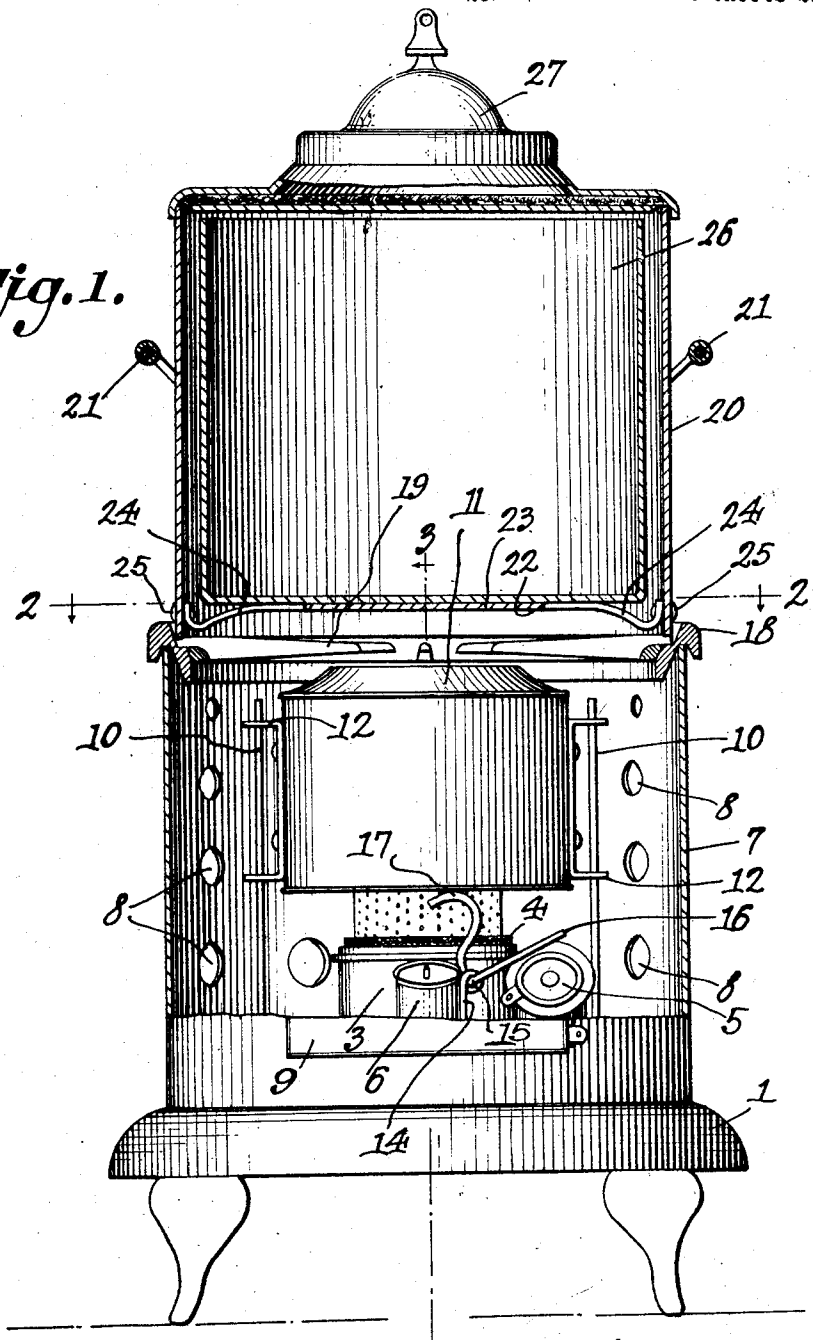
March 6, 1928. 1,661,939

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OIL STOVE AND HEATER

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Fig. 1.



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Fig. 2.

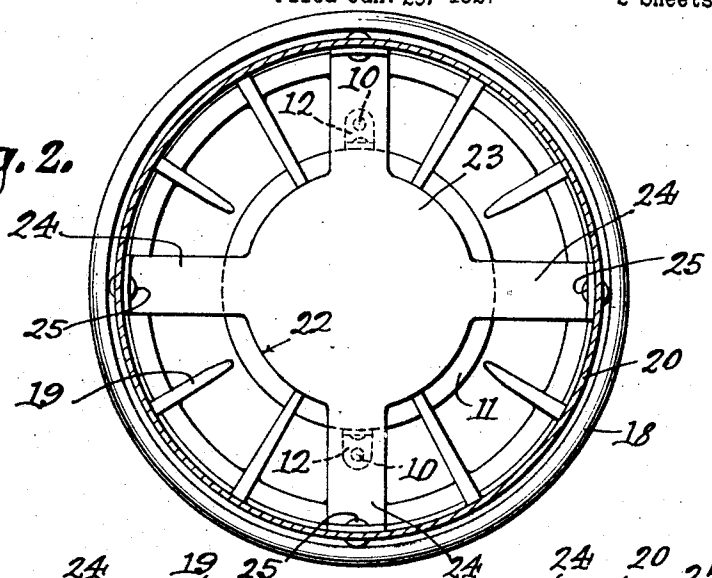


Fig. 3.

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Patented Mar. 6, 1928. 1,661,939

UNITED STATES PATENT OFFICE.

ANNIE MARY GRAYSON, OF MACON, GEORGIA.

OIL STOVE AND HEATER.

Application filed January 29, 1927. Serial No. 164,570.

One object of the invention is to provide novel means for raising the chimney of an oil stove. Another object of the invention is so to construct an oil stove that it can be used for cooking, heating water, and the like.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the drawings:—

Figure 1 shows in longitudinal section, a device constructed in accordance with the invention, parts being in elevation;

Figure 2 is a cross section on the line 2—2 of Figure 1;

Figure 3 is a fragmental longitudinal section wherein the device is viewed about at right angles to the showing of Figure 1.

The oil stove forming the subject matter of this application comprises a base 1 carrying a font 2, the wick tube being denoted by the numeral 3, the wick appearing at 4, and any suitable means 5 being provided for raising and lowering the wick. The filling means for the font 2 is shown at 6. A drum 7 rests on the base 1 and has air inlet openings 8, the drum 7 being equipped with a movable door 9. Guide rods 10 are mounted on the font 2 or elsewhere. A chimney 11 is mounted to move vertically about the wick tube 3. The chimney 11 carries oppositely disposed U-shaped brackets 12 which are slidably mounted on the guide rods 10. A bearing 14 is erected on the font 2. In the bearing 14, a substantially horizontal shaft 15 is mounted to rock, the shaft 15 being supplied at its outer end with a handle 16 which is accessible when the door 9 is opened, the shaft 15 being equipped at its inner end with a curved arm 17 adapted to ride beneath the lower end of the chimney 11.

The operator can open the door 7, and rotate the shaft 15 by means of the handle 16, the arm 17 raising the chimney 11 into the position shown in Figure 1, the chimney remaining in that position whilst the wick 4 is being lighted. After the lighting has been accomplished, the shaft 15 can be rotated again so that the arm 17 will lower the chimney. The chimney 11 has right-line movement, because the brackets 12 are mounted slidably upon the guide rods 10.

On the upper end of the drum 7, a ring 18 is seated, and within the ring is held removably a grate 19. The grate 19 is used for cooking articles in a skillet, and for many other like purposes which will suggest themselves readily to a housewife.

When it is desired to boil water, cook vegetables, and the like, a supplemental drum 20 is used, the same having handles 21, whereby it may be manipulated conveniently. Some persons prefer to remove the grate 19 before the drum 20 is mounted in place, but others, with a view to saving time, simply place the supplemental drum on the grate 19. The bottom of the supplemental drum 20 is formed by a spider 22 including a central hub 23 and arms 24, the arms 24 being secured at 25 to the drum 20. The spider 22 supports a pot 26, located within the supplemental drum 20, the said drum being surmounted by a removable lid 27. It is clear that water may be boiled in the pot 26, and that vegetables may be cooked therein. The device forming the subject matter of this application embodies a stove on which frying or boiling can be carried out without difficulty. The article has practically all of the advantages of a cook stove, but is so constructed that it will detract little or nothing from the appearance of the apartment wherein it is used.

What is claimed is:

In a device of the class described, a base, an annular font carried by the base, a burner within the annular font, oppositely disposed upstanding guide rods mounted at their lower ends on the font, a chimney surrounding the burner, means for mounting the chimney on the guide rods for vertical sliding movement, a bearing mounted on the font, a shaft mounted to rock in the bearing and provided with inner and outer arms, the inner arm being engageable beneath the

chimney to raise and to lower the chimney, the inner arm depending within the annular font when the inner arm is in an inoperative position, the outer arm constituting means for operating the shaft, and a drum on the base and housing the guide rods, the shaft and the arms, the drum having an opening which renders the outer arm accessible, and a closure for the opening, the inner arm operating at a point approximately 90° remote from either guide rod.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

MRS. ANNIE MARY GRAYSON.