April 23, 1929. F. E. SEELEY 1,710,433

ATTACHMENT FOR GAS RANGES

Filed Feb. 15, 1928 2 Sheets-Sheet 1

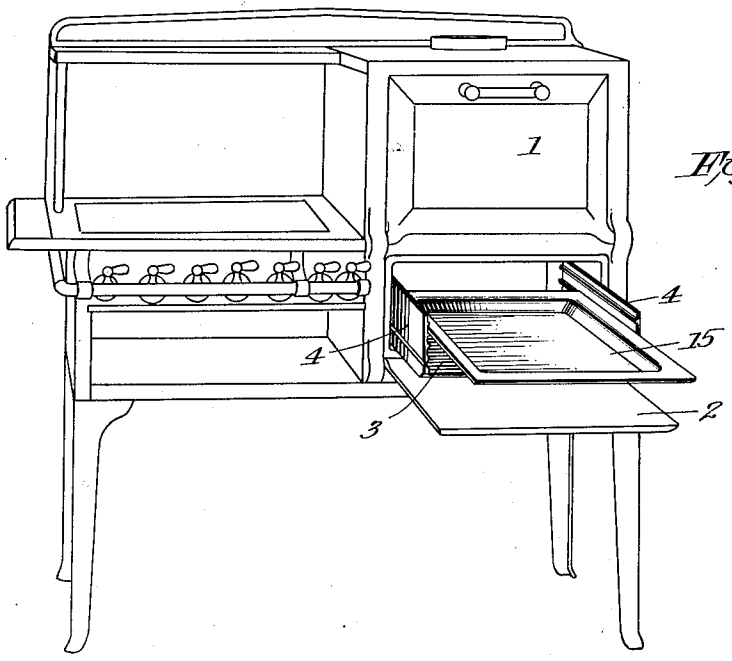
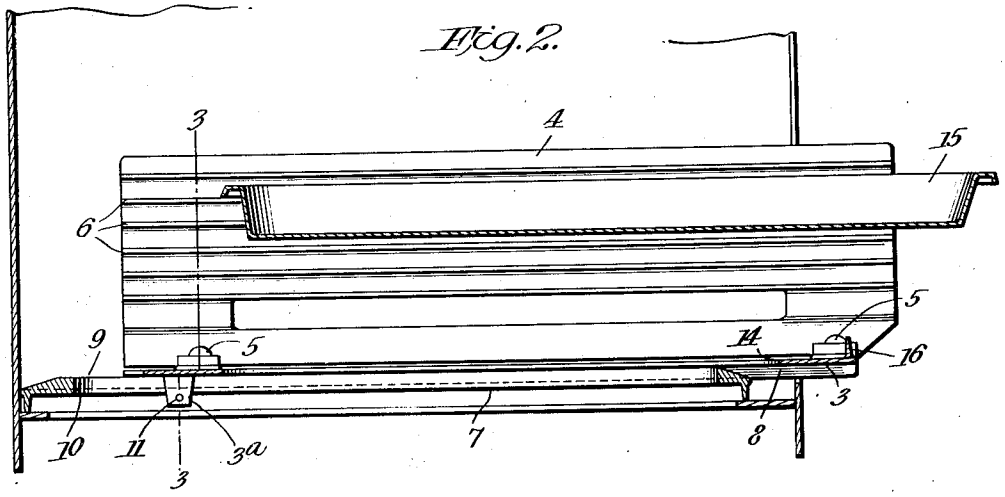


Fig. 1.

Fig. 2.



Inventor

Frank E. Seeley.

By Cushman Bryant & Barber

Attorneys

April 23, 1929. F. E. SEELEY 1,710,433

ATTACHMENT FOR GAS RANGES

Filed Feb. 15, 1928 2 Sheets-Sheet 2

Fig. 3.

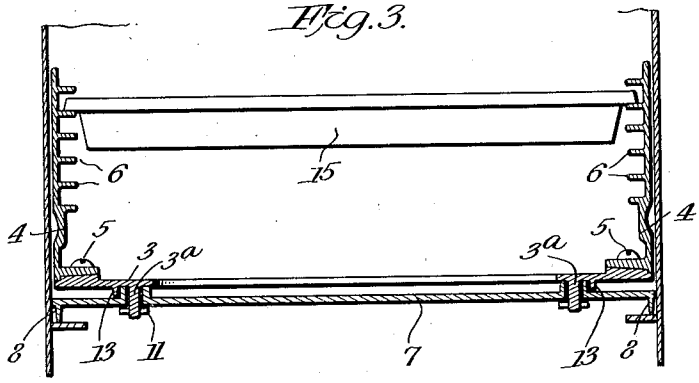


Fig. 4.

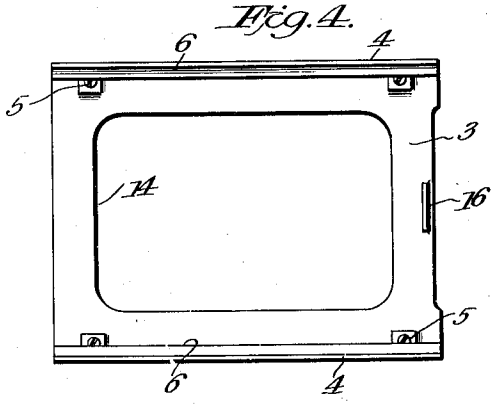
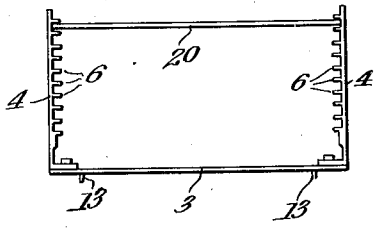


Fig. 5.



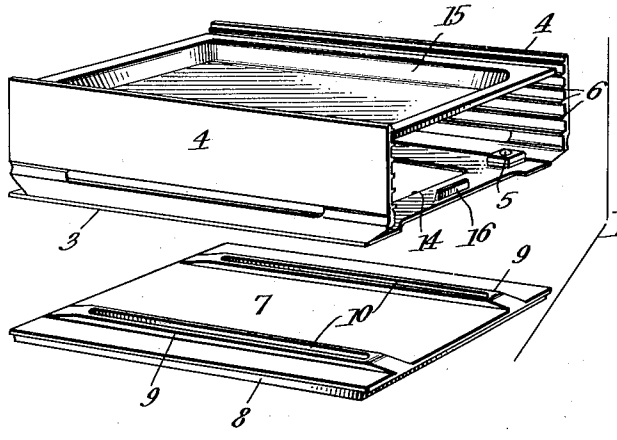


Fig. 6.

Inventor

Frank E. Seeley.

By Cushman Bryant & Darby

Attorneys

Patented Apr. 23, 1929. 1,710,433

UNITED STATES PATENT OFFICE.

FRANK E. SEELEY, OF PORT CHESTER, NEW YORK, ASSIGNOR TO ABENDROTH BROTHERS, OF PORT CHESTER, NEW YORK, A CORPORATION OF NEW YORK.

ATTACHMENT FOR GAS RANGES.

Application filed February 15, 1928. Serial No. 254,456.

The present invention relates to improvements in attachments for gas ranges and particularly to a means for supporting pans or similar articles within gas range ovens.

As commonly constructed, the opposite walls of gas range ovens are generally provided with rib-like supports to receive pans while the contents are being roasted, baked or broiled. In order to inspect and determine the condition of the meat or other article of food in such pans, it is customary to withdraw the pan through the front of the oven and this operation is frequently quite difficult owing to the lack of support for the pan when partially withdrawn. Great care is necessary to avoid spilling the contents of the pan or burning the cook during such inspections.

One of the objects of the present invention is to provide means for supporting pan-like receptacles within the oven of a gas range which will enable the pan to be maintained in a horizontal position when partially withdrawn from the oven without special care or attention from the cook.

With this and other ends in view, the invention consists in the construction and arrangement of parts that will be hereinafter more particularly described, reference being had to the accompanying drawings.

In the drawings

Figure 1 is an elevation of a gas range having an embodiment of the present invention applied thereto.

Figure 2 is a vertical sectional view through the lower oven of the range of Figure 1, on an enlarged scale.

Figure 3 is a transverse section substantially on the line 3—3 of Figure 2.

Figure 4 is a plan of the pan supporting frame detached.

Figure 5 is a transverse section, substantially like 3 on a smaller scale, illustrating a slight modification, and

Figure 6 is a perspective of the attachment removed from the range and with its parts in separated relation.

Referring to the drawings, in the several figures of which like reference characters designate corresponding parts, the embodiment of the invention illustrated is shown as applied to a gas range of the ordinary construction and which is more or less conventionally illustrated in Figure 1.

Such ranges commonly include two superposed oven chambers closed respectively by doors 1, 2.

The attachment which constitutes the present invention may be made in various sizes and used in either the top or bottom oven of a range. As shown, the attachment is positioned within the lower oven, the opening to which may be closed by the door 2. Such attachment comprises a pan supporting frame formed of a bottom frame member 3 and upright side members 4 which are suitably secured to and extend upward from the marginal edges of the bottom frame member 3. The parts 3, 4 may be of relatively light sheet or cast metal and, as shown, the side and bottom members are connected by screws 5 so that they form a rigid frame. The inner, opposed, faces of the side frame members 4 are provided with a plurality of vertically spaced pan supports 6, which may be in the form of ribs extending lengthwise of the members.

The pan supporting frame above described is supported by and suitably connected with a base member 7. This base is of substantially the size of the oven chamber with which the attachment is to be used. In the particular embodiment of the invention illustrated, the base is provided with a depending marginal flange 8 and on its upper surface are formed two longitudinally extending ribs or guide members 9, each of which has formed therein a longitudinally extending slot 10.

The bottom frame member 3 has depending lugs 3^a which extend through the slots 10 in the ribs on the base 7 and permit of the frame being moved, longitudinally, or in the direction of the length of the slots 10, relative to the base.

Any suitable means, such as pins 11 passing through the portions of the lugs 3^a extending below the top of the base 7, are provided for preventing disengagement of the frame and base. These pins do not interfere with the free relative movement between the pan supporting frame and base above referred to, but insure that the frame cannot be disconnected from the base by tilting of the latter when it is partially withdrawn from an oven.

As shown, the bottom frame member 3 is also provided with depending ribs or lugs 13 which cooperate with the ribs 9 on the base to maintain the frame in proper alignment and insure that the movement thereof

relative to the base will be a straight line movement.

Preferably, in order to reduce the weight of the attachment, the bottom frame member 3 is provided with an aperture 14, or is in the form of a rectangular open frame to which the sides 4 are secured, as before described.

15 designates the pan-like receptacle for the article to be cooked, which is supported in the usual manner by its marginal rim engaging the supports 6 provided on the supporting frame.

As shown in Figure 3, the base 7 is of such size and so supported that the upper surfaces of the guiding ribs 9 are at substantially the same elevation above the bottom of the oven as the lower rim of the opening in the front wall, adapted to be closed by the door 2, so that the pan supporting frame and pan mounted therein, can, as shown in Figures 1 and 2 be withdrawn from the oven when the door has been suitably opened. To assist in such outward movement of the pan support, the front cross bar of the bottom member 3 is provided with a suitable hand piece 16. Although the base 7 is sufficiently heavy to prevent tipping of the pan support when the latter is withdrawn from the oven sufficiently to permit ready inspection of the contents of the pan 15, which latter, of course, may also be moved longitudinally of the supports 6, as indicated in Figures 1 and 2, said base and the pan supports 3, 4 are not excessively heavy and can be readily withdrawn from or placed in position within the oven as a unit without requiring the disconnection of any means normally attaching it to the bottom or walls of the oven or acting to maintain the base or frame in the oven.

In event that the side members 4 of the pan supporting frame are relatively high so that there would be a possibility of their being warped out of alignment by heat within the oven, they may be connected by a brace 20 as represented in Figure 5.

It is believed that the operation and advantages of the invention will be readily understood from the foregoing description in connection with the drawings. The latter are to a considerable degree more or less diagrammatic and, of course, it is understood that there can be variations in the proportions and details of some of the parts without departing from the invention.

As described, the base 7 of the attachment constitutes the bottom of the oven; but, of course, if desired, the oven may have an independent bottom. That is the attachment constituting the invention may be used with ovens having either a bottom or merely having marginal flange-like supports at its lower end as herein shown.

Having thus described my invention, what I claim is:

1. The herein described attachment for a cook stove oven comprising a base, a frame including a bottom and side members connected to and rising from opposite edges of the bottom and provided on their opposed, inner, faces with a plurality of vertically spaced pan supports, and a pin and slot connection between said frame and base permitting movement of the frame relative to the base in the direction of the length of the side members of the frame.

2. The herein described attachment for a gas range oven comprising a base provided with depending supporting means, a frame including a bottom member and side members rising from opposite edges of the bottom member and provided on their opposed, inner, faces with a plurality of vertically spaced pan supports, a lug depending from the bottom frame member and extending through a slot formed in the body of the base and extending parallel to the length of the side members of the frame, and means cooperating with the lug for normally preventing separation of the base and frame without interfering with relative movement between them, as and for the purpose specified.

3. The herein described attachment for a gas range oven comprising a base provided with depending supporting means and having on its upper face parallel ribs each having a slot formed therein and extending longitudinally thereof, a frame including a bottom member and side members connected to and rising from the bottom member, said side frame members extending substantially parallel to the ribs on the base and being provided on their opposed, inner, faces with a plurality of vertically spaced pan supports, lugs depending from the bottom member of the frame and extending into the slots in the ribs on the base, and means engaging said lugs adjacent their free ends, preventing their being withdrawn from said slots without interfering movement of the lugs in the slots, for the purpose described, and said base and frame being movable as a unit into and from an oven.

4. The herein described attachment for a cook stove oven comprising a base adapted to constitute a bottom for an oven, a frame including a bottom member and side members rising from said bottom member and provided on their opposed, inner, faces with a plurality of vertically spaced pan supports, the body of said base having formed therein a slot extending substantially parallel to the length of the said side frame members, and a depending projection on the bottom frame member extending into and freely movable in said slot.

In testimony whereof I have hereunto set my hand,

FRANK E. SEELEY.