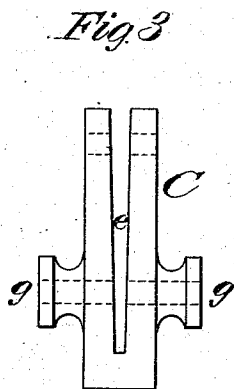
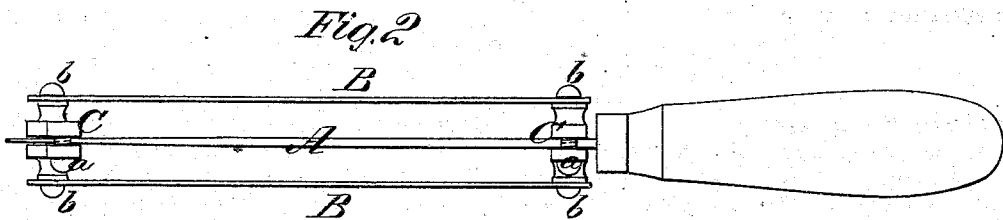
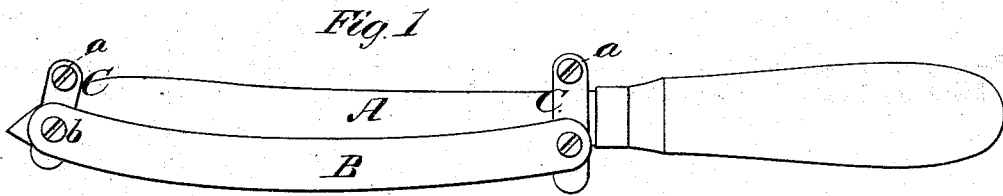


EVA HEINEMAN.

Bread-Knives.

No. 157,516.

Patented Dec. 8, 1874.



WITNESSES

Mary J. Wiley,
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UNITED STATES PATENT OFFICE

EVA HEINEMAN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BREAD-KNIVES.

Specification forming part of Letters Patent No. **157,516**, dated December 8, 1874; application filed August 29, 1874.

To all whom it may concern:

Be it known that I, EVA HEINEMAN, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Bread-Knives; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view of my bread-knife. Fig. 2 is a plan view. Fig. 3 is a detail view of the same.

My invention has relation to knives which are designed for slicing bread; and it consists in the combining, with a slicing-knife, two auxiliary blades, which are clamped to the main blade, in such manner that the three blades can be separated for sharpening, as will be fully understood from the following description.

In the annexed drawings, A designates the blade of an ordinary slicing-knife, which blade is constructed with a handle, in the usual well-known manner. B B are two narrow blades, which are secured to the blade A by means of clamps C C, applied at the extremities of the

three blades, which clamps hold the auxiliary blades B B parallel to the main blade, and at the required distance from it to give the proper thickness of slices. The clamps C C are both alike in their construction, and each clamp has a slit, *e*, to receive the blade A, and two side extensions, *g g*, to which the blades B B are secured by screws *b b*. The clamps are rigidly secured to the blade A by means of screws *a*, by loosening which the blades B B can be detached from the blade A.

With a knife thus constructed bread can be sliced with great facility, and the slices will all have the same thickness.

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

The auxiliary blades B B, in combination with the blade A and clamps C C, substantially as described, and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

EVA HEINEMAN.

Witnesses:

JACOB FELBEL,
DAVID HEINEMAN.