

Sept. 27, 1932.

W. D. ANTRIM

1,879,010

WAFFLE COOKING STOVE

Filed April 7, 1931

2 Sheets-Sheet 1

Fig. 1.

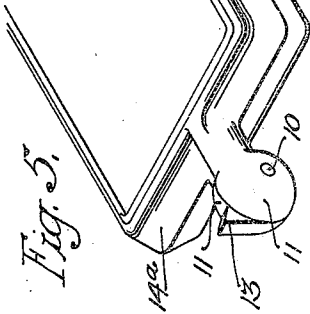
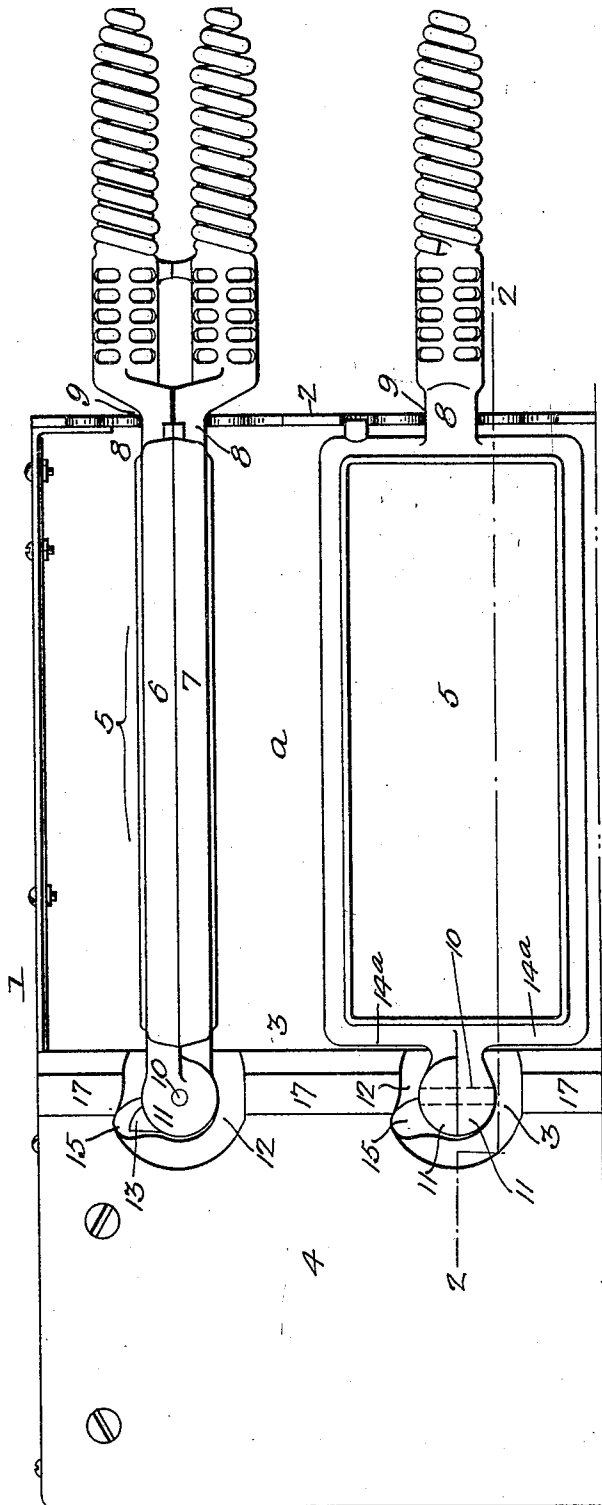


Fig. 5.

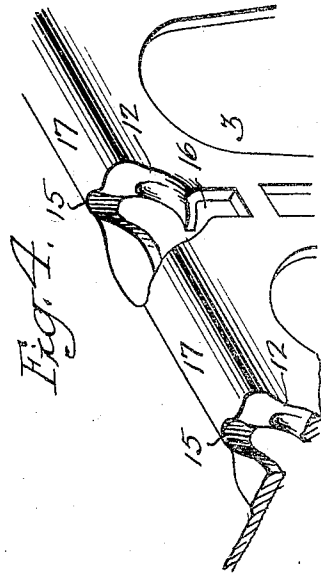


Fig. 4.

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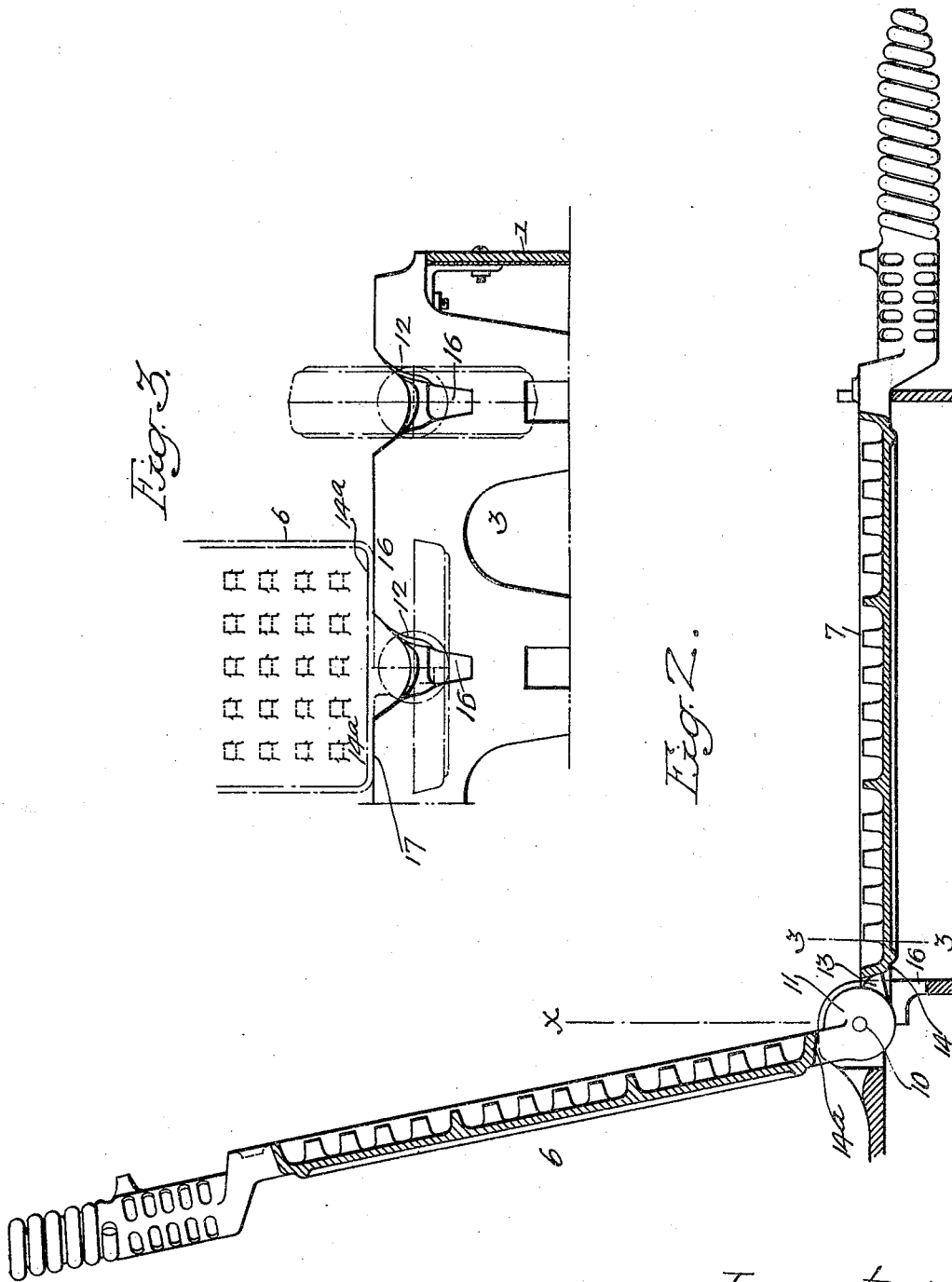
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# UNITED STATES PATENT OFFICE

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## WAFFLE COOKING STOVE

Application filed April 7, 1931. Serial No. 528,365.

This invention relates to certain improvements in waffle cooking stoves, particularly of the type used in restaurants and at lunch counters, in which a series of waffle irons is located side-by-side over a series of gas or other burners, but it will be understood that a single stove and waffle iron may be used without departing from the essential features of the invention.

One object of the invention is to so construct the waffle iron and the support that when one-half of the waffle iron is raised, it will rest upon a flat surface which will prevent to a certain extent the tilting of either section of the waffle iron so that there will be no danger of the waffle iron turning when the waffles are being removed from the iron or the batter poured thereon.

A further object of the invention is to provide means for holding the raised section of the waffle iron slightly back of a vertical line, so as to retain the raised section in position.

A still further object of the invention is to so construct the rear support for the iron that the iron can be turned without interference, but as soon as one section of the iron is raised it will lock both sections from tilting.

In the accompanying drawings:

Fig. 1 is a plan view of sufficient of a waffle cooking stove to illustrate my invention, one iron being in the cooking position and the other iron being turned to a mid-position;

Fig. 2 is a sectional view on the line 2—2, Fig. 1;

Fig. 3 is a sectional view on the line 3—3, Fig. 2; the waffle iron being shown in dotted lines;

Fig. 4 is a detached perspective view of the rear bearing for one of the waffle irons, showing the socket; and

Fig. 5 is a view of the rear portion of one of the waffle irons showing the ball which is adapted to the socket shown in Fig. 4.

In the present instance, 1 is the frame of a gas cooking stove, especially designed for cooking waffles. 2 is the front plate. 3 is the rear plate and 4 a top plate located back

of the rear plate. The space "a" between the front and back plate is open and under this space are the gas burners for heating the waffle irons. 5 are the waffle irons. In Fig. 1 of the drawings I have shown two irons arranged side-by-side, but it will be understood that a stove may be equipped with only one iron or a series of irons, depending upon the equipment desired. Each iron is made in two parts or sections 6 and 7. Each part has a half of a trunnion 8. When the irons are closed, as in Fig. 1, the trunnions rest in a bearing 9 of the front frame 2. The two parts 6 and 7 of each iron are connected at the rear end by a pivot pin 10, so that one section of the iron can be raised to allow access to the interior of the iron as shown in Fig. 2. Each section of the iron has a trunnion in the form of a hemisphere, so that when the two sections are secured together by the pivot pin 10, the two hemispheres will form a complete ball which rests in a socket 12 in the rear plate 3. The lower iron shown in Fig. 1 is in the cooking position, both sections being closed. The upper iron shown in said figure is in the mid position in the act of being turned, so as to reverse the iron.

On one of the hemispherical sections of the ball is a lug 13, which acts as a stop to limit the movement of the top section of the iron when in the raised position, as shown in Fig. 2. The lug in this position strikes the rear end 14 of the lower iron, if the section 6, having the lug thereon, is raised. If the section 7 is the top section, the lug will be in position so that the top section will strike the lug and retain it also in the raised position past the vertical center line "X," Fig. 2. In order to allow clearance for the lug, the bearing is slotted at one side as at 15, and is also slotted in the bottom as at 16. The top of the rear plate 3 is raised and has flat surfaces 17. These flat surfaces are extended on either side of the socket 12, so as to form a broad support for the raised section of the iron, as shown in Fig. 3, so as to prevent the irons being tilted laterally when in the open position. As the rear surface 14a of the iron on each side of the ball rests upon these elevated surfaces 17, the iron is held sufficiently

rigid to allow the batter to be placed in the lower section of the iron and a waffle to be removed from the iron when cooked.

I claim:

- 5 1. The combination in a waffle iron made in two sections, of a front and rear support for the iron, the rear support being in the form of a socket, each section of the iron having a rear extension in the form of a hemisphere and forming, when connected, a  
10 ball which is adapted to the socket; a pivot pin extending through both extensions; and a lug on one of said extensions of the sections arranged to come in contact with the rear end  
15 of the other section when one of said sections is raised, the socket having slots at right angles to each other, so as to allow clearance for the lug when the iron is turned and when one section is raised.
- 20 2. The combination in a waffle cooking stove, of a rectangular waffle iron made in two sections, each section having a centrally located pivot extension at the rear, each section of the iron having laterally extended  
25 surfaces; a front support for the iron; a rear support having a socket therein for the pivot extension, the rear support having a flat surface at each side of the socket, so that when one of the sections of the iron is raised the  
30 rear surface of said section will rest upon the flat surface of the rear support at each side of the pivot, preventing the accidental lateral tilting of the iron.

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