(No Model.)

E. L. MARANVILLE.

ATTACHMENT FOR OVENS OF COOKING STOVES.

No. 274,009. Patented Mar. 13, 1883.

Fig. 1.

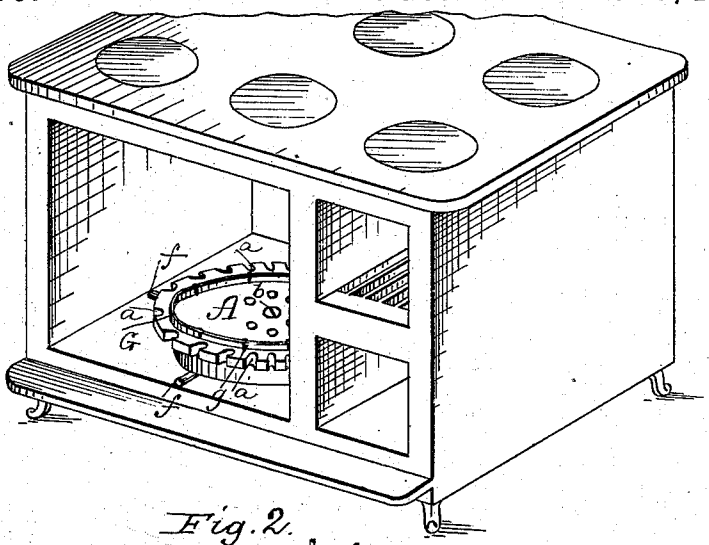


Fig. 2.

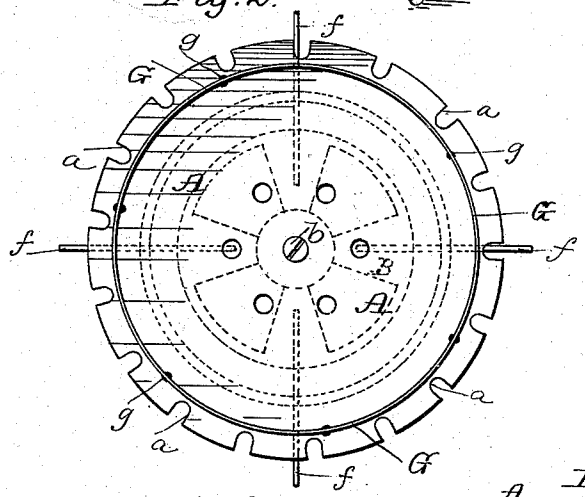


Fig. 3.

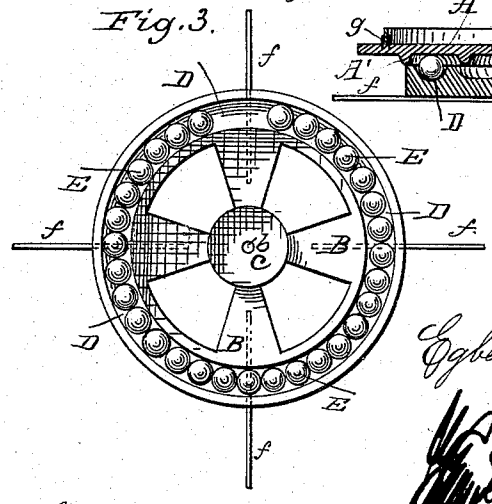
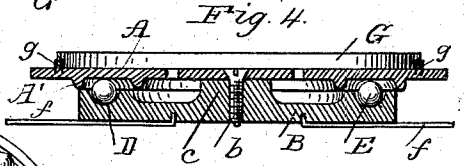


Fig. 4.



Witnesses:

E. M. Johnson

Lawrence Cornell

Inventor

Egbert L. Maranville

Attorney.

UNITED STATES PATENT OFFICE.

EGBERT L. MARANVILLE, OF RUTLAND, VERMONT, ASSIGNOR OF ONE-HALF TO MARCUS D. NICHOLSON, OF SAME PLACE.

ATTACHMENT FOR OVENS OF COOKING-STOVES.

SPECIFICATION forming part of Letters Patent No. 274,009, dated March 13, 1883.

Application filed January 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, EGBERT L. MARANVILLE, a citizen of the United States of America, residing at Rutland, in the county of Rutland and State of Vermont, have invented certain new and useful Improvements in Attachments for Ovens of Cooking-Stoves; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to that class of oven attachments known as "turn-tables," and which form revolving horizontal platforms within the ovens for supporting the articles to be baked and for shifting the same to and from different localities in the ovens as desired, in order that they may be properly baked or be brought into convenient position for inspection, basting, or removal.

The object of my invention is to provide a turn-table which may be readily applied to and removed from the oven of any stove or cooking-range of ordinary construction without alteration, which may readily be turned through a whole or any part of a revolution about its center without requiring the hand to be extended into the oven, from which light and loose articles will not be cast or shaken by the movement of the table, and which will be light, cheap, and durable in construction and not liable to get out of repair.

In the accompanying drawings, Figure 1 is a perspective view of an oven turn-table constructed according to my invention. Fig. 2 is a plan view of the same. Fig. 3 is a view of the track and anti-friction balls, and Fig. 4 is a sectional view.

The letter A indicates the circular revolving platform or turn-table proper, which supports the articles to be baked. It may be made of sheet or cast iron, woven wire, or any other suitable material, and is preferably made with openings or grate-like, so that the hot air of the oven may pass freely through it. It is provided with notches or other suitable catches, as shown at *a*, arranged close together around its edge, to facilitate its being turned from any position by an attendant or cook at the door of the oven without requiring the hand to be inserted in the oven to reach a handle or knob. The platform A is pivoted at its center by means of a bolt, *b*, to two cross-bars, B B, of a platform at their point of intersection, said bars being formed with a slight upward projection, *c*, at this point, to form a bearing for the platform. The cross-bars B B extend radially and support near their end an annular track, D, having in its upper surface a groove to receive a series of balls, E, which are in contact with and form an anti-friction bearing for the margin of the platform A, in which an annular plain portion, as shown at A′, should be left to slide smoothly upon said balls. At the ends of the bars B which project beyond the track D are attached wires *f f f f*, which may be passed through the oven-doors and rear and front walls, and fastened in any convenient manner, for the purpose of holding the cross base-bars in proper position; or they may simply bear against the sides of the oven, as shown.

Upon the top of the platform A is arranged a removable and replaceable flange or guard-rim, G, which is held in place by pins *g;* or it may be provided at its lower edge with pins or studs, to enter suitable holes formed to receive them in the platform. The purpose of this guard-rim is to prevent loose and light articles and such as are liable to roll from being cast off or shaken from the platform while it is in motion.

In using my improved oven turn-table the cross base-bars B are to be set upon the bottom plate of the oven, and the wires *f f f f* resting against the sides of the same, as before explained. When an oven-door is opened a portion of the periphery of the platform provided with the notches or catches is presented directly in front of the cook, who can by this means readily shift the platform to bring any article thereon to or from a hotter or cooler portion of the oven, or bring close to hand articles in a remote or opposite portion of the oven. The balls give the platform a very smooth, gliding motion, and are a much cheaper and more reliable anti-friction expedient than the pivoted wheels heretofore used to support

oven turn-tables. These balls may be made of cast-iron or any other suitable refractory material, a sufficient number being used to insure a level support of the platform.

What I claim is—

1. The combination, with the turn-table, of the removable and replaceable guard-rim, substantially as described.

2. In combination with the cross base-bars B, supporting the track D, the wires *f*, attached to said bars, substantially as and for the purpose set forth.

3. In an oven turn-table, the combination of the centrally-pivoted platform A, having notches at its edge, the grooved track D, and balls arranged in the groove of said track, so as to be in contact with the bottom of the platform, the bars B B, forming a base for said track, and the wires for holding said bars in position, substantially as described.

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

EGBERT L. MARANVILLE.

Witnesses:

GILBERT C. JOHNSON,

WAYNE BAILEY.