E. L. SCHANCK.

Apple-Parer.

No. 163,813. Patented May 25, 1875.

Fig. 1.

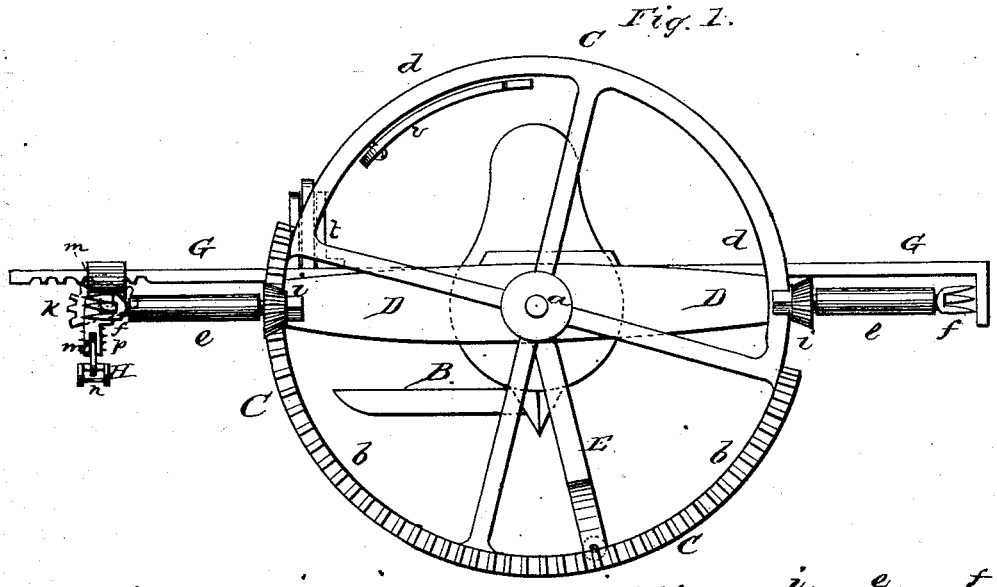
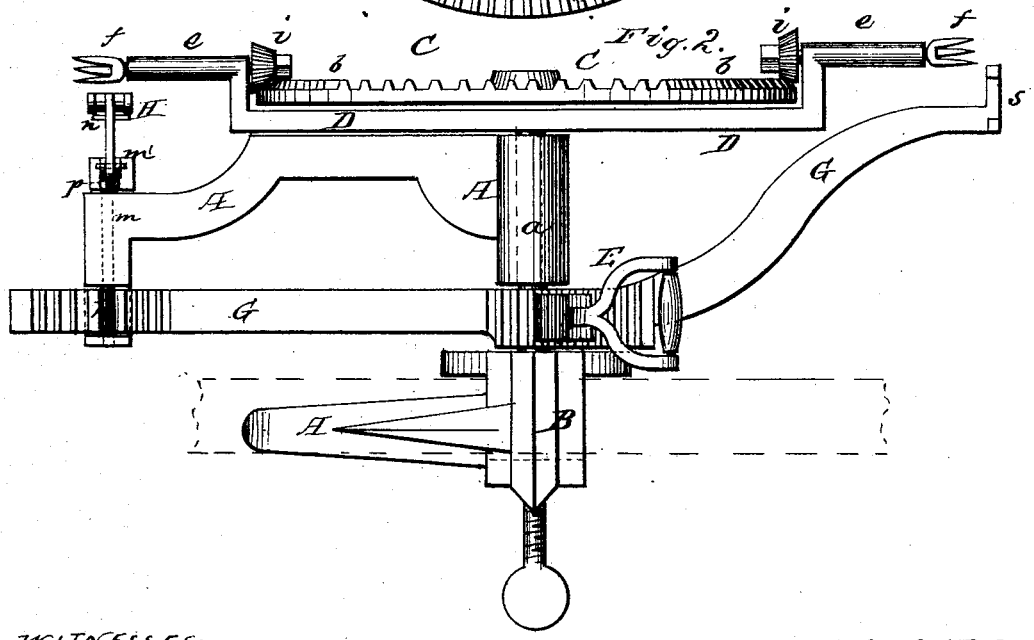


Fig. 2.



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EPHRAIM L. SCHANCK, OF PLEASANT MOUNT, MISSOURI.

IMPROVEMENT IN APPLE-PARERS.

Specification forming part of Letters Patent No. **163,813**, dated May 25, 1875; application filed April 22, 1875.

To all whom it may concern:

Be it known that I, EPHRAIM L. SCHANCK, of Pleasant Mount, in the county of Miller and State of Missouri, have invented certain new and useful Improvements in Apple-Parers; 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 which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of an apple-parer, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a plan view, and Fig. 2 is a side elevation, of my invention.

A represents a suitable frame, provided with a clamp, B, for fastening the same to the edge of a table. Through the frame A passes a vertical shaft, *a*, having a wheel, C, secured on its upper end. The rim of this wheel is in two parts, *b* and *d*, each being semicircular, and one of a trifle larger diameter than the other. The larger part *b* is provided with beveled cogs on its upper surface. Under the wheel C, on the shaft *a*, is loosely placed a bar, D, having an upward-projecting lug at each end, with a horizontal tubular bearing, *e*, formed therein, through which passes a shaft provided with a fork, *f*, at the outer end, and a pinion, *i*, at the inner end, said pinion to gear with the cogged part *b* of the wheel.

On the lower end of the shaft *a* is secured a lever, E, having a cogged segment, *h*, on its inner end, which meshes with a cogged portion of a sliding bar, G, the left end of which passes through a loop formed in the frame A. At this end is another cogged portion of the bar G, which meshes with a cogged segment, *k*, on the lower end of a shaft that passes through this end of the frame A. On the upper end of this shaft *m* is a block or head, *m'*, to which an arm or lever, H, is pivoted, the upper end of said arm carrying the knife *n*, and the lower end being operated upon by a spring, *p*.

The right end of the sliding bar G is curved upward, and formed with a fork, *s*, at its extreme end, in the same horizontal plane as the forks *f f*.

The operation of the machine is as follows: The lever E, being thrown to the right, brings the cogged part *b* of the wheel C in front, the slide G thrown to the left, and the bar D in such a position that the fork *f* on the right is within the fork *s* on the slide. The apple to be pared is now placed on the left fork, and the lever E turned to the left. This revolves the wheel C one-half of a revolution, rotating the left fork with the apple thereon rapidly by means of the cogged semicircle *b* and pinion *i*. At the same time the slide G is moved to the right, and, by means of the segment *k*, the paring-knife *n* obtains the required motion to pare the apple.

The bar D is, during this operation, held from rotating with the wheel by a latch, *t*, on the frame.

The lever E is now thrown back to the right, returning the wheel and slide to their former positions; but a latch, *v*, attached to the weel causes the bar D to revolve with it, so as to bring the empty fork *f* to the left, and the fork with the pared apple thereon to the right, and the fork *s* of the slide G gets behind the pared apple.

Another apple being now placed on the left fork it is pared, as before, the fork *s* at the same time stripping the first-pared apple off of the fork.

The object of the plain parts of the wheel C and the triangular hubs on the pinions is to keep the pinions in such position while out of mesh, that they will come in mesh again without fail.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the wheel C, having cogged semicircle *b*, the bar D, with tubular bearings *e*, fork *f*, and pinions *i*, as and for the purpose set forth.

2. The combination, with the wheel C and

bar D, of the latches *t* and *v*, substantially as and for the purposes herein set forth.

3. The cogged slide G, operated by lever E and segment *h*, in combination with the segment *k* and vertical shaft *m*, provided with knife-paring lever H, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

EPHRAIM L. SCHANCK.

Witnesses:

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