

W. H. GARLOCK & W. J. STUBBE,

BREAD KNIFE.

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1,246,905.

Patented Nov. 20, 1917.

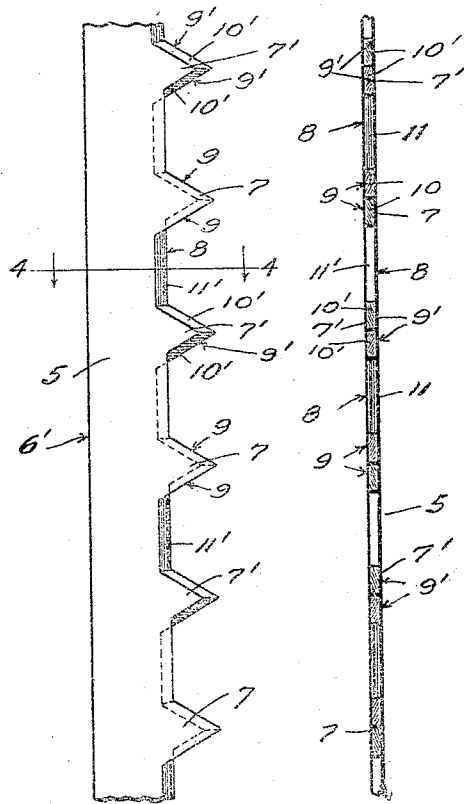
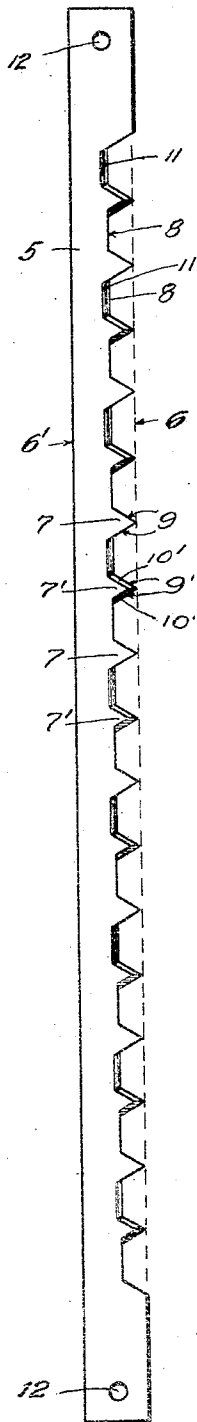


Fig. 2

Fig. 3

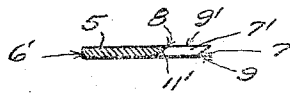


Fig. 4

Fig. 1

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WILLIAM H. GARLOCK AND WILLIAM J. STUBBE, OF SEATTLE, WASHINGTON.

BREAD-KNIFE.

1,246,905.

Specification of Letters Patent.

Patented Nov. 20, 1917.

Application filed September 24, 1917. Serial No. 193,038.

To all whom it may concern:

Be it known that we, WILLIAM H. GARLOCK and WILLIAM J. STUBBE, citizens of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Bread-Knives, of which the following is a specification.

This invention relates to knives for use, more particularly, in slicing machines of the character illustrated and described in U. S. Patent No. 1,212,045, issued to us January 9, 1917.

In the operation of a machine of this type, a group or groups of spaced knife blades are reciprocated to progressively cut an article, such as a loaf of bread, into slices of uniform thicknesses, while the article is being uninterruptedly fed to the knives in a direction rectangular to the plane of their travel.

The object of the invention is to provide a knife having effective material-penetrating characteristics, which will perform its duty with little vibratory movement to produce with an absence of crumbs, a narrow cut with smooth side surfaces.

The invention is illustrated in the accompanying drawings, in which Figure 1 is a side elevational view of a knife embodying the present invention. Fig. 2 is a similar view of a portion of a knife drawn to an enlarged scale. Fig. 3 is an edge view of Fig. 2. Fig. 4 is a transverse sectional view taken through 4—4 of Fig. 2.

In carrying out our invention, a blade of thin sheet steel and having edges 6, 6¹ (Fig. 1) parallel, or nearly so, is first serrated along its front edge to provide a plurality of cutting elements in the nature of triangular shaped teeth 7—7¹ and having therebetween edges 8 which are substantially parallel with the rear edge 6¹ of the blade. Every alternate tooth, as 7, is sharpened to provide cutting edges 9 by beveling the same from one side of blade, as indicated by 10. The other teeth 7¹ are beveled as at 10¹, from the opposite side of the knife to provide cutting edges 9¹ thereon.

The cutting edges 8 at the bottom of the gullets between said teeth are also sharpened by beveling them, as at 11 and 11¹, from opposite sides of the blade, alternately.

The teeth of our knife have no side offset and the cutting edges of the various teeth are therefore disposed in planes with the respective side surfaces of the unserrated portion of the blade.

As illustrated in Fig. 1, the knife is provided near its extremities with apertures 12 to receive pins or other suitable means for attaching the knife to the sash-frame of the machine in which the knife is utilized.

What we claim, is—

1. A slicing knife of the character described, comprising a blade having cutting teeth ground alternately from opposite sides of the blade alternating with cutting edges disposed longitudinally of the blade.

2. A slicing knife of the class described, consisting of a blade serrated along one edge to provide a plurality of longitudinal cutting edges alternating with projections having cutting edges arranged in angular relations to the aforesaid cutting edges, said longitudinal cutting edges and the cutting edges of said projections being sharpened by beveling the same alternately from opposite sides of the blade.

3. A slicing knife of the class described, comprising a blade having along one of its longitudinal edges a series of triangular shaped teeth unprovided with any offsetting with respect to the blade, and having cutting edges thereon which are beveled from opposite sides of the blade in the alternate teeth, and longitudinal cutting edges which are beveled from opposite sides of the blade.

Signed at Seattle, Washington, this 14th day of September, 1917.

WILLIAM H. GARLOCK.
WILLIAM J. STUBBE

Witnesses:

E. PETERSON,
PIERRE BARNES.