

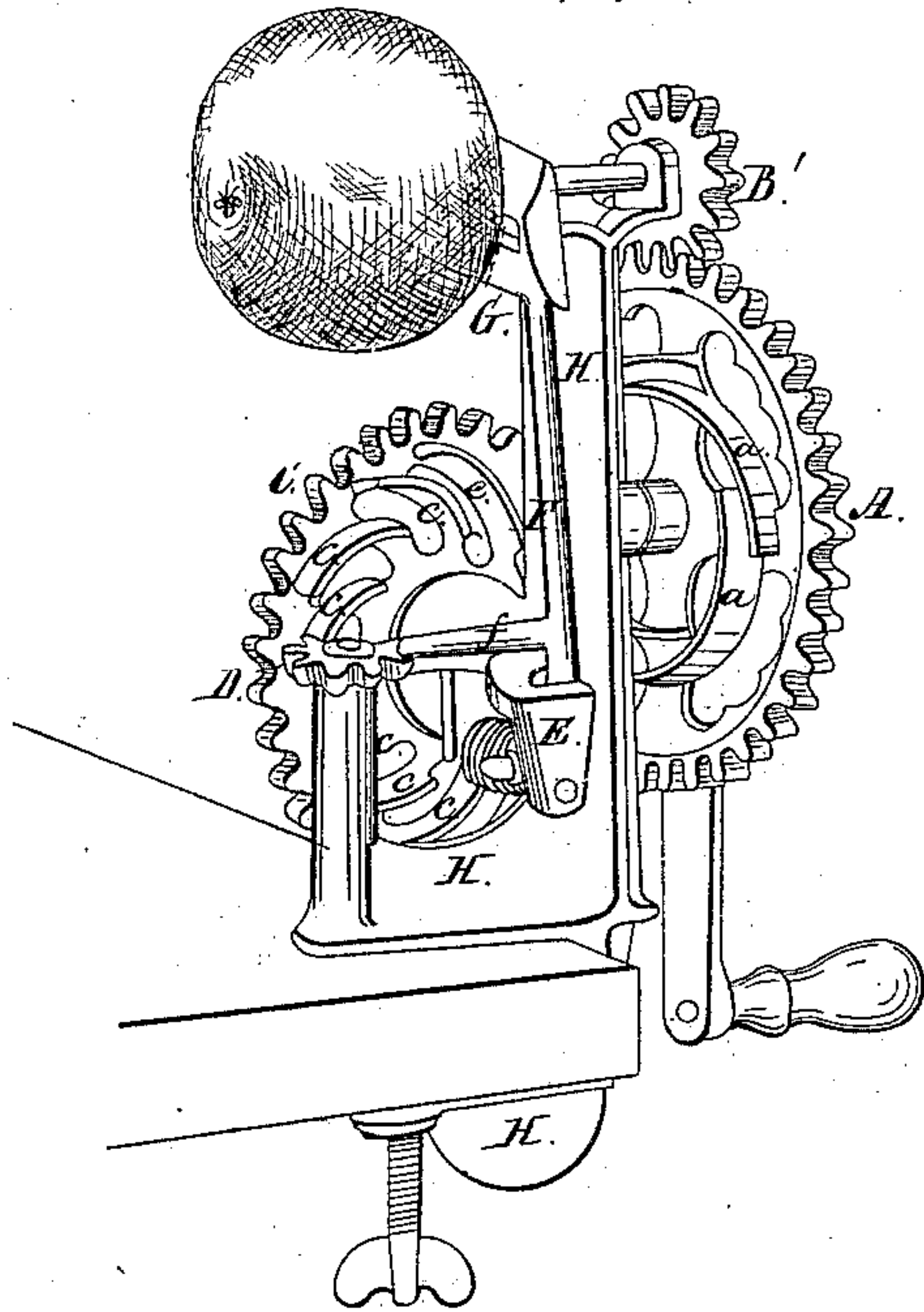
*D. H. Whittemore,*

*Apple Parer,*

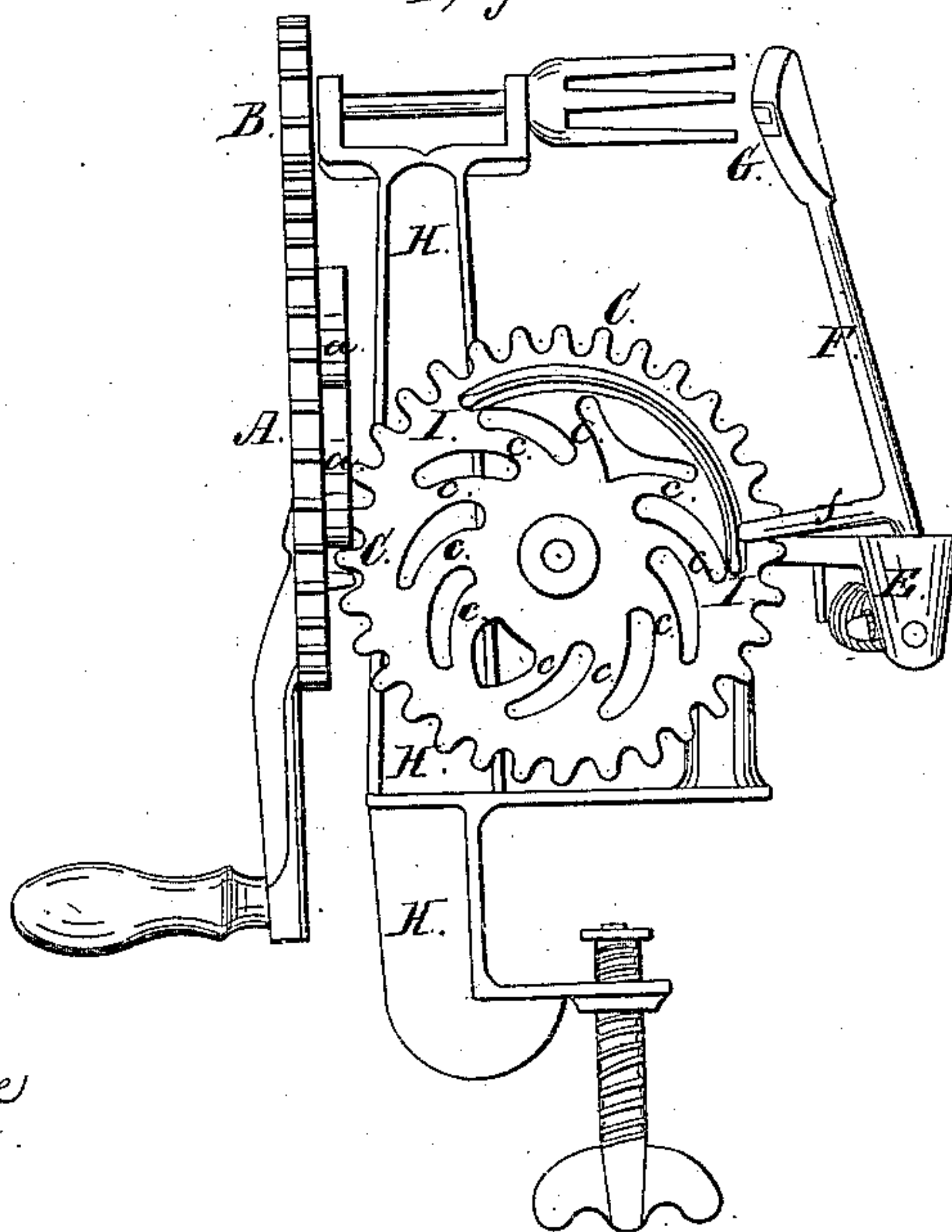
*No. 59,884,*

*Patented Nov. 20, 1866.*

*Fig: 1.*



*Fig: 2.*



*Witnesses:*

*H. S. Whittemore*  
*Wm. J. Green*

*Inventor:*

*D. H. Whittemore*

# United States Patent Office.

## IMPROVED APPLE PARER.

D. H. WHITTEMORE, OF WORCESTER, MASSACHUSETTS.

*Letters Patent No. 59,884, dated November 20, 1866; antedated November 11, 1866.*

### SPECIFICATION.

#### TO ALL WHOM IT MAY CONCERN:

Be it known that I, D. H. WHITTEMORE, of Worcester, in the county of Worcester, and State of Massachusetts, have invented a new and improved Machine for Paring Apples and other fruit, and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it.

In fig. 1, A is the driving-wheel or gear. B is the small gear or pinion which serves to give motion to the apple upon the opposite end of the arbor to which the gear is attached. C is the intermediate gear which connects the driving gear, A, to the segment of a gear, D. D is a segment of a gear which, with its part, E, serves to hold and give motion to the knife-stem, F, and knife, G, around the apple. H H H is the stand or frame to which the gears and other parts are attached.

Figure 1 is a front perspective view, and

Figure 2 is a back plan view of the machine.

The same letters in the two figures refer to the same parts.

The driving gear, A, has upon the inside what may be called a series of four cams, *a a*, which work in and through the teeth upon the gear, C, giving it a slow motion. This connection may be seen more fully in fig. 2, at C'. The intermediate gear, C, has also a series of cams, *c c*, &c., similar to those on the driving gear A, and which serve to give motion to the segment of a gear, *d*, but are so arranged, by their course being changed at each of the opposite sides, that one half of these cams, *c c*, &c., give the segment gear (with the paring knife attached) motion one way around the apple, while the other half carries it back to the place of starting. The peculiar course of these cams is shown more plainly by the back view of this gear (C) in fig. 2.

In fig. 2 the knife-stem, F, is represented as having been turned around the outer end of the fork or apple, showing by what means the knife-stem is tipped back out of the way, so as to allow of the easy removal of the apple when the knife is at that end. This is done by the point of *f*, which is a part of the stem, F, striking the projection or rib, I I, upon the back of the gear C, which, as will be seen, runs about one third of the way around it, and which serves to keep the knife from the apple until it reaches the proper place for it to come down upon it to pare in its return motion. In paring an apple with this machine I usually commence the first apple when the knife is in position as seen in fig. 1, and when it has finished it at the opposite end it tips back, as just described, for the removal of the pared apple, and for the placing upon the fork a new one; when, in turning again, the knife comes back and down upon the apple, paring another on its return. The knife-stem, F, is attached at the bottom in the usual manner with spring, &c. The gears A and C, and the segment of a gear, D, all turn upon wrought-iron pins cast in the stand H, and this allows of the dispensing of the arbors usually used to connect them, and which have always been liable to work loose and turn around without moving the parts; but by this method of connecting all the gears directly together it makes all the motions positive and substantial. By means of the knife paring back and forward I save about one half of the time necessary when turning clear round, and I also overcome the objection to the "snap machines."

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

1. The cams *c c*, upon the face of the gear C, for the purpose of giving and reversing the motion of the paring knife, substantially as described.

2. I claim the projection or rib I I, upon the gear C, for the purpose of tipping the knife back from the apple to admit of the easy removal of the apple from the fork and replacing of another, as described.

D. H. WHITTEMORE.

Witnesses:

H. S. WHITTEMORE,

WM. S. GRAY.