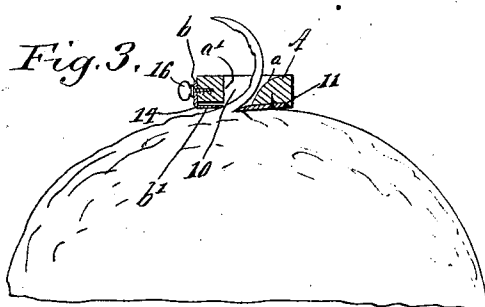
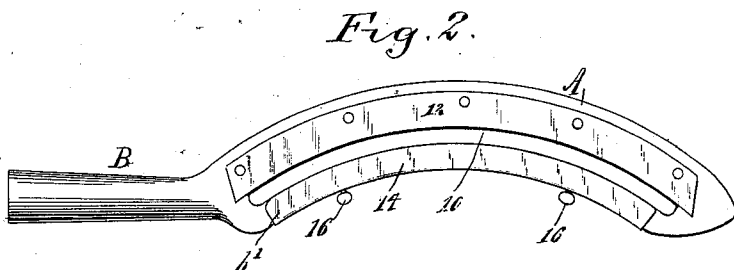
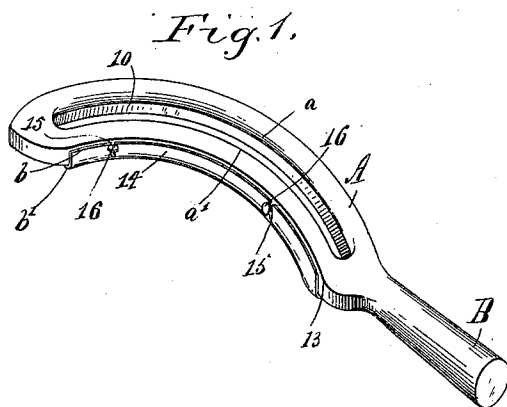


(No Model.)

J. H. GROOTERS.
PARING KNIFE.

No. 565,348.

Patented Aug. 4, 1896.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN H. GROOTERS, OF BOYDEN, IOWA.

PARING-KNIFE.

SPECIFICATION forming part of Letters Patent No. 565,348, dated August 4, 1896.

Application filed May 6, 1896. Serial No. 590,443. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. GROOTERS, of Boyden, in the county of Sioux and State of Iowa, have invented a new and useful Improvement in Paring-Knives, of which the following is a full, clear, and exact description.

My invention relates to an improvement in knives especially adapted for paring fruit, vegetables, and like articles; and the object of the invention is to provide a knife of exceedingly simple, durable, and economic construction, and to so locate the blade and guide device that the knife may be expeditiously and conveniently adjusted to pare a thick or a thin strip from the material upon which the knife is brought to bear.

A further object of the invention is to construct a paring-knife capable of being readily cleaned, and which may be manipulated by a child as effectually as by an adult.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved knife. Fig. 2 is a bottom plan view of the same, and Fig. 3 is a transverse section illustrating the knife in operation.

The knife comprises a body A and a shank or handle B. These two parts may be attached one to the other, or may be made integral. The shank or handle B may be of any desired shape and of any length, while the body A is of segmental form, being curved to a greater or a less extent. A longitudinal slot or opening 10 is made in the body, following the contour thereof, and the rear or back wall *a* of this slot or opening is inclined downwardly and inwardly, while the inner or front wall *a'* is more or less straight, as is shown in Fig. 3, and the front portion of the knife-body is of less thickness than the rear portion, although the upper surfaces of both the front and the rear portions are practically flush.

In the bottom of the rear portion of the knife-body a countersink or a recess 11 is longitudinally made, following the curvature of

the slot 10 and extending slightly beyond the ends of the said slot, and in this recess or countersink a blade 12 is secured by means of rivets or their equivalents, which blade is of the same shape as the slot 10 and extends a predetermined distance beyond the rear wall *a'* of the said slot. The blade is so placed in the body that its under face will be flush with the under face of the rear portion of the said body, as shown in Fig. 3, but the blade may be and sometimes is given a slight downward inclination.

In the front wall of the body portion A of the knife a longitudinal recess 13 is formed, and in this recessed portion of the body of the knife a guide-plate 14 is located, the said plate being angular in cross-section, embracing a lower horizontal member *b'* and an upper vertical member *b*. The guide-plate 14 closely follows the front contour of the body of the knife, and is likewise an adjustable plate, since by the movement of the plate upward or downward the horizontal member of the said plate will be brought more or less to a horizontal alinement with the blade 12, and consequently the strip or paring to be removed from the fruit or vegetables will be of more or less thickness, as may be demanded.

The adjustment of the guide-plate 14 is accomplished by forming slots 15 in its vertical member and passing set-screws 16 through these slots into the body of the knife, the set-screws likewise serving to hold the guide-plate in proper position.

It is evident that a knife constructed as above set forth will be exceedingly economic and will be effective in operation. The handle may be made of wood, and all the metal that will be required will be that from which the blade, the guide-plate, and the set-screws are constructed.

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

1. A paring-knife, comprising a segmental body and a handle, said body being provided with a segmental longitudinal opening extending through from top to bottom forming a rear and forward wall, a segmental blade secured to and extending beyond the under face of said rear wall, throughout the length thereof and a segmental guide-plate

having vertical adjustment on said forward wall, said plate being angular in cross-section, the horizontal member thereof being normally above the plane of said blade, as and for the

5 purpose specified.

2. A paring-knife consisting of a segmental body, a handle attached to the body, the body being provided with a longitudinal segmental slot having its rear wall downwardly and forwardly inclined and its forward wall substantially straight, the forward portion of the body being of less thickness than the rear portion, a segmental plate attached to the bottom of the body and extending forwardly beyond the inclined wall of the body-slot, a guide-plate angular in cross-section, adjustably placed upon the forward or inner wall of the body, the horizontal member of the said plate being above the plane of the cutting edge of the knife, and set-screws regulating the adjustment of the said guide-plate, as and for the purpose set forth.

3. In a paring-knife, the combination, with a segmental body, a handle attached thereto, the body being provided with a longitudinal segmental slot having an inclined rear and a substantially straight forward wall, of a blade following the contour of the body, countersunk in the bottom thereof and extending forwardly beyond the inclined wall of the body-slot, a guide-plate angular in cross-section, located upon the forward or inner wall of the body, the horizontal member of the said plate extending rearwardly and being elevated beyond the plane of the upper face of the blade, the vertical member of the said guide-plate being provided with openings, and adjusting-screws passed through the openings in the guide-plate and into the body of the knife, substantially as shown and described.

JOHN H. GROOTERS.

Witnesses:

R. G. LUBBERS,
JOHN IVEHOEF.