L. R. LIGHTLE.

ROTARY TABLE FOR OVENS.

APPLICATION FILED JUNE 2, 1917.

1,335,844. Patented Apr. 6, 1920.

Fig. 1.

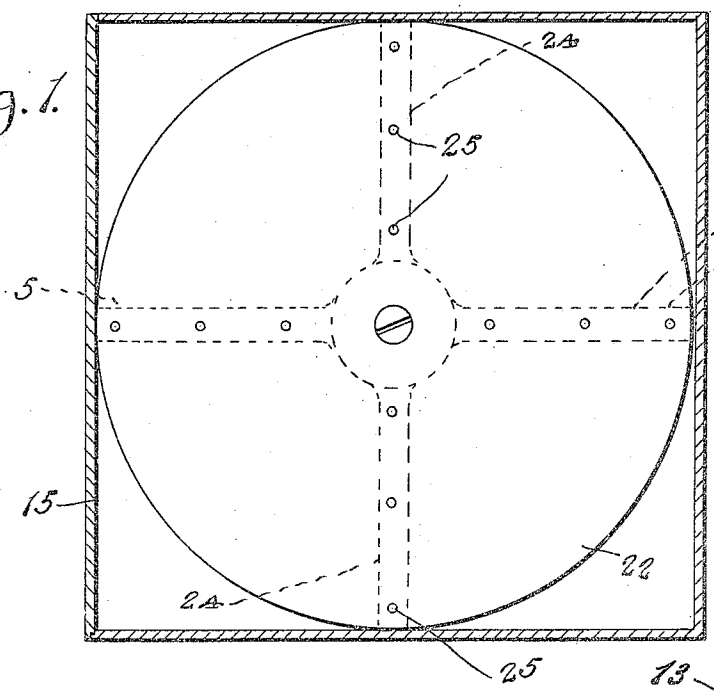


Fig. 6.

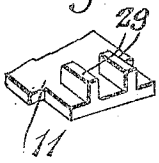
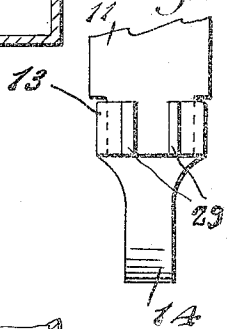


Fig. 5



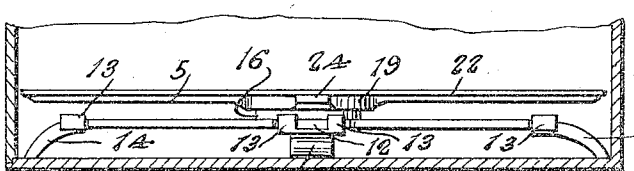


Fig. 2.

Fig. 3.

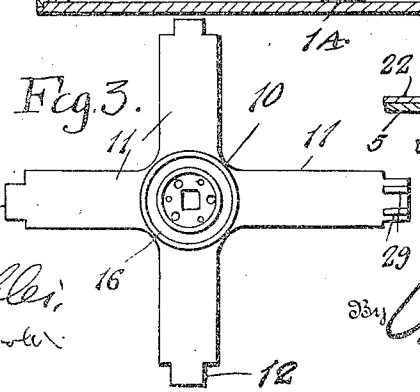
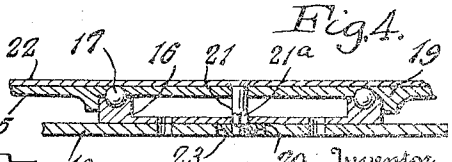


Fig. 4.



Witnesses

J. P. Mahler.

P. Seibold

Inventor

L. R. Lightle

By A. Maudrey & Co. Attorneys

UNITED STATES PATENT OFFICE.

LENA R. LIGHTLE, OF CHEWELAH, WASHINGTON.

ROTARY TABLE FOR OVENS.

1,335,844. Specification of Letters Patent. Patented Apr. 6, 1920.

Application filed June 2, 1917. Serial No. 172,501.

To all whom it may concern:

Be it known that I, LENA R. LIGHTLE, a citizen of the United States, residing at Chewelah, in the county of Stevens and State of Washington, have invented certain new and useful Improvements in Rotary Tables for Ovens; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has for its object to provide a rotary table structure designed to be supported in the oven of a cooking stove, and providing means whereby the articles to be cooked may be revolved to insure uniform cooking thereof.

With this and other objects in view, the invention consists in the novel construction, combination and arrangement of parts as will be hereinafter specifically described, claimed and illustrated in the accompanying drawing, in which:

Figure 1 represents a horizontal sectional view through an oven, showing the invention applied to use,

Fig. 2 represents a fragmentary vertical sectional view through the oven, showing the rotary table,

Fig. 3 represents a plan view of the supporting base of the rotary table.

Fig. 4 is an enlarged sectional view through the central portion of the table and supporting base.

Fig. 5 is a fragmentary plan view of one of the supporting legs for the table.

Fig. 6 represents a fragmentary perspective view of one of the arms of the supporting base.

Referring to the drawings in detail, wherein similar reference numerals designate corresponding parts throughout the several views, the numeral 10 indicates generally the supporting base of the rotary table, which consists of a plurality of radiating arms 11, having reduced outer terminals 12, adapted to be received in channels 13 formed in supporting legs 14.

The central portion of the supporting base 10 is formed with a circular upstanding flange or rib 16, having an annular groove in the upper portion thereof which is substantially simicircular in cross section and receives a plurality of bearing balls 17, which support a frame 18 provided with an annular depending flange 19, which encircles the flange or rib 16. The bearing balls 17 are provided so that the table top supporting frame 18 may be easily revolved upon the supporting base 10.

The portion of the base 10 within the flange or rib 16 is formed with a plurality of perforations 20, one of which receives the shank of a bolt 21, having its headed terminal countersunk in the table top 22, and provided at its lower end with a nut 23 to secure the table in position upon the base and prevent its accidental displacement. Adjacent its lower terminal the bolt 21 is provided with a squared portion 21^a to secure it against rotation during movement of the table top and the body portion of the nut 22 is of circular form so as to admit it to be turned to clamp the parts of the device together. The frame structure 18 includes a plurality of radiating arms 24 to which the circular table top 22 is riveted or otherwise secured, as indicated at 25.

In use, the supporting base 10 will be supported in an elevated position, as shown in Fig. 2, by applying the legs 14 to the outer terminals of the arms 11. The table top 22 is utilized for supporting the articles to be baked and it may be conveniently rotated from time to time to change the position of the article within the oven or to bring one article, when several are placed thereon, into convenient reach of the door of the oven.

What I claim is:

In a rotary table for ovens, a supporting base comprising a center disk and a plurality of arms radiating from the disk, feet releasably connected with the end portions of the arms for holding the base in an elevated position, a bearing plate positioned upon the disk of the base, a frame structure having a central disk and arms radiating from the central disk, a table top carried by the frame structure, the central disk of the frame structure being provided with a bearing race positioned in operative relation to the bear-

ing plate and having a depending wall positioned about the bearing plate, a pivot pin extending through registering openings formed in the table top and central disk of the frame structure and having a squared end portion extending through a squared opening formed in the bearing plate and terminating in a threaded lower end portion, and a fastener screwed upon the threaded lower end portion of the pivot pin.

In testimony whereof I affix my signature in presence of two witnesses.

LENA R. LIGHTLE.

Witnesses
C. D. DOLMAN,
F. A. PATTERSON.