No. 860,641. PATENTED JULY 23, 1907.

J. S. CROXFORD.

PIE TRIMMER.

APPLICATION FILED JULY 21, 1906.

Fig. 1.

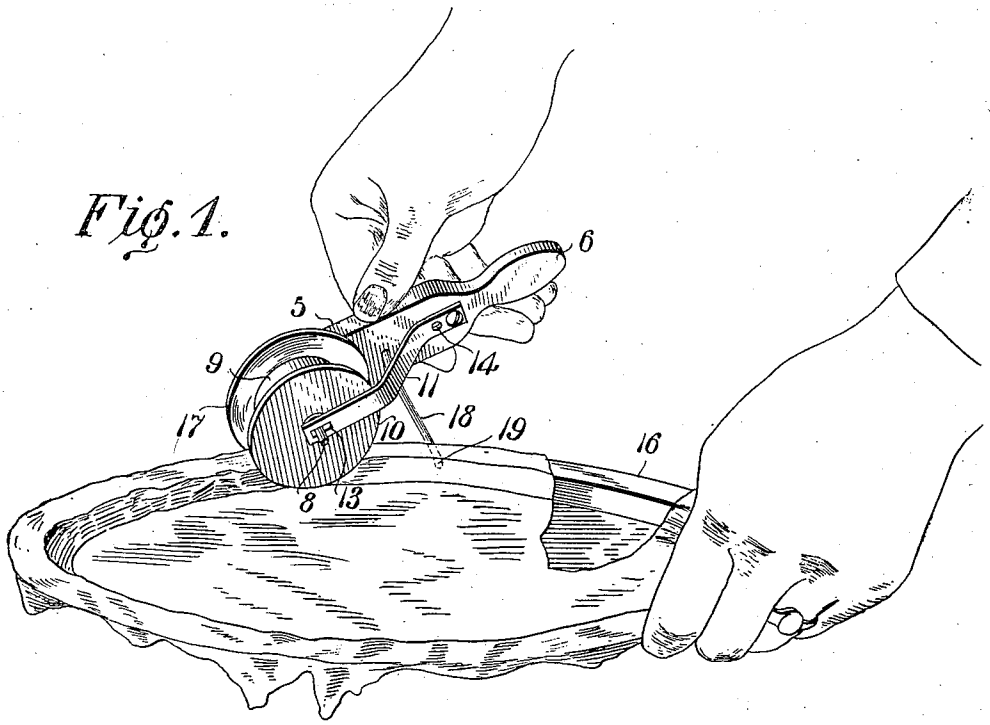
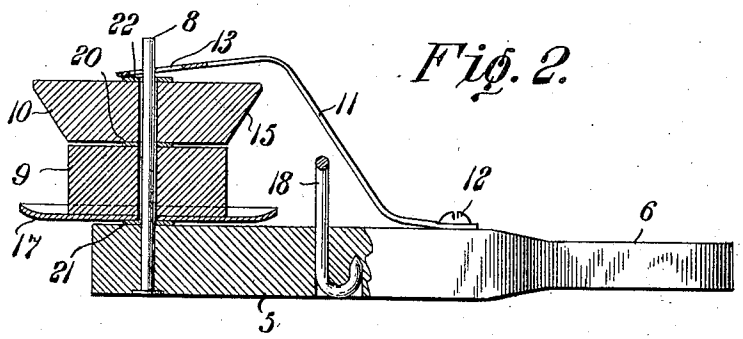


Fig. 2.



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PIE-TRIMMER.

No. 860,641. Specification of Letters Patent. Patented July 23, 1907.

Application filed July 21, 1906. Serial No. 327,151. (Model.)

To all whom it may concern:

Be it known that I, JOHN S. CROXFORD, a citizen of the United States, residing at Newport, in the county of Penobscot and State of Maine, have invented a new and useful Pie-Trimmer, of which the following is a specification.

This invention relates to pie trimmers and has for its object to provide a comparatively simple and inexpensive device of this character by means of which the upper and lower crusts of pies and other pastry may be cut or served to conform to the shape of the pan, and said crusts pressed together so as to effectually prevent the escape of the filling during the process of baking.

A further object is to provide a pie trimmer including a plurality of revolving disks or rollers one of which is provided with an inclined or beveled bearing surface and the other with a cutting edge, said disks being yieldably supported in contact with each other thereby to permit said disks or rollers to adapt themselves to pie-crusts of different thicknesses.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a pie trimmer constructed in accordance with my invention and showing the same in position to cut or sever the lower crust. Fig. 2 is a longitudinal sectional view.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device comprises a body portion 5 having one end thereof terminating in an operating handle 6 and its opposite end provided with a laterally extending pin 8 which forms a journal for the pressing disks or rollers 9 and 10. The disks or rollers 9 and 10 are mounted for rotation on the pin 8 and are yieldably supported in contact with each other and in engagement with the adjacent face of the body portion by means of a spring 11. One end of the spring 11 is secured to the body portion by means of a screw or similar fastening device 12 while the opposite end thereof is bent laterally at an angle to the adjacent face of the disk or roller 10 and is provided with an elongated slot or opening 13 adapted to receive the adjacent end of the pin 8. The fixed end of the spring 11 is provided with one or more openings 14 so that by introducing the screw or fastening device 12 in any one of the openings 14 the tension of the spring 11 may be regulated so as to exert any desired pressure on the pressing rollers. The roller 10 is provided with an inclined or beveled bearing surface 15 adapted to bear against the lower pie-crust and press the same in engagement with the adjacent inclined face of the pie pan 16, while the roller 9 is provided with a flat bearing surface adapted to engage the crust covering the laterally extending flange of said pie pan.

Secured to and mounted for rotation with the disk or roller 9 is a concave cutting disk 17 adapted to engage and cut or sever the pie crust so as to cause the same to conform to the shape of the pie pan. As a means for guiding the cutter 17 when the device is used for trimming a pie, there is provided a laterally extending arm 18 one end of which is secured to the body portion 5 at a point intermediate its ends while the opposite end of said arm is bent downwardly and thence laterally to form an inclined lip 19 adapted to bear against the peripheral edge of the pie plate and thus force the cutting edge of the cutter 17 in engagement with the pie crust when the trimmer is revolved over the edge of the pan, as shown in Fig. 1 of the drawing.

The pressing rollers or disks 9 and 10 are preferably spaced from each other and from the adjacent surface of the body portion 5 by means of suitable gaskets or bearing washers 20 and 21, there being a similar washer 22 carried by the free end of the pin 8 for engagement with the adjacent end of the spring 11.

In using the trimmer the lower crust is first placed in the pie pan in the usual manner after which the trimmer is positioned on the peripheral edge of the pan with the roller 9 bearing agianst the flange of the pan and the inclined roller 10 disposed within the pan and bearing against the inclined wall thereof. The trimmer is then moved around the upper edge of the pan with the guiding lip 19 in engagement with the peripheral edge of said pan thus causing the cutter 17 to engage and sever the surplus dough constituting the lower pie crust.

It will here be noted that by having the pressing rollers 9 and 10 yieldably supported in contact with each other on the pin 8 the roller 10 is free to move laterally on said pin to accommodate pie crusts of different thicknesses, the elongated slot or opening 13 in the end of the spring 11 serving to permit lateral movement of said spring. After the lower crust has been cut or severed the filling is introduced in the pie and the upper crust placed in position on the pie pan, after which, the trimmer is positioned on the lateral flange of the pie pan and operated in the manner before stated thus pressing the upper and lower crusts of the pie in contact with each other and effectually preventing the escape of the filling during the baking operation.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive

and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention what is claimed is:

1. A pie trimmer including an operating handle, and pressing rollers mounted for rotation on the operating handle and yieldably supported in contact with each other.

2. A pie trimmer including an operating handle, and yieldably supported pressing rollers mounted for rotation on the operating handle.

3. A pie trimmer including an operating handle, and yieldably supported pressing rollers mounted for rotation on the operating handle, one of said rollers being provided with an inclined bearing surface.

4. A pie trimmer including an operating handle, yieldably supported pressing rollers mounted for rotation on the operating handle, and a guiding member extending laterally from the operating handle at the rear of the rollers.

5. A pie trimmer including an operating handle, pressing rollers mounted for rotation on the operating handle, and a spring secured to the handle and bearing against one of said pressing rollers.

6. A pie trimmer including an operating handle, laterally movable pressing rollers journaled on the handle, one of said rollers being provided with a cutting disk and the adjacent roller having an inclined bearing surface, and a spring bearing against one of the rollers.

7. A pie trimmer including an operating handle, a pin extending laterally from the handle, pressing rollers mounted for rotation on the pin, and a spring secured to the handle and bearing against one of the rollers, said spring being provided with a terminal opening for the reception of the adjacent end of the pin.

8. A pie trimmer including an operating handle, a pin extending laterally from the handle, pressing rollers mounted for rotation on the pin, one of said rollers being provided with an inclined bearing surface, a cutting disk secured to the adjacent roller, and a spring carried by the handle and bearing against one of said rollers.

9. A pie trimmer including an operating handle, a pin extending laterally from the handle, freely separable pressing rollers mounted for rotation on the pin, a cutting disk carried by one of the rollers, the opposite roller being provided with an inclined bearing surface, a spring secured to the handle and bearing against the adjacent pressing roller, and a guiding arm projecting from the operating handle between the spring and rollers and provided with a laterally extending lip.

10. A pie trimmer including an operating handle, laterally movable rollers mounted for rotation on the operating handle, a cutting disk secured to one of the rollers, the opposite roller being provided with an inclined bearing face, and means for yieldably supporting said rollers in contact with each other.

11. A pie trimmer including an operating handle, pressing rollers mounted for rotation on the operating handle, a concaved cutting disk secured to one of the rollers, the opposite roller being provided with an inclined bearing face, a spring secured to the handle and bearing against one of the rollers, and means for regulating the tension of the spring.

12. A pie trimmer including an operating handle, a pin extending laterally from said handle, pressing rollers mounted for rotation on the pin, one of said rollers being provided with a flat bearing surface and the adjacent roller with an inclined bearing surface, a cutting disk secured to one of the rollers, a spring carried by the handle and having its free end inclined laterally for engagement with the adjacent roller and provided with an elongated slot for the reception of the free end of the pin, and a guiding member projecting from one side of the handle and provided with a laterally extending guiding lip.

In testimony whereof I have signed my name in the presence of two subscribing witnesses.

JOHN S. CROXFORD.

Witnesses:
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