E. S. ALLEN.

KITCHENETTE STOVE.

APPLICATION FILED DEC. 3, 1909.

999,622.

Patented Aug. 1, 1911.

Fig. 1.

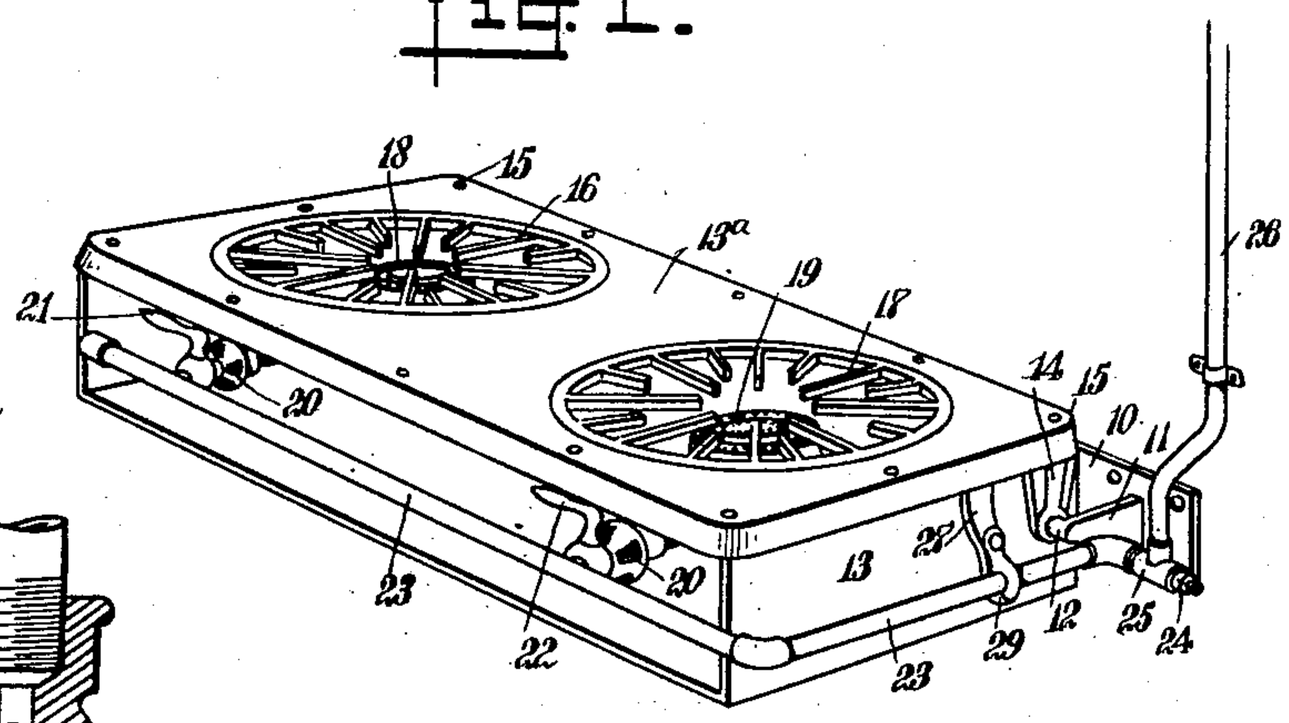


Fig. 6.

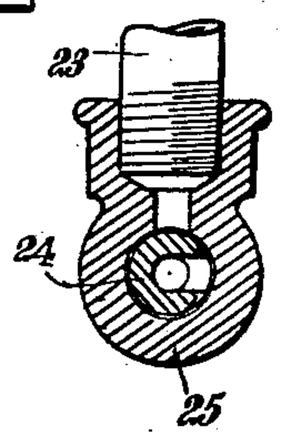


Fig. 2.

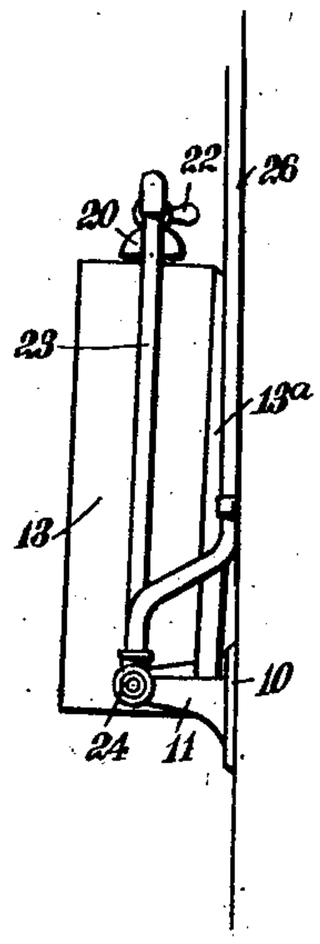


Fig. 3.

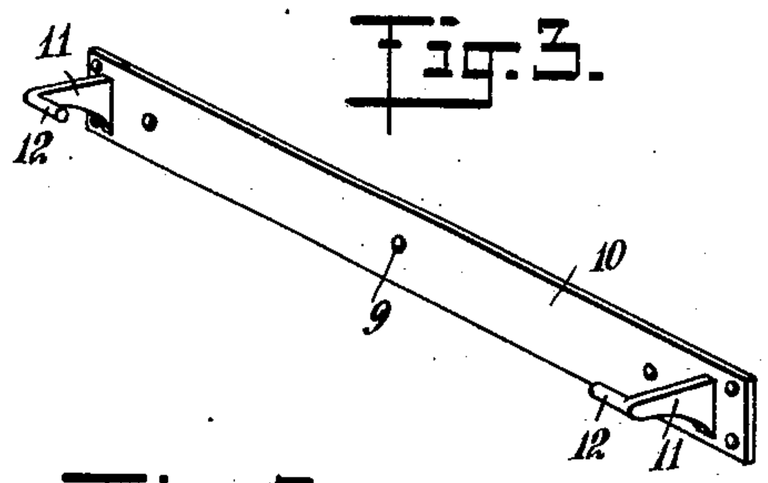


Fig. 4.

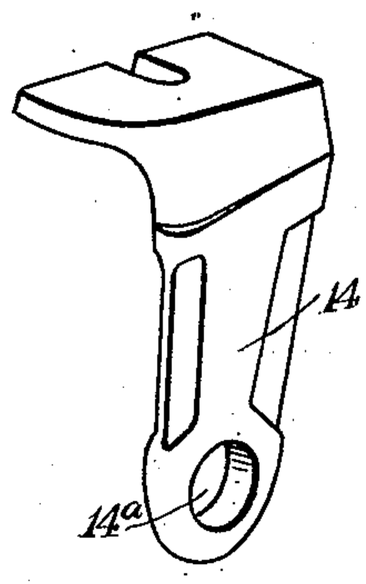


Fig. 5.

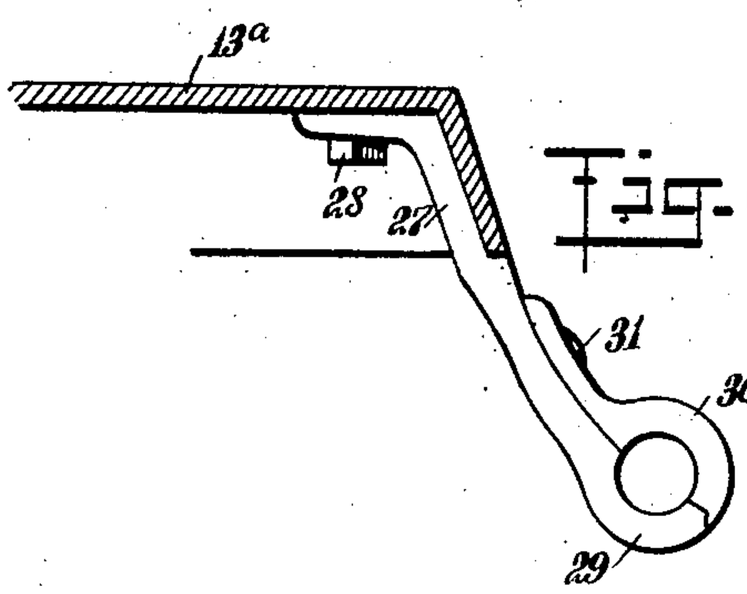
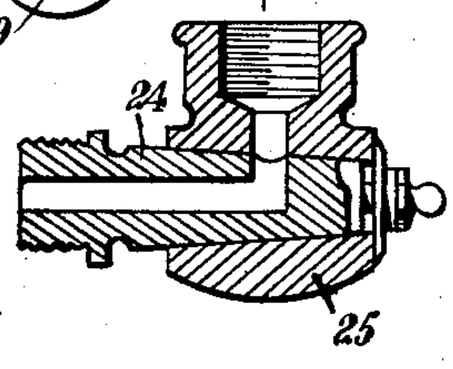


Fig. 6.



WITNESSES

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KITCHENETTE-STOVE.

999,622. Specification of Letters Patent. **Patented Aug. 1, 1911.**

Application filed December 3, 1909. Serial No. 531,249.

To all whom it may concern:

Be it known that I, EUGENE S. ALLEN, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Kitchenette-Stove, of which the following is a full, clear, and exact description.

My invention relates to kitchenette stoves, my more particular purpose being to provide a type of such stove adapted to burn gas, and also to tilt, and so arranged that when the stove is tilted upon its edge or into an abnormal position, the flow of gas ceases; whereas, if the stove is lowered upon its side, or in other words, rendered horizontal, the flow of gas is automatically turned on by this movement.

More particularly stated, I mount a kitchenette stove upon journals or bearings and provide it with gas from a gas pipe section, this gas pipe section being provided with a valve fitting into a stationary fixture to which gas is supplied; the arrangement being such that when the stove is tilted into either of its two positions the gas is turned on or off by the action of the valve.

My invention further relates to various details of construction whereby the foregoing objects and others are carried out.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective showing one form of my kitchenette stove in use, the parts in this instance occupying such position that the gas is turned on; Fig. 2 is a side elevation showing the kitchenette stove as it appears when occupying its abnormal position, the flow of gas being, by virtue of said position, now turned off; Fig. 3 is a detail showing in perspective a wall plate provided with arms upon which the stove is journaled; Fig. 4 is a detail showing one of the brackets whereby the stove is journaled; Fig. 5 is a detail showing a bracket for supporting the pipe section carried by the stove; Fig. 6 is a sectional view of the valve open, as when the kitchenette stove is in the position shown in Fig. 1; Fig. 6ª is a sectional view of the valve closed, as when the kitchenette stove is in the position shown in Fig. 2.

A wall plate 10 is mounted in position by aid of fastenings 9 and is provided with arms 11, the latter being provided with stub shafts 12, the stub shafts, arms and wall plate being integral with each other.

At 13 is a kitchenette stove having generally a box-like form and provided with a top plate 13ª. This top plate has rounded corners 15 and extending into these corners and connected rigidly with the top plate 13ª are brackets 14 which are provided with bearings 14ª encircling the stub shafts 12, thereby enabling the stove 13 to swing upon the stub shafts 12 as centers. The brackets 14 are of such length that the stub shafts 12 are located about midway between the top and bottom of the stove 13, as will be understood from Fig. 1.

The top plate 13ª is fitted with circular grids 16, 17, and disposed adjacent to the latter are burners 18, 19. Connected with these burners are dampers 20 for regulating the supply of air to the burners, and hand valves 21, 22 for controlling the supply of gas to the burners. These hand valves 21, 22 are connected with a pipe section 23, by aid of which the gas is supplied to the burners.

At 24 is a valve plug which is revolubly fitted in a valve casing 25, the latter being connected with the lower end of a gas pipe 26.

A bracket 27 (see Fig. 5) is by aid of a bolt 28 connected with the top plate 13ª and is provided with an eye 29. A portion 30 of this eye is separated from the main body thereof and is secured in position by aid of a bolt 31. The eye 29 encircles the pipe section 23 and supports and braces the same so as to hold the same rigidly in relation to the top of plate 13ª and to maintain this pipe section at a predetermined distance from the top plate 13ª.

The axial center of the valve plug 24 is in alinement with the axial center of the stub shafts 12, so that as the stove is tilted the valve plug 24 virtually turns upon the same axial center as the other movable parts. The valve plug 24 being rigid relatively to the body portion 13 of the stove and turning therewith, permits the flow of gas to take place when the body portion of the stove is in the position indicated in Fig. 1, and when the stove is tilted upon its edge as indicated in Fig. 2 the gas is unable to find its way through the plug 24, as will be understood from Fig. 6ª.

The operation of my device is as follows:

When the stove is to be used, the operator merely turns the body portion of the stove upon its edge or upon its side, as the case may be, in order to stop or start the flow of gas, as above described. Then, by manipulating the hand valves 21, 22, the precise flow of gas may be regulated at will. Of course, the hand valves may be closed before turning the stove down into its normal or horizontal position, and in this event, while the gas will be turned on to the extent that it is available when wanted, it is not ready for use until the hand valves are operated, at the will of the operator, for the purpose of starting the flow of gas.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

The combination of a kitchenette stove having a body portion and a top plate, brackets secured rigidly to said top plate and provided with eyes, a wall plate provided with arms and with stub shafts, said stub shafts extending through said eyes to enable said stove to turn upon said stub shafts as centers, a supporting member mounted upon said top plate, a pipe section supported by said supporting member, burner mechanism carried by said stove and connected with said pipe section, a revoluble valve member connected with said pipe section and disposed in axial alinement with said stub shafts, a stationary valve member engaging said revoluble valve member, and a gas pipe connected with said stationary valve member for supplying gas to said revoluble valve member and said pipe section to said burners.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EUGENE STRONG ALLEN.

Witnesses:
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ARCHIBALD FULLER.