

H. ISAACS.
 PIE PLATE ATTACHMENT.
 APPLICATION FILED SEPT. 1, 1909.

941,074.

Patented Nov. 23, 1909.

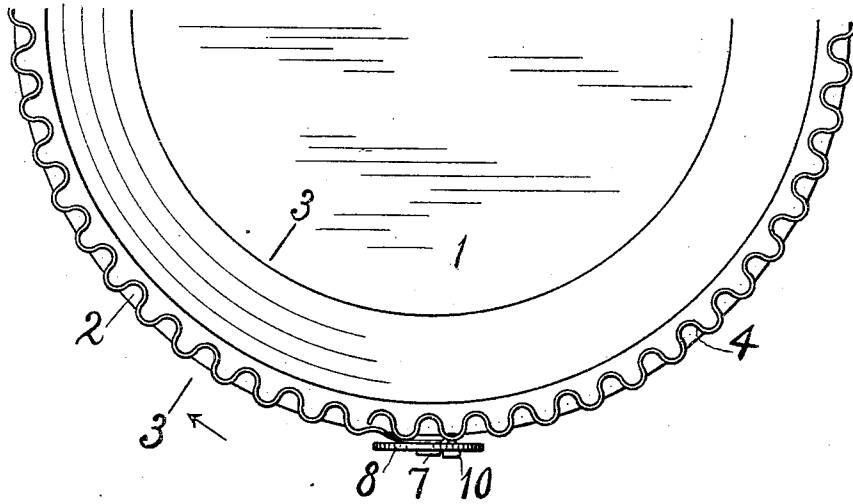


FIG. 1.

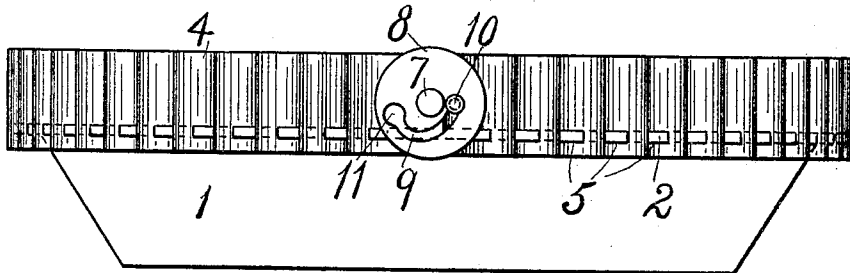


FIG. 2.

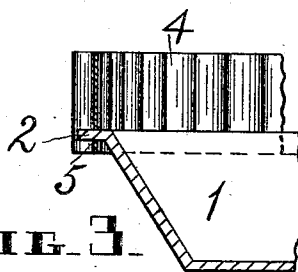


FIG. 3.

WITNESSES:

A. C. Fairbanks.
 J. M. Davenport

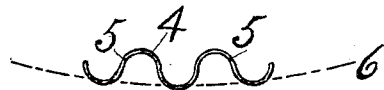


FIG. 4.

INVENTOR.

Henry Isaacs,
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UNITED STATES PATENT OFFICE.

HENRY ISAACS, OF GREENFIELD, MASSACHUSETTS.

PIE-PLATE ATTACHMENT.

941,074.

Specification of Letters Patent.

Patented Nov. 23, 1909.

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To all whom it may concern:

Be it known that I, HENRY ISAACS, a citizen of the United States of America, residing at Greenfield, in the county of Franklin and State of Massachusetts, have invented a new and useful Pie-Plate Attachment, of which the following is a specification.

My invention relates to guards for the rims of pie-plates, and more particularly to improvements in a device such as that covered by United States Letters Patent No. 793,653, and consists of a corrugated band slotted to receive the rim of a pie-plate and preferably provided with a certain peculiar fastener, all as hereinafter set forth.

The object of my invention is to provide an attachment which, while possessing all of the desirable features of the aforesaid patented device, is simpler and much less expensive to manufacture than the other.

A further object is to provide such an attachment with means to contract as well as to lock or fasten it on the pie-plate, so that said attachment is held firmly and securely in place thereon.

I attain these objects by the means illustrated in the accompanying drawings, in which—

Figure 1 is a top plan of one-half of an attachment which embodies a preferred form of my invention, showing it attached to a pie-plate; Fig. 2, an elevation of the same; Fig. 3, a section on lines 3—3, looking in the direction of the arrow, in Fig. 1, and, Fig. 4, an enlarged horizontal section through a portion of the guard or band, showing the manner in which the slots are formed therein.

This attachment may be constructed to adapt it to a plate of any suitable size and depth, but the rim of the plate must be of such shape as to permit said attachment to be readily engaged therewith, such rim by preference being flat and horizontal.

In the drawings, 1 designates an ordinary pie-plate having a flat horizontal rim 2, and 4 a guard or band corrugated vertically and having horizontal slots 5 in the inner folds or plaits, which is capable of being attached to said plate. The slots 5 are cut or otherwise made in the band 4 in such a way as to allow the rim 2 to enter such slots, when the attachment is placed in position on the plate 1, as far as the inner faces of the extreme outer portions of the outer folds of said band, as best shown in Fig. 4 wherein the broken line 6 represents the periphery of said rim.

Thus a practically unbroken support for the bottom and sides of the rim of the pie-crust is afforded, as is the case with the attachment previously patented.

A more or less resilient metallic strip is used for the corrugated and slotted band 2, and this may be made in sections which are hinged together, as in the case referred to, if desired, but I prefer to make it of one piece and depend upon the resilient nature of the same for closing it about the plate and opening it to remove it therefrom.

The band 4 is made with overlapping ends, the outer of which is flattened and has rotatably mounted on the front side thereof, on a pin 7, a disk 8 slotted at 9 to receive a stud 10 that projects forward from one of the outer folds behind said disk.

The slot 9 is a cam slot so shaped that, when the disk is rotated in one direction, the band 4 is contracted, and when said disk is rotated in the opposite direction, said band is expanded, it being assumed that the stud 10 is in said slot in both instances. I prefer to employ a headed stud 10 and to enlarge one end of the slot 9, as shown at 11, in Fig. 2, so as to enable said stud to be engaged with and disengaged from the disk 8, and to permit of such engagement and disengagement only when said disk is so positioned or disposed as to insure the greatest amount of expansion possible on the part of the band while the stud is in the slot. The band is, of course, sufficiently flexible to enable the ends to be separated for the purpose of connecting and disconnecting them by means of the disk and stud.

The fastener just described not only constitutes a substantial and secure lock, but serves as well to draw the band tightly about the plate rim.

In practice, the band 4 is placed about the rim 2 with said rim in the slots 5, then the disk 8 is turned to bring the enlarged part 11 of the slot 9 into line with the stud 10; next said disk is pressed inward to receive said stud and is turned to the right until the opposite end of said slot encounters the stud, thus contracting said band, owing to the shape of the slot, and drawing it tightly around the rim of the plate, and finally locking the band to said plate or its rim. The small part of the stud now being in the slot, it is not possible for the head of said stud to escape from said slot, so that the disk is held fast and the ends of the band

secured. The members are now disposed as shown in the first two views.

To detach the band from the plate, rotate the disk 8 to the left to bring the enlarged
5 part of the slot 9 into registry with the head of the stud 10, withdraw said disk from said stud, and open out said band as much as may be necessary to free it from the rim 2 or to permit of its removal from said rim.

10 What I claim as my invention, and desire to secure by Letters Patent, is—

1. As an improved article of manufacture, a pie-plate attachment comprising a corrugated guard or band having slots in
15 the inner folds to receive the rim of a plate, and provided with fastening means for the ends of said guard or band.

2. As an improved article of manufacture, a pie-plate attachment comprising a corrugated guard or band having slots in
20 the inner folds to receive the rim of a plate, and provided with means to contract said band and fasten it about said rim.

3. The combination, in a pie-plate attachment, with a plate provided with a substantially flat horizontal rim, of a corrugated
25 guard or band slotted to receive said rim, and means to fasten said guard or band to said plate.

HENRY ISAACS.

Witnesses:

GEORGE K. POND,
N. LACEY.