No. 736,301. PATENTED AUG. 11, 1903.

I. SANFORD.

REVOLVING GRATE FOR STOVE OVENS.

APPLICATION FILED SEPT. 15, 1902.

NO MODEL.

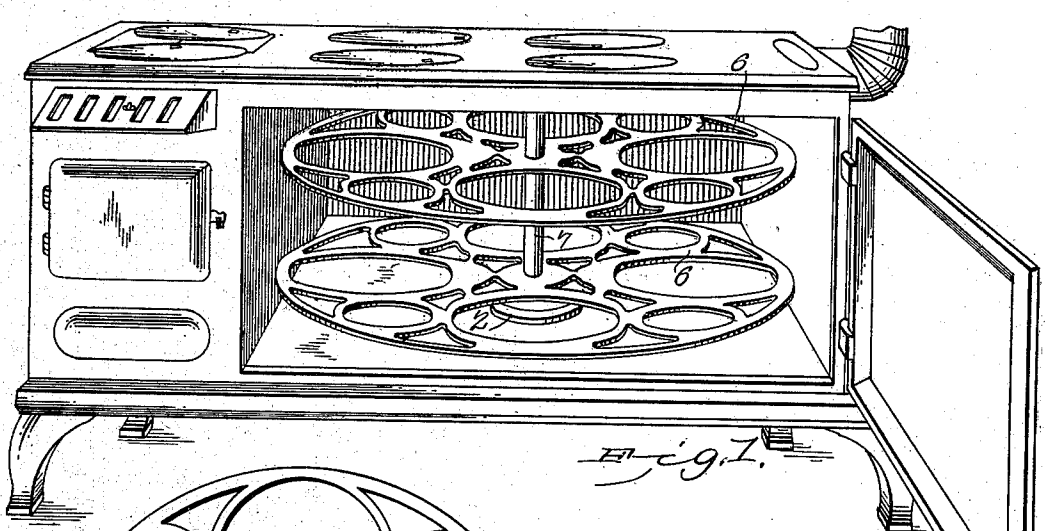


Fig. 1.

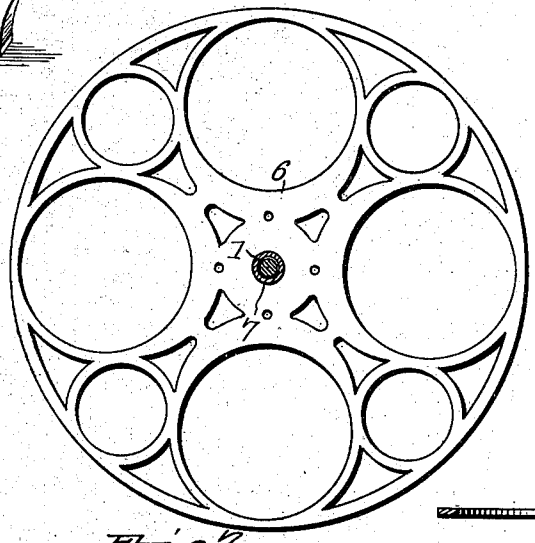


Fig. 2.

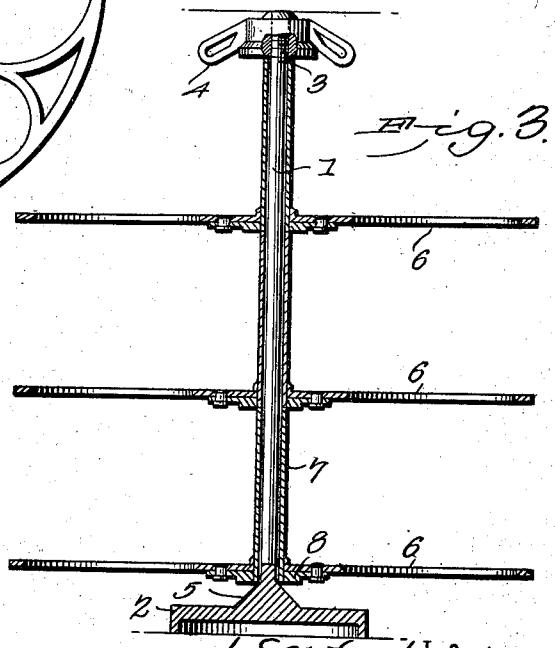


Fig. 3.

Witnesses
E. F. Stewart
T. J. Riley

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Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 736,301. Patented August 11, 1903.

UNITED STATES PATENT OFFICE.

ISAAC SANFORD, OF NAUGATUCK, CONNECTICUT, ASSIGNOR TO JENNIE L. MOORE AND HARVEY MOORE, OF NAUGATUCK, CONNECTICUT.

REVOLVING GRATE FOR STOVE-OVENS.

SPECIFICATION forming part of Letters Patent No. 736,301, dated August 11, 1903.

Application filed September 15, 1902. Serial No. 123,540. (No model.)

To all whom it may concern:

Be it known that I, ISAAC SANFORD, a citizen of the United States, residing at Naugatuck, in the county of New Haven and State of Connecticut, have invented a new and useful Revolving Grate for Stove-Ovens, of which the following is a specification.

The invention relates to a revolving grate for stove-ovens.

The object of the present invention is to improve the construction of grates for stove-ovens and to provide a simple, inexpensive, and efficient device adapted to be readily applied to the oven of an ordinary cooking-stove and capable of enabling the position of the contents thereof to be readily shifted or changed without removing the contents or any portion of the same from the oven.

A further object of the invention is to provide a device of this character adapted to increase the capacity of ovens by providing a series of rotary supports or grates for the reception of the articles to be cooked and capable of lessening the labor of cooking and of decreasing the expense by enabling a large number of dishes to be simultaneously cooked.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a stove provided with a rotary grate constructed in accordance with this invention. Fig. 2 is a horizontal sectional view. Fig. 3 is a vertical sectional view.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a vertical spindle provided at its lower end with a circular base 2 and having a threaded upper end 3 for the reception of a thumb-nut 4, which is adapted to engage the top of an oven, whereby the circular base is firmly held against the bottom of the same. The base is preferably hollow, as shown in Fig. 3; but it may be of any other desired construction, and it is provided at its upper face with a conical bearing portion 5, located at the lower end of the spindle 1. The spindle 1 is adapted to receive a plurality of rotary grates or supports 6, consisting of open disks provided with apertures, as illustrated in Figs. 1 and 2 of the drawings, to permit the passage of heat, and these rotary grates or supports may be made of any desired configuration, as will be readily apparent. Each rotary grate or support is provided with a tube 7, extending upward from the grate or support and passing through a central opening of the same and secured at its lower end to a plate 8. The plate 8 is arranged at the lower face of the grate or support and is riveted or otherwise secured to the same; but the tube, which may be of any desired length, can be formed integral with the grate or support, if desired. The vertical tube spaces the supports or weights from each other, and any desired number of rotary grates or supports may be used. In Fig. 1 of the drawings two rotary grates or supports are shown for convenience of illustration, but in practice three will preferably be employed, as illustrated in Fig. 3 of the drawings; but any desired number may be used to adapt the device to the character of the oven in which it is employed.

The device is readily mounted in an oven by simply adjusting the clamping-nut until the base and the said nut rigidly engage the top and bottom of the oven.

The rotary grates or supports are adapted to receive the articles to be cooked, and a number of different dishes may be simultaneously cooked, and the same may be readily shifted from one portion of the oven to another by simply rotating the disks or supports and without removing the contents of the oven or any portion of the same. This will greatly lessen the labor of cooking and will decrease the expense by permitting a larger number of articles to be simultaneously cooked and readily handled than heretofore.

It will be seen that the device is exceedingly simple and inexpensive in construction, that it is adapted to be readily applied to a stove, and that the rotary supports may be readily operated to shift the contents of the oven from one portion of the same to another part thereof.

What I claim is—

1. A stove attachment having a spindle provided with terminal bearing members for con-

tact respectively with the bottom and the top of a stove-oven, one of said members being adjustable relatively to the other to clamp the spindle in place, and a grate revolubly mounted on the spindle.

2. A device of the class described comprising a base, a spindle extending upward from the base, a plurality of rotary grates arranged on the spindle and provided with spacing-tubes, and means arranged at the upper end of the spindle for engaging the top of an oven, whereby the device is clamped therein, substantially as described.

3. In a device of the class described, the combination with a stove having an oven, of a base provided with an upwardly-extending thimble having a threaded upper end, a series of rotary grates arranged on the spindle, and a clamping-nut mounted on the threaded portion of the spindle and engaging the top of the oven, substantially as described.

4. A device of the class described comprising a base having a conical portion, a spindle extending upward therefrom, means mounted on the upper end of the spindle for engaging the top of an oven, a plurality of rotary grates or supports having apertures, and spacing-tubes extending through the apertures of the grates or supports and having plates secured to the lower face of the same, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ISAAC SANFORD.

Witnesses:

WALLACE H. CAMP,

Mrs. HARVEY MOORE.