

A. ABEL.

KNIFE.

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1,000,874.

Patented Aug. 15, 1911.

Fig. 1.

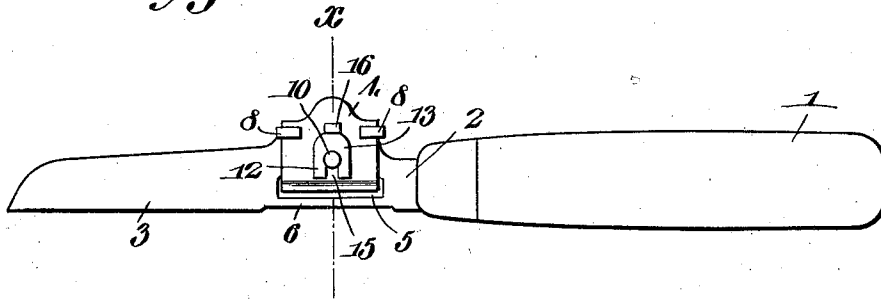


Fig. 2.

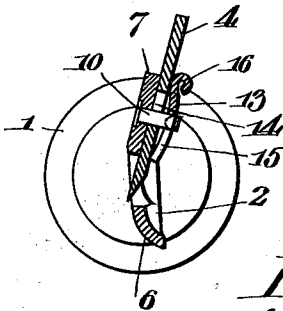
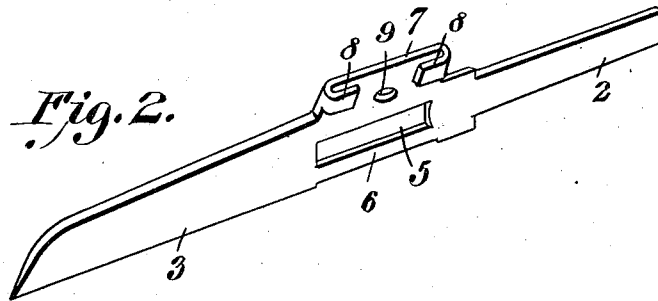


Fig. 3.

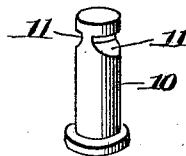


Fig. 4.

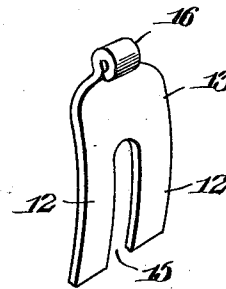


Fig. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

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KNIFE.

1,000,874.

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To all whom it may concern:

Be it known that I, ARTHUR ABEL, a citizen of the United States, residing at Tarrytown, in the county of Westchester and State of New York, have invented new and useful Improvements in Knives, of which the following is a specification.

The present invention provides an implement particularly designed for preparing vegetables for cooking, said implement being in the nature of a knife whereby vegetables, fruits and the like may be pared and sliced or shaved.

The purpose of the invention is the provision of an implement of the nature set forth combining a knife blade and a bit, the latter being adjustable to regulate the thickness of the skin to be removed from the vegetable or to admit of varying the thickness of the slice or shaving.

The invention consists of the novel features, details of construction and combination of parts, which hereinafter will be more particularly set forth, illustrated in the accompanying drawing, and pointed out in the appended claim.

Referring to the drawing, forming a part of the application, Figure 1 is a front view of a knife embodying the invention. Fig. 2 is a perspective view of the blade stripped of the handle, bit and means for securing the bit to the blade. Fig. 3 is a transverse section on the line $x-x$ of Fig. 1. Fig. 4 is a perspective view of the stud. Fig. 5 is a perspective view of the spring lock or clamp.

Corresponding and like parts are referred to in the following description, and indicated in all the views of the drawing, by the same reference characters.

The implement comprises a blade and a handle 1, the blade preferably consisting of a strip of steel having a shank 2 at one end, a knife blade 3 at the opposite end and an intermediate portion constructed to form a support for a bit 4, which is adjustable for varying the thickness of the slices, shavings or parings. The component parts of the blade are in a straight line and substantially in the same plane. The knife blade 3 may be used in the ordinary manner of a paring knife. The shank 2 provides convenient means for securing the blade to the handle 1. The intermediate portion of the blade has a longitudinal slot 5 through which the cutting edge of the bit 4 projects. The part 6

below the slot 5 forms a guard and is set at an inclination to the plane of the knife blade and its outer surface is made rounding to ride upon the article being cut. The part 7 above the longitudinal slot 5 constitutes a bit support and inclines in an opposite direction to the guard 6 and to the plane of the knife blade. Ears 8 at the ends of the bit support 7 extend in front of the bit and retain the latter in place and direct it in its vertical adjustment. The guard 6 is located wholly in advance of the cutting edge of the bit 4. An opening 9 is formed in the bit support 7 and receives a stud 10 which is headed at one end to limit its movement when placed in position in the opening 9. Notches 11 are formed in opposite sides of the stud 10 and receive the legs 12 of a spring lock or clamp 13 by means of which the bit 4 is held in the located position. The bit support 7 projects above the back of the knife blade so as to present ample supporting surface for the bit 4 to retain the same in proper position.

As stated the implement is formed of a strip of steel and when stamped out the widened part 7 has the ears 8 at its ends projecting. These ears being bent back parallel with the part 7 to form the guides for the bit, thereby resulting in a structure which is practical and capable of being cheaply manufactured.

The bit 4 consists of a blade having its lower edge beveled from one side after the fashion of the bit of a plane. A slot 14 is formed in the bit 4 to receive the projecting end of the stud 10. The bit is seated upon the support 7 and is retained in place by means of the ears 8.

The spring lock or clamp 13 is curved in its length and has a centrally disposed slot 15 forming the legs 12, said slot receiving the projecting end of the stud 10 and the inner edge portions of the legs 12 bordering upon the slot 15 entering the notches 11 of the stud 10, whereby the lock is held in place. A roll 16 is formed upon the upper or outer end of the spring lock and constitutes a grip to facilitate the adjustment of the lock when required. When the lock 13 is drawn outward the bit 4 is released and may be adjusted so as to project to a greater or less extent through the longitudinal slot 5, thereby regulating the thickness of the parings or slices. After the bit has been adjusted the lock 13 is pressed inward and

binds upon the bit by a wedging action, this being due to the longitudinal curvature of the lock and the engagement of its legs 12 with the notches of the stud 10.

5 From the foregoing description, taken in connection with the accompanying drawing, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which
10 the invention appertains, and while I have described the principle of operation of the invention, together with the device which I now consider to be the embodiment thereof, I desire to have it understood that the de-
15 vice shown is merely illustrative, and that such changes may be made when desired as are within the scope of the claim appended hereto.

20 Having thus described the invention what is claimed as new, is—

An implement of the character set forth comprising a blade having a shank at one end, a straight knife blade at the opposite end and having the intermediate portion

widened to form a support, and having pro- 25
jecting ears at the end of the widened part when stamped out, said ears being bent back parallel with said widened part to form
guides, said blade having its intermediate 30
portion longitudinally slotted and provided with a centrally disposed opening, and hav-
ing the portions upon opposite sides of the longitudinal slot reversely inclined, the
lower portion of the blade being rounding 35
upon its under side, a handle fitted upon the shank of the blade, a bit placed upon the support and slidable in the said guides, and means for securing the bit to the blade and
admitting of adjustment of the bit to pro- 40
ject the edge thereof through the longitudinal slot of the blade to a greater or less extent.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR ABEL.

Witnesses:

GEO. P. FOX,
ROBERT GOETSCH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."