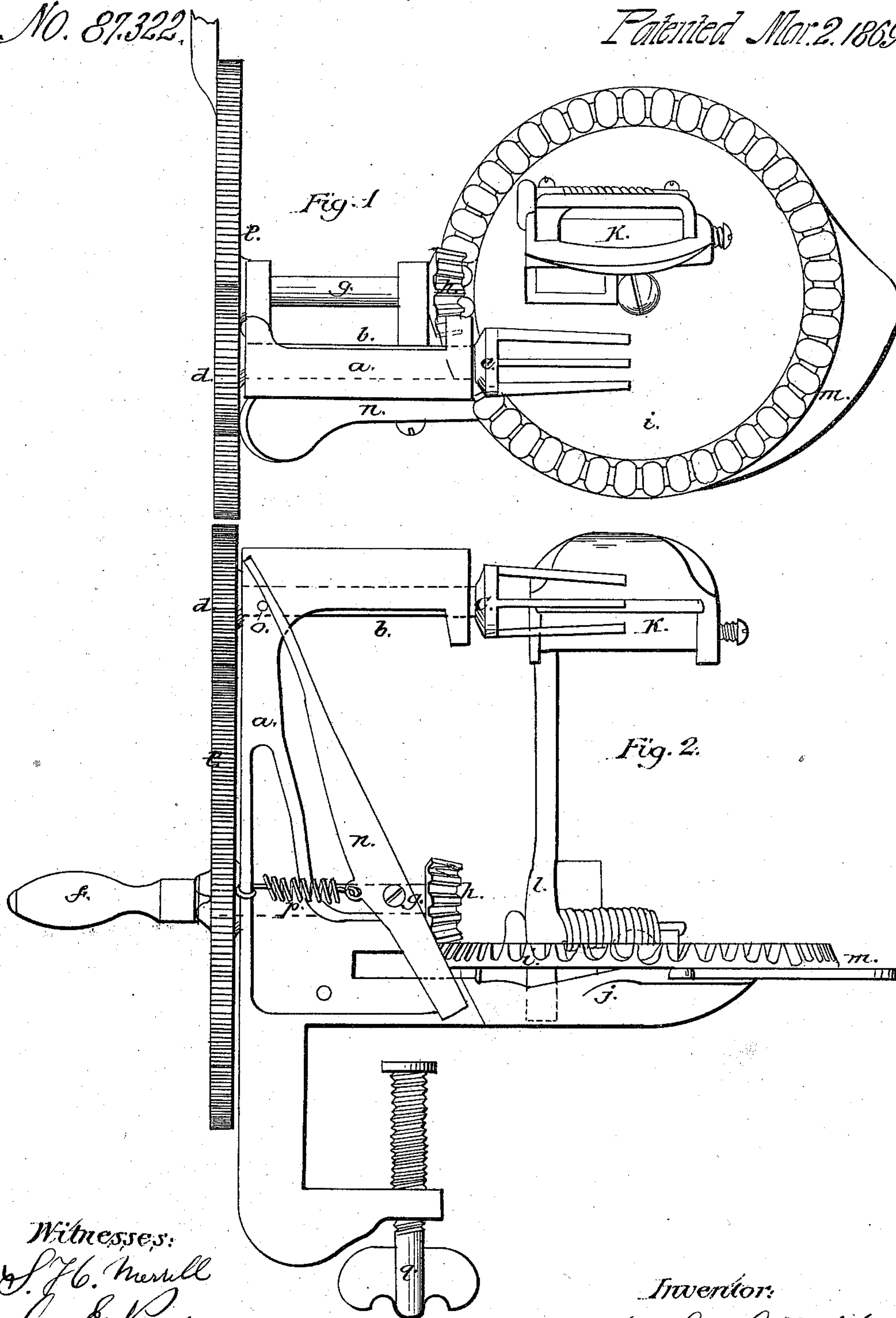


A. G. Batchelder,

Apple Paver.

No. 87322.

Patented Mar. 2. 1869.



Witnesses:
S. H. Merrill
Geo. E. Perry

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ASAHEL G. BATCHELDER, OF LOWELL, MASSACHUSETTS.

Letters Patent No. 87,322, dated March 2, 1869.

IMPROVEMENT IN APPLE-PARERS.

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, ASAHEL G. BATCHELDER, of Lowell, in the county of Middlesex, and State of Massachusetts, have invented new and useful Improvements in Apple-Parers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a suitable device for apple-parers, whereby, after the apple has been pared, it will remove the same from the fork, superseding the necessity of removing the same by hand.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents a plan of a common apple-parer, with my improvements attached.

Figure 2 represents a side elevation of the same.

Similar letters in the different figures indicate corresponding parts.

The apple-parers to which my improvements may be attached, are constructed in various forms, shapes, and sizes, and operated in different ways, to suit the convenience of the user.

As represented in the drawings, it is constructed with a suitable frame, *a*, which is provided at its top with the required bearings for the reception of the shaft *b*, on one end of which is secured the fork *c*, the other end being provided with a pinion-gear, *d*, which gears into the driving-gear *e*, from which motion is given to the same, as required, this driving-gear *e* being provided with a handle, *f*, and is secured to the shaft *g*, which operates in bearings formed in and located near the centre of the frame or stand *a*.

Secured to the shaft *g*, at the opposite end from the driving-gear *e*, is the driven gear *h*, which gears into the table-gear *i*, this gear *i* being provided with a suitable stud, which forms a bearing for the same, and is secured to the arm *j*, formed on the frame *a*, this arm *j*, on its under side, being supplied with a suitable cam, which guides the knife *k*, by its operating the end of the lever *l*, as desired, this lever *l* being provided with a stud, which operates in bearings, formed and secured to the top of the table-gear *i*.

Attached and secured to the outside of the table-gear *i* is a suitable cam or projection, *m*.

n is what I term a lever, pivoted near its bottom to the side of the frame or stand *a*, of the desired length and shape, its top resting against the pin *o* when not

required to be used, and supplied with a spring, *p*, if desired.

The bottom part of the frame *a* is so constructed as to form a bearing, through which passes a thumb-screw and follower, *q*, which supplies the user with a convenient device for securing the same to the table, as he requires, when in use.

Operation.

The apple-parer, being thus constructed and secured to the table, by aid of the thumb-screw and follower *q*, is then ready for use, the fork *c*, being provided with an apple, the operator then, by aid of the handle *f*, revolves the driving-gear *e*, which gives motion to the different parts of the machine, causing the apple to revolve, and, at the same time, the table-gear *i*, to which is secured the lever *l*, with its knife *k*, to revolve, the knife *k* cutting the skin from the apple, commencing at the centre of the same, and continuing to pare, travelling over its entire periphery until past the centre, from the opposite side from whence it started; then, by aid of the cam on the arm *j*, the lever *l* is thrown back. The cam *m*, which is secured to the table-gear *i*, then comes in contact with the lever *n*, which carries the top of the same forward against the apple previously pared, more and more, until it is removed from the fork *c*, when the lever *n* resumes its former position, by aid of the spring *p*, or its equivalent device. Another apple is then placed on the fork *c*, in season for the knife *k* to operate upon when it gets in its required position.

The operator keeps the machine in motion, and supplies it with apples as the machine demands.

Thus, it will be seen, with my improvement attached to apple-parers, it greatly facilitates the paring, and supersedes the necessity of removing the apples by hand, being cheap in its construction, simple, durable, and convenient.

I do not claim the apple-parer, nor any device for paring apples, as such have been patented and long in use; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The lever *n* and cam or projection *m*, when arranged to operate substantially as herein described and set forth.

ASAHEL G. BATCHELDER.

Witnesses:

S. H. MERRILL,
GEO. E. PEVEY