

G. BERGNER.

Apple-Parers.

No. 135,622.

Patented Feb. 11, 1873.

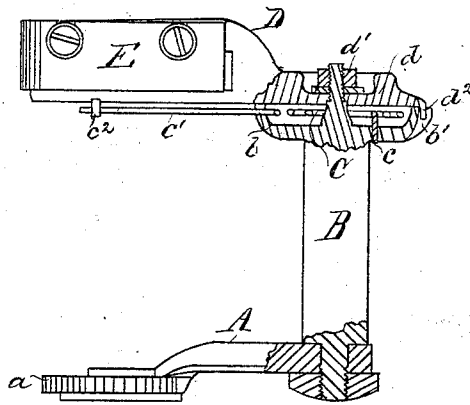


FIG. 1.

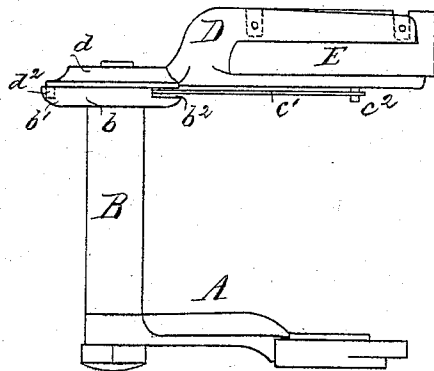


FIG. 2.

WITNESSES:

Charles Meisner.
J. W. Keith.

INVENTOR:

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Attys.

UNITED STATES PATENT OFFICE.

GEORGE BERGNER, OF WASHINGTON, MISSOURI.

IMPROVEMENT IN APPLE-PARERS.

Specification forming part of Letters Patent No. 135,622, dated February 11, 1873.

To all whom it may concern:

Be it known that I, GEORGE BERGNER, of Washington, in the county of Franklin and State of Missouri, have invented a certain Improved Knife-Stock and Cutter-Head for Apple-Parers, of which the following is a specification:

The object is to form a simplified, accurately-operating, and readily constructed and applied cutter-head and knife-stock; therefore this invention consists in the peculiar construction of knife-stock and cutter-head, and their arrangement and combination in manner now more fully to appear.

Of the drawing, Figure 1 represents a front elevation with parts removed to show sections; Fig. 2, a front elevation in reverse position to that of Fig. 1.

The invention is designed, in application and use, for apple-paring machines, similarly operating to that described in my patent aforesaid of date January 10, 1872. In said patent a sliding rack-rod operates the knife-stock, and imparts to same the required motion to revolve the cutter devices. Similarly the sliding rack-rod operates the knife-stock, here shown, which, for this purpose, has an arm-support, A, having its base formed with a part pinion, *a*. To the end of the arm A is securely bolted the vertical knife-stock B. The knife-stock B is formed near its upper end with a hollow support, *b*. This further has a projection at *b*¹, and has its face slotted as at *b*². (See figures.) The hollow support *b* of knife-stock forms a housing to inclose the spring C, which coils round the top of the

stock, having one end projecting at *c*, and the other end, *c*¹, extended to abut a lug, *c*², at bottom of cutter-head. The cutter-head D is of the constructive formation shown in figures—its circular base *d* fitted to cap and turn upon the face of the hollow support *b* of knife-stock. The cutter-head D is secured to the top of knife-stock by screw-bolt *d*¹. *d*² is a projecting lug forming part of cutter-head, which limits the rotation of same when brought to abut against the projection *b*¹ of knife-stock. The slot *b*² allows and limits the movement of the spring C and cutter-head D, the latter, in its return movement, being estopped by the lugs *d*² and *b*¹ aforesaid. To the cutter-head D is suitably attached a paring-knife, E.

The knife E cuts in line with the core of the apple, and, as the slide-motion of the rack-rod imparts the required motion to knife-stock, the spring C forces the cutter-head carrying-knife against the surface of the apple, which is thus properly pared.

Having thus fully described my said invention, what I claim is—

A knife-stock consisting of the stock B, formed with a hollow support, *b*, inclosing a spring, C, and carrying a cutter-head, D, and knife E, all constructed to operate as and for the purpose set forth.

In testimony of said invention I have hereunto set my hand.

GEO. BERGNER.

Witnesses:

WILLIAM W. HERTHEL,
CHAS. MEISNER.