

G. W. Bennett,

Apple Parer.

No. 103284.

Patented May 24, 1870.

Fig. 1

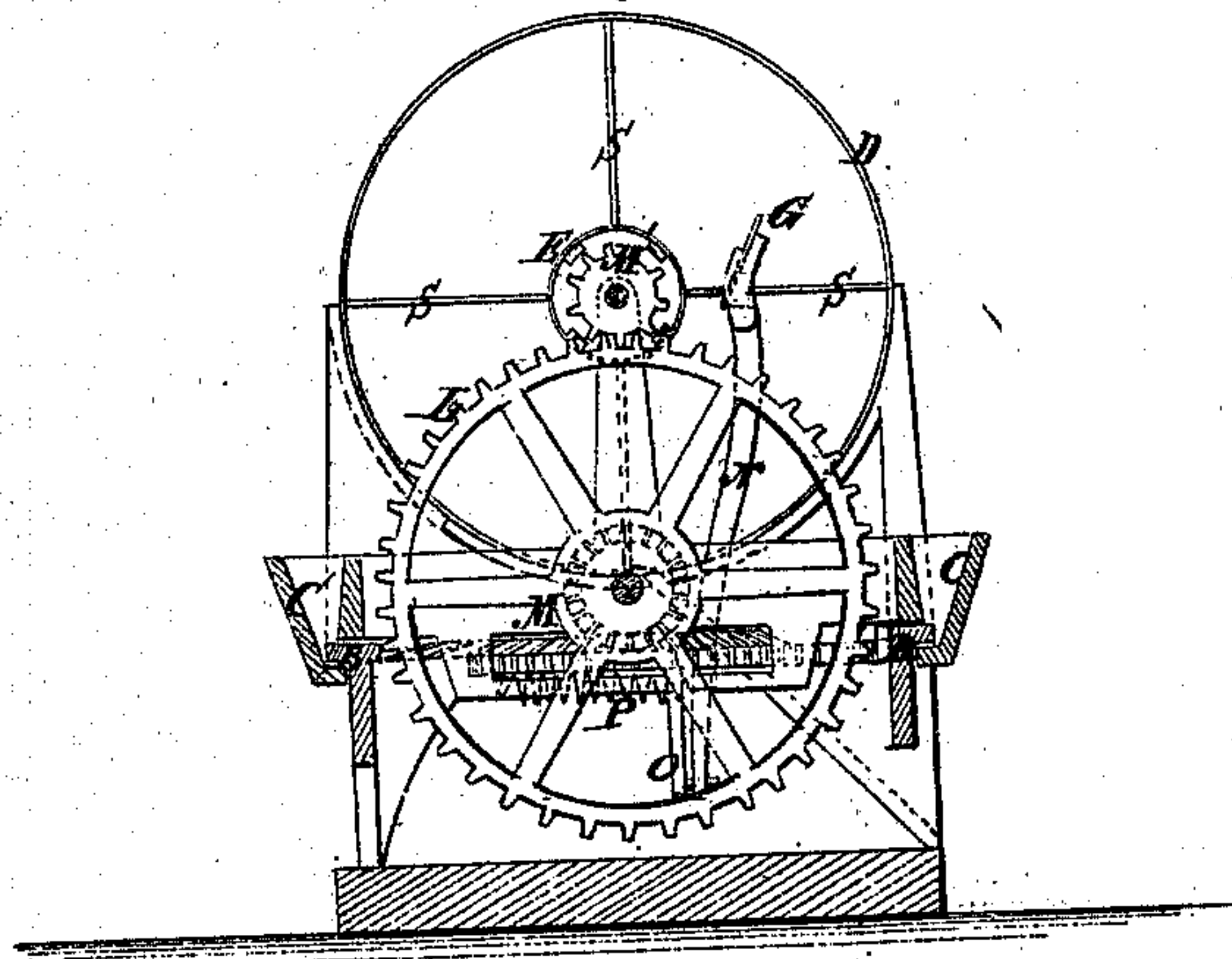
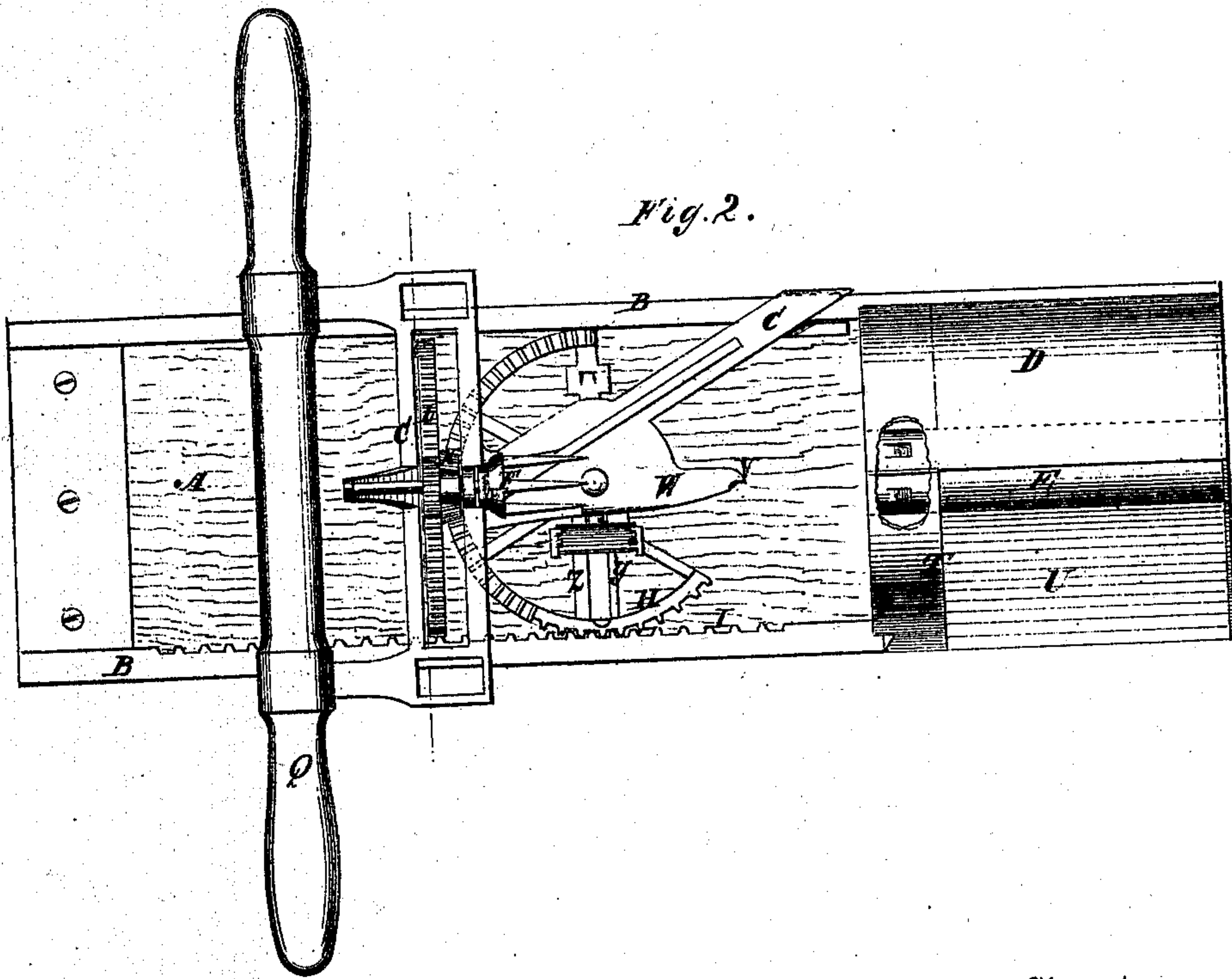


Fig. 2.



Witnesses:

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# United States Patent Office.

GEORGE W. BENNETT, OF HARRODSBURG, INDIANA.

*Letters Patent No. 103,284, dated May 24, 1870.*

## IMPROVED APPLE-PARER, CUTTER, AND CORER.

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, GEORGE W. BENNETT, of Harrodsburg, in the county of Monroe and State of Indiana, have invented a new and improved Apple-parer, Coring, and Quartering-Machine; and I do hereby declare that the following is a full and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in machines for paring, quartering, and coring apples; and consists in an arrangement on a sliding carriage of the apple-holding and revolving spindle, the knife, and the driving mechanism, the latter gearing with a toothed rack on the ways upon which the carriage moves, for imparting motion to the spindle and the knife for paring, while the apple is carried to coring and quartering-cylinders, into which it is forced after it has been pared, and the rotary motion of the spindle has stopped.

From the quartering and coring-cylinders the quarters are delivered laterally into a receptacle, and the cores are forced through the small cylinder and out at the end.

Figure 1 is a transverse sectional elevation of my improved machine, and

Figure 2 is a plan view of the same.

A is the bed-plate, and B the ways thereon for the carriage C to slide on back and forth to and from the quartering-cylinder D and the coring-cylinder E.

The apple-holding and revolving spindle F and the knife G are mounted on this carriage, also the driving-gear for the knife and spindle, consisting of the segmental spur and bevel-wheel H, gearing with the rack I on one of the ways B, the bevel-pinion K, the multiplying-wheel L, the pinion M attached to it, and the pinion M' on the spindle.

The knife is of the usual construction, and mounted on the arm N, pivoted at the lower end, at O, to a bracket projecting downward from the carriage, and, rising up between the arms *yz* of wheel H, is held up against the apple on the spindle by the spring P, and moved around the apple by the said wheel H.

Q is a handle attached to the carriage for applying the hands for moving it back and forth.

The quartering and coring-cylinders are attached to

the other end of the bed, and arranged with their axes on the axis of the spindle, the coring-cylinder being of the right size to cut the core out of the center of the apple when forced into it, and the quartering-cylinder is large enough to take in the largest apple.

The said quartering-cylinder is provided with four radial cutters, S, at the end which receives the apple, by which it is quartered, and an opening is made in the side of the cylinder at T, with a chute, U, upon which the quarters fall, to be delivered to a receptacle below, while the cores are forced out of the cylinder E at the opposite end.

When the carriage is drawn back for the application of the apple, the wheel H will be so placed that the arm N of the cutter may be held in the notch *v* of the projecting plate W, and the notch X of the rim of the wheel away from and opposite to the points of the spindle, in the line of the axis thereof, to admit of applying the apple readily, and so that, immediately on shoving the carriage forward, the cutter will be forced up against the end of the apple, and then be moved slowly toward the heel of the spindle, as the apple revolves rapidly, by the wheel H, between the two arms *yz*, between which the arm N rises for the purpose.

The wheel H passes out of gear with the rack before the apple arrives at the cylinders, and the rotation of the apple stops.

Having thus described my invention,

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

1. The combination of the sliding carriage, provided with a pushing-handle, Q, the segmental wheel H, the toothed stationary rack I, the spindle F, gear-wheel L, and pinion M', all arranged to operate as shown and described.

2. In combination with the elements of the above claim, the knife-arm N, working in a slot of the segmental wheel H, as shown and described.

The above specification of my invention signed by me this 3d day of March, 1870.

GEORGE W. BENNETT.

Witnesses:

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L. S. FIELD.