Nov. 27, 1923 **1,475,466**

G. D. WILKINSON

GAS COOKING TOP

Filed April 15, 1922

Fig. 1.

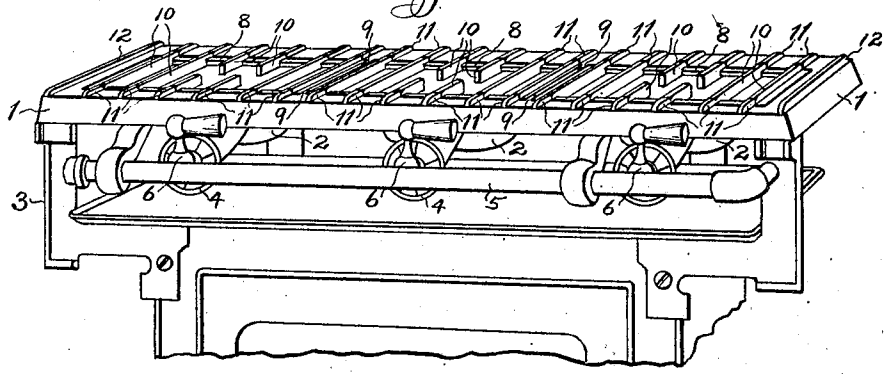


Fig. 2.

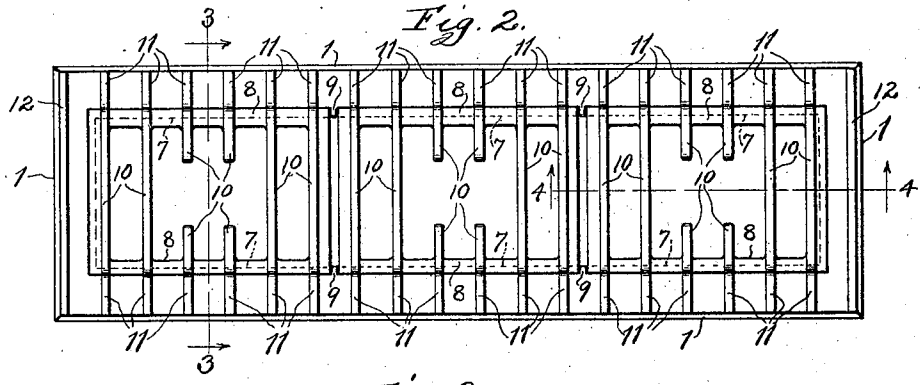


Fig. 3.

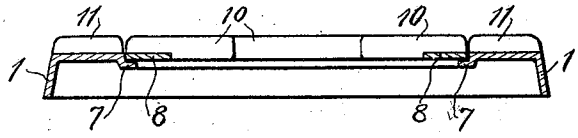
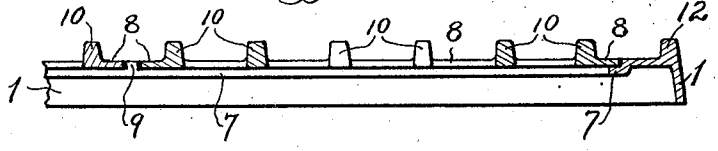


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE D. WILKINSON, OF OAK PARK, ILLINOIS, ASSIGNOR TO CRIBBEN & SEXTON COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

GAS COOKING TOP.

Application filed April 15, 1922. Serial No. 553,239.

To all whom it may concern:

Be it known that I, GEORGE D. WILKINSON, a citizen of the United States, residing at Oak Park, in the county of Cook and State of Illinois, having invented certain new and useful Improvements in Gas Cooking Tops, do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings.

The invention relates to gas cooking-tops, and consists in the matters hereinafter described and then pointed out in the appended claim.

In the accompanying drawings which illustrate my invention, Fig. 1 is a front perspective view of a gas cooking-top containing my invention, parts being broken away;

Fig. 2 is a top plan view of the cooking-top of Fig. 1, the burners and other parts being omitted;

Fig. 3 is a cross-sectional view on the line 3—3 in Fig. 2, and

Fig. 4 is a detail longitudinal sectional view on the line 4—4 of Fig. 2.

In the drawings the reference numeral 1 designates an open-top cast-metal frame suitably supported above the plane of the associated gas-burners 2 of a range or hot-plate generally designated at 3; in the form shown the frame 1 is arranged above a conventional burner-box of a gas range with the supply pipes of the burners extending out through the open front of the box to register their secondary-air mixers 4 with the gas-jets leading from the gas-manifold 5 and controlled by suitable gas-valves 6. The top frame 1 may be of any suitable size and contour depending upon the number and arrangement of the gas-burners employed, and is provided with inwardly extending depressed flanges 7 to support the frames 8 of the open grates or grids above the plane of the burners. In the form shown three burners are employed, and preferably individual grids are employed, the front and rear bars of the frame 1 being formed with integral lugs 9 located on the flanges 7 and flush with the top of the frame 1 and arranged in opposite pairs disposed in lines above the spaces between the burners to properly space apart the adjacent grids and prevent their displacement along the frame.

In practice the ribs or bars 10 of the grids extend above the top of the open-frame 1 in order to allow air to pass between the frame and the vessel on the ribs of the grid and flow above the burner to the upper portion of the flame zone to ensure complete combustion of the gas. When the vessel is larger than the seat afforded by the ribs or bars 10 or is not substantially centered thereon it is liable to tip, and in order to obviate this objection the top surface of the frame 1 is provided with integral ribs 11, preferably arranged in line with the bars 10 of the grids. The ribs 11 extend above the frame 1 to the same height as the outer ends of the bars 10 to form extensions thereof. By this arrangement the seat for the vessel is extended across the top casting 1, and the liability of the vessel to tip is obviated. Also, I provide end ribs 12 extending across the frame 1 at its opposite ends and of the same height as the intermediate ribs 11 to extend the seat for the vessel uniformly to the end margins of the frame.

I claim:

A gas cooking-top comprising an open-top frame suitably supported above the associated burners and having inwardly extending depressed flanges, opposite lugs on the flanges flush with the top of the frame, grids supported on the flanges adjacent the lugs and having their bars extending above the top of the frame, ribs on the top of the frame in extension of the ends of the bars of the grids, and transverse ribs on the ends of the frame flush with the intermediate ribs.

In testimony whereof I affix my signature.

GEORGE D. WILKINSON.