April 20, 1954 G. VAN HELDEN 2,675,796

WALL SUPPORTED GAS COOKER

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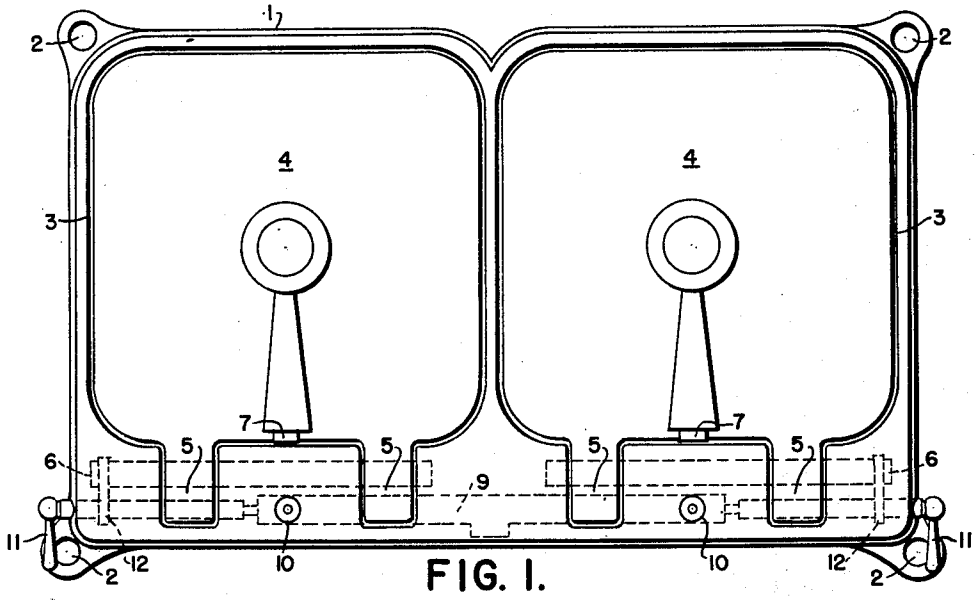


FIG. 1.

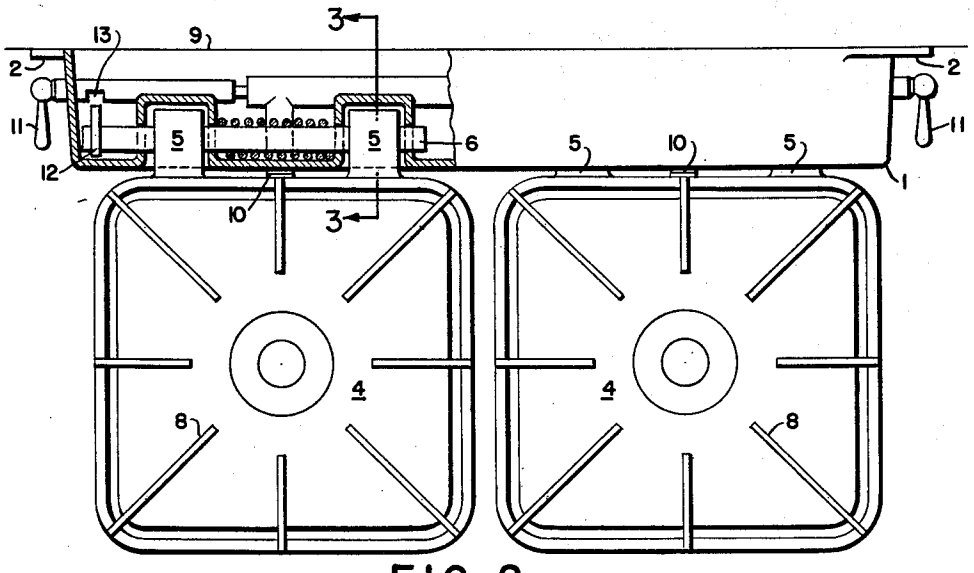


FIG. 2.

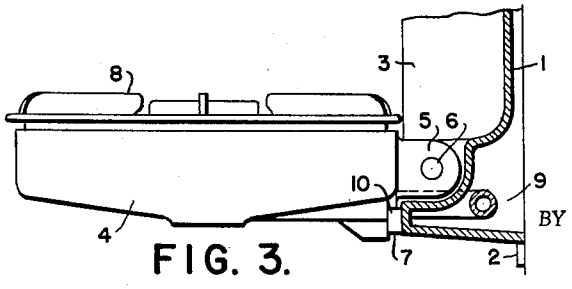


FIG. 3.

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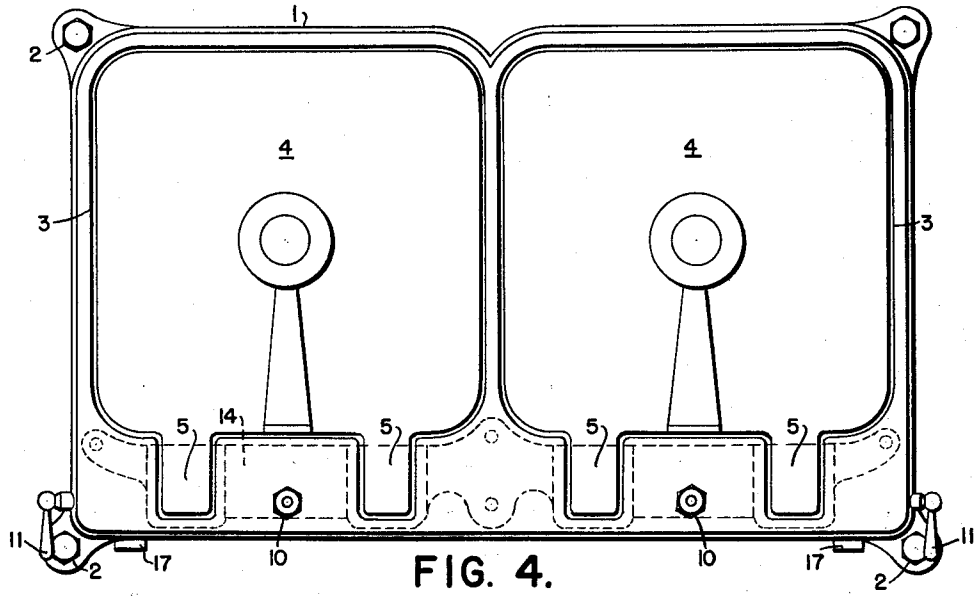


FIG. 4.

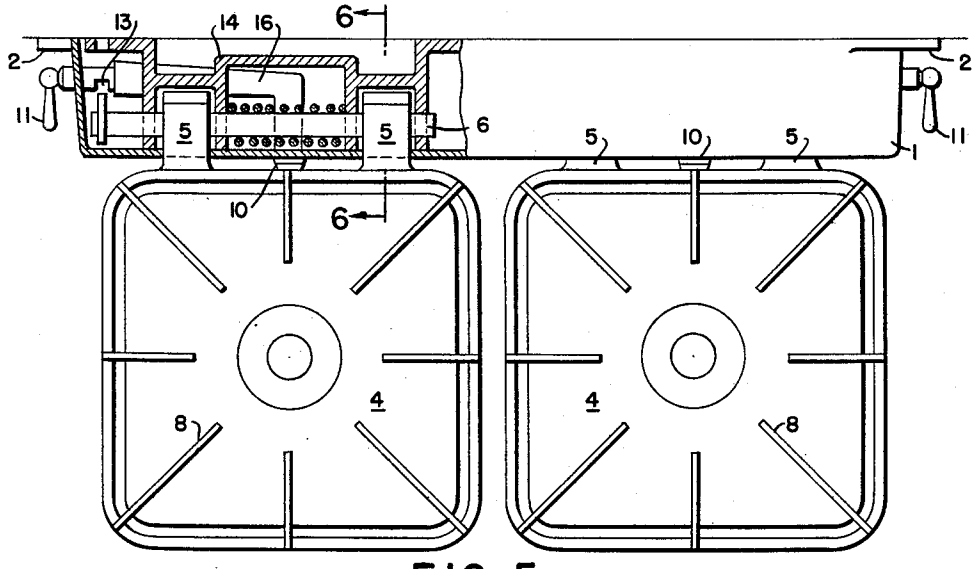


FIG. 5.

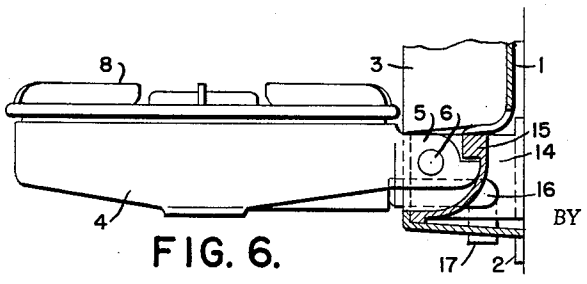


FIG. 6.

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Patented Apr. 20, 1954 2,675,796

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2,675,796

WALL SUPPORTED GAS COOKER

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Application February 21, 1949, Serial No. 77,639

3 Claims. (Cl. 126—37)

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This invention relates to gas or electric cooking units, and more particularly to improvements in the mounting of such units on a vertical wall surface.

It is an object of this invention to provide a cooking unit wall mounting construction which permits a cooking plate to be supported for use in a horizontal position, and which permits the plate to be supported in a vertical position for storage.

It is an object of this invention to provide a cooking unit wall mounting construction which includes a wall plate adapted to conceal the unit supporting member and adapted to receive the cooking plate for storage.

It is a further object of this invention to provide a cooking unit for wall mounting and provided with a relatively light weight wall plate of molded or shaped sheet material easily cleaned.

Other objects and advantages of this invention will be apparent from consideration of the accompanying drawings and the following description of the preferred embodiments shown therein. Referring to the drawings for the purposes of illustration:

Figure 1 is an elevational view of a two-burner cooking unit in the non-cooking or storage position.

Figure 2 is a plan view, partly in section, of the unit shown in Figure 1 open to the cooking position.

Figure 3 is a vertical view, partly in section, on line III—III of Figure 2.

Figure 4 is an elevational view of a two-burner cooking unit similar to that shown in Figure 1, but provided with a modified form of support shown in dotted lines.

Figure 5 is a plan view, partly in section, of the unit shown in Figure 4 open to the cooking position.

Figure 6 is a vertical view, partly in section, on line VI—VI of Figure 5.

In the construction shown in Figures 1–3, a wall plate 1 is secured to a vertical wall by means of four screws 2. The plate 1 is provided with recesses 3 in the outer face thereof to receive the cooking plates 4. The plates 4 are pivotally supported by lugs 5 engaging a horizontal shaft 6 rotatably mounted in the wall plate 1. Each cooking plate 4 is provided with an adjustable stop 7 which engages the wall plate 1 when the cooking plate is in the horizontal position for cooking.

Each cooking plate 4 is provided with the usual grate 8 and with a burner supplied with

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fuel from a pipe 9 connected to a nozzle 10 on the wall plate 1. The fuel connection is effected only when the cooking plate 4 is in the horizontal cooking position. The pipe 9 is provided with a valve handle 11 at each end to control the flow of fuel to the adjacent cooking plate 4.

In order to assure that the fuel valve is closed when a cooking plate 4 is swung upwards to the vertical storage position, the support shaft 6 is provided with a projection 12 which cooperates with a notch 13 in the valve control rod to prevent the plate from being swung upward unless the valve is closed. The projection 12 may be such as to positively close the fuel valve when the cooking plate 4 is swung upwards.

In the construction shown in Figures 4–6, the general details are the same as described for the construction of Figures 1–3, excepting that the horizontal shaft 6 is supported by a bracket member 14 attached to the wall separate from the wall plate 1. The lug 5 of the cooking plate 4 in the Figures 4–6 construction is provided with a projection for engaging the shoulder 15 of the bracket 14 in the horizontal position of the cooking plate. The bracket 14 may include a conduit 16 formed therein for supplying gaseous fuel to the nozzle 10. The supply of fuel may be controlled by a valve handle 11, and projection 12 and notch 13, as described above in connection with Figures 1–3. The conduits 16 may be connected to a fuel supply at connections 17.

In the Figures 4–6 construction, the wall plate 1 extends between the bracket member 14 and the cooking plate 4, and is provided with a recess facing the wall to receive the wall bracket 14 and the shafts 6. The wall plate 1 is also provided with recesses in its outer face to receive the cooking plates in their vertical storage position. The wall plate 1 is supported independently of the bracket 14 and is not required to support any of the weight of the cooking plates or the weight of cooking utensils placed on the cooking plates. The bracket 14 and pivot shaft 6 are therefore covered and concealed, and hence are protected from splattered food or grease which is intercepted by the intervening wall plate. The wall plate 1, bearing no weight, may be made of molded or shaped sheet material, such as procelain or plastic, and may be easily wiper clean. The entire cooking unit and its support are easily maintained in a sanitary condition.

It is to be understood that the present invention is applicable not only to gas burning cook-

ing plates as illustrated, but also to electrically heated cooking plates.

What I claim is:

1. A cooking unit adapted to be supported on a vertical wall surface, said unit comprising in combination, a cooking plate, a supporting lug on one edge of said plate, a bracket member adapted to be secured directly to said wall surface, a horizontal shaft carried by said bracket member and engaged by said supporting lug for pivotally supporting said cooking plate from said bracket member in a horizontal position for cooking and in a vertical position for storage, and a wall plate adapted to be secured to said wall surface independent of said bracket and shaft, said wall plate being of sheet material covering said shaft and bracket member and extending between said bracket member and said cooking plate and having a recess in the wall side thereof to receive said shaft and bracket member and having a recess in the outer side thereof to receive said cooking plate in said vertical position of said cooking plate.

2. A cooking unit as defined in claim 1 including a fuel supply conduit carried by said bracket member and having an outlet projecting through

said wall plate, and a fuel connection carried by said cooking plate engaging said supply conduit outlet in the horizontal position of said cooking plate and disengaged from said outlet in the vertical position of said cooking plate.

3. In a cooking unit construction adapted to pivotally support a cooking plate on a bracket member mounted on a vertical wall surface, a wall plate adapted to be secured to said wall surface independent of said bracket, said wall plate being of shaped sheet material having a recess in the wall side thereof to receive and cover said bracket member and having a recess in the outer side thereof to receive said cooking plate in the vertical position of said plate.

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