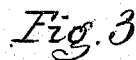


Improvement in Bread-Cutters.

Patented May 14, 1872.



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IMPROVEMENT IN BREAD-CUTTERS.

Specification forming part of Letters Patent No. 126,807, dated May 14, 1872.

Specification describing a certain Improvement in Bread-Cutters, invented by CHRISTIAN HANSEN and PETER ANDERSEN, residing at Racine, in the county of Racine and State of Wisconsin.

This invention relates to a cutter which is mainly designed for cutting bread, but which is equally applicable to purposes of slicing vegetables, such as cucumbers, cabbages, apples, &c.; and our improvement consists in the employment, in combination with a stationary knife, of a feed-board capable of vertical adjustment to determine the thickness of the slices to be cut, the feed-board bearing with its end furthest from the knife against the end of a set-screw, and having downwardly-projecting flanges with parallel oblique ends seated in correspondingly-shaped guides or recesses in cleats on the frame-work, so that by simply adjusting the set-screw the feed-board may be raised or lowered to cut slices of any required thickness.

Figure 1 is a plan view of our improved bread-cutter. Fig. 2 is a side elevation of the same. Fig. 3 is a vertical longitudinal section thereof.

The same letters of reference are employed in all the figures in the designation of identical parts.

The operating parts of the device are arranged upon a rectangular trough, A, in the sides of which, upon the interior, ways are formed for the reception of rails on the hopper-box B, the lower end of which comes nearly in contact with the stationary portion A' of the bottom of the trough A, as best seen in Fig. 3. The knife C is permanently fixed to the inner end of the part A' extending diagonally across the trough. The feed-board D forms the bottom of the trough in front of the knife, in line or nearly so with the cutting-edge of which it terminates when raised to its highest position, at which time its upper surface becomes about flush with the upper surface of the knife. The feed-board is provided upon each side with a downwardly-projecting flange, D', having oblique parallel ends, as clearly illustrated in Fig. 3. These flanges enter correspondingly-shaped seats or recesses E' in cleats E, which are secured horizontally to the sides of the trough, be-

neath the feed-board, and may sustain the latter when in its most depressed position. The outer end of the feed-board bears against the foot of a set-screw, F, which is made of required length, and fitted in a nut in the end board of the trough.

By projecting this screw through the nut causes the feed-board to move endwise, and as it moves thus its oblique-ended flanges ride up the incline of the edges of their seats, and raise the board bodily. By retracting the screw the board is depressed by its own gravity. In this manner the throat, between the feed-board and the knife, may be contracted or enlarged, to suit.

The hopper-box B is reciprocated over the knife by means of a lever, G, pivoted to it at b, and linked to a fulcrum-pin on the bracket H, which is secured to one side of the trough. The latter is also provided with clamps and set-screws I, for convenience in securing it to the ledge of a table.

We are aware that the feed-board in bread-cutters has heretofore been adjusted vertically by means of inclines or wedges, and we do not, therefore, claim this feature broadly. As formerly made, both the feed-board and the inclines on which it moved were adjustable, and both these parts were, when adjusted, clamped to the frame-work by set-screws. Such a device requires considerable manipulation to adjust it properly; and our invention is an improvement on it in that it greatly simplifies not only the construction, but also the *modus operandi*.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination of the stationary knife C, feed-board D, having flanges D', with parallel oblique ends playing in correspondingly-formed fixed seats E', and set-screw F, substantially as and for the purpose specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

CHRISTIAN HANSEN.
PETER ANDERSEN.

Witnesses:

A. W. CRITES,
J. H. STAHR.