

(No Model.)

A. C. PERRY.  
GAS STOVE.

No. 465,199.

Patented Dec. 15, 1891.

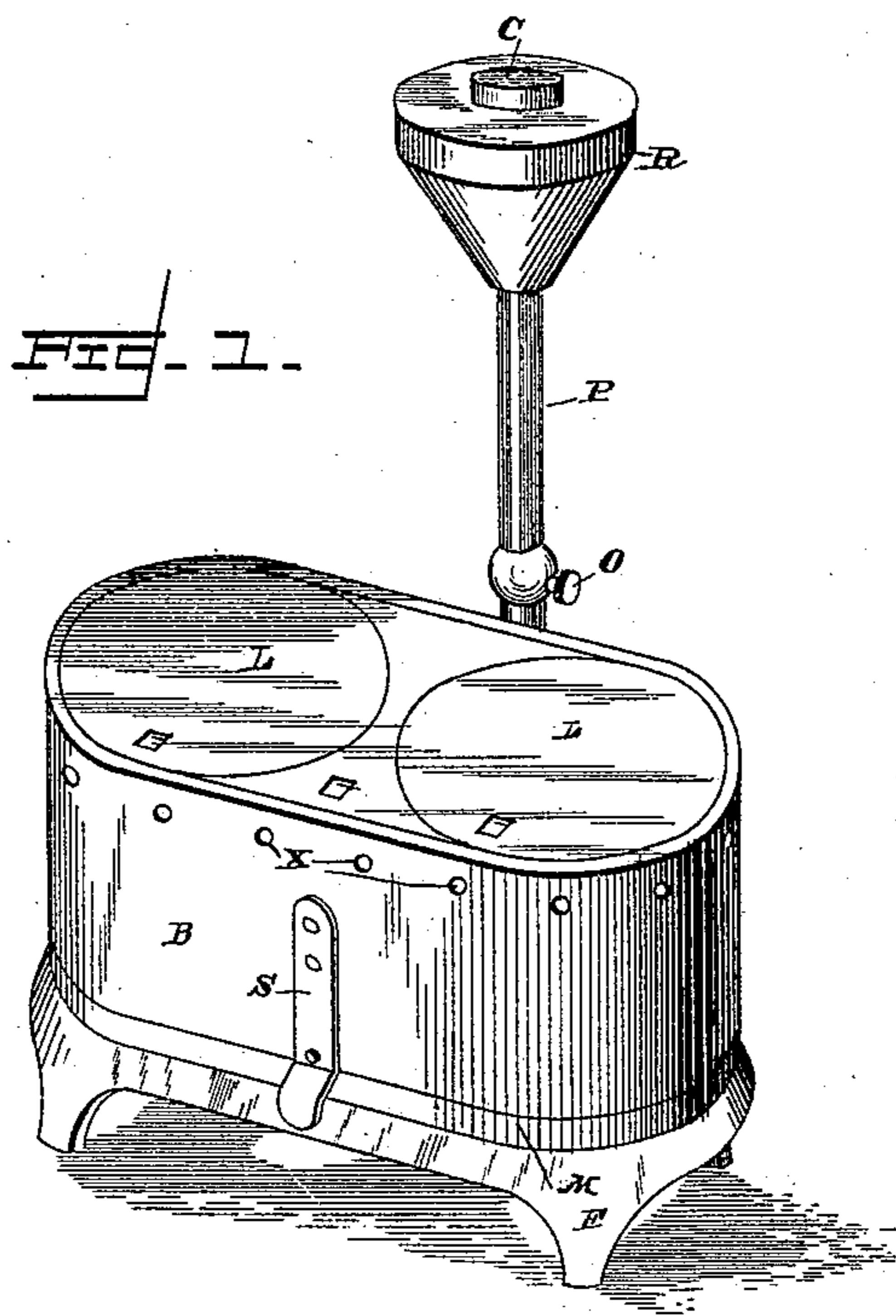


FIG. 2.

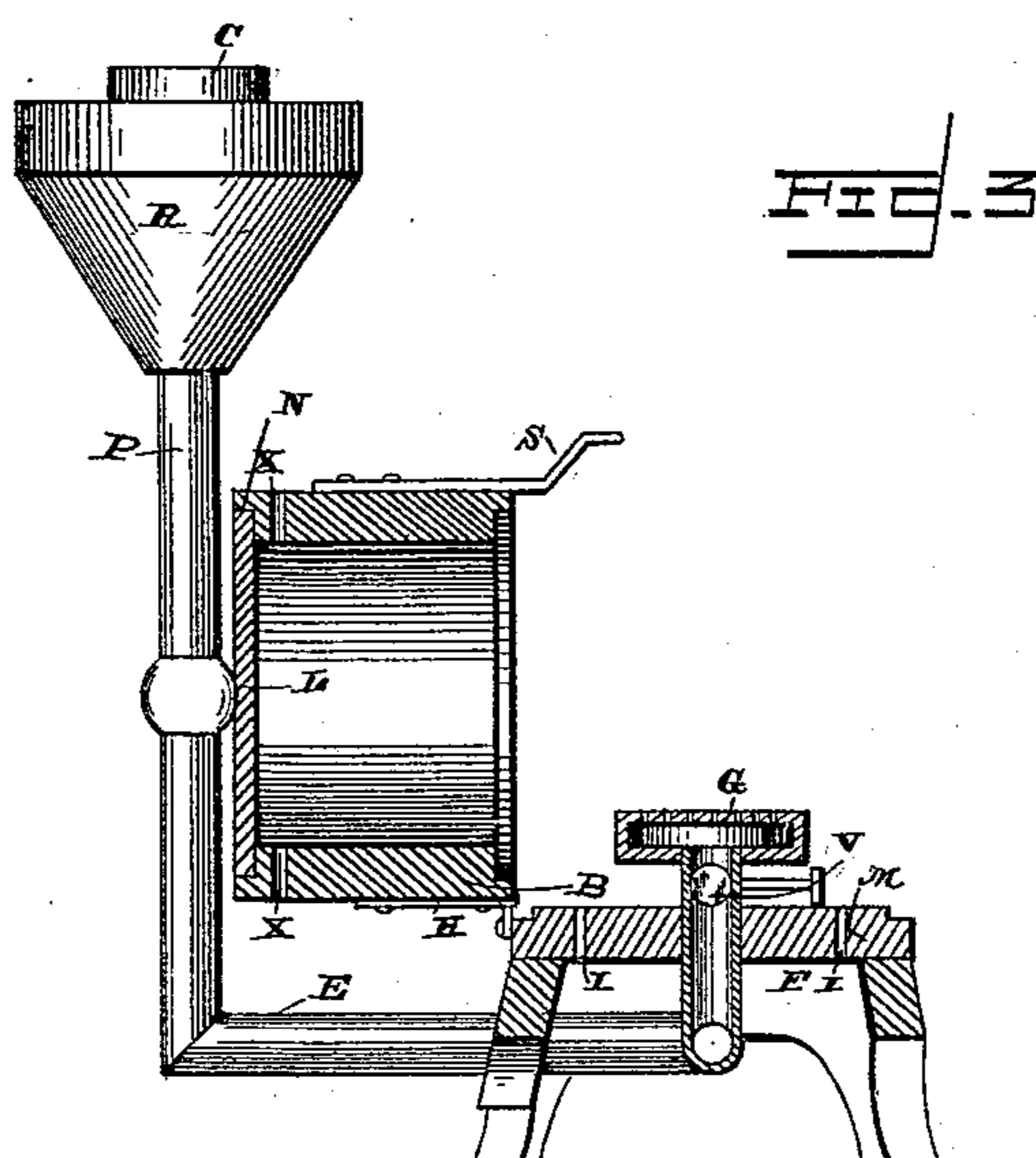
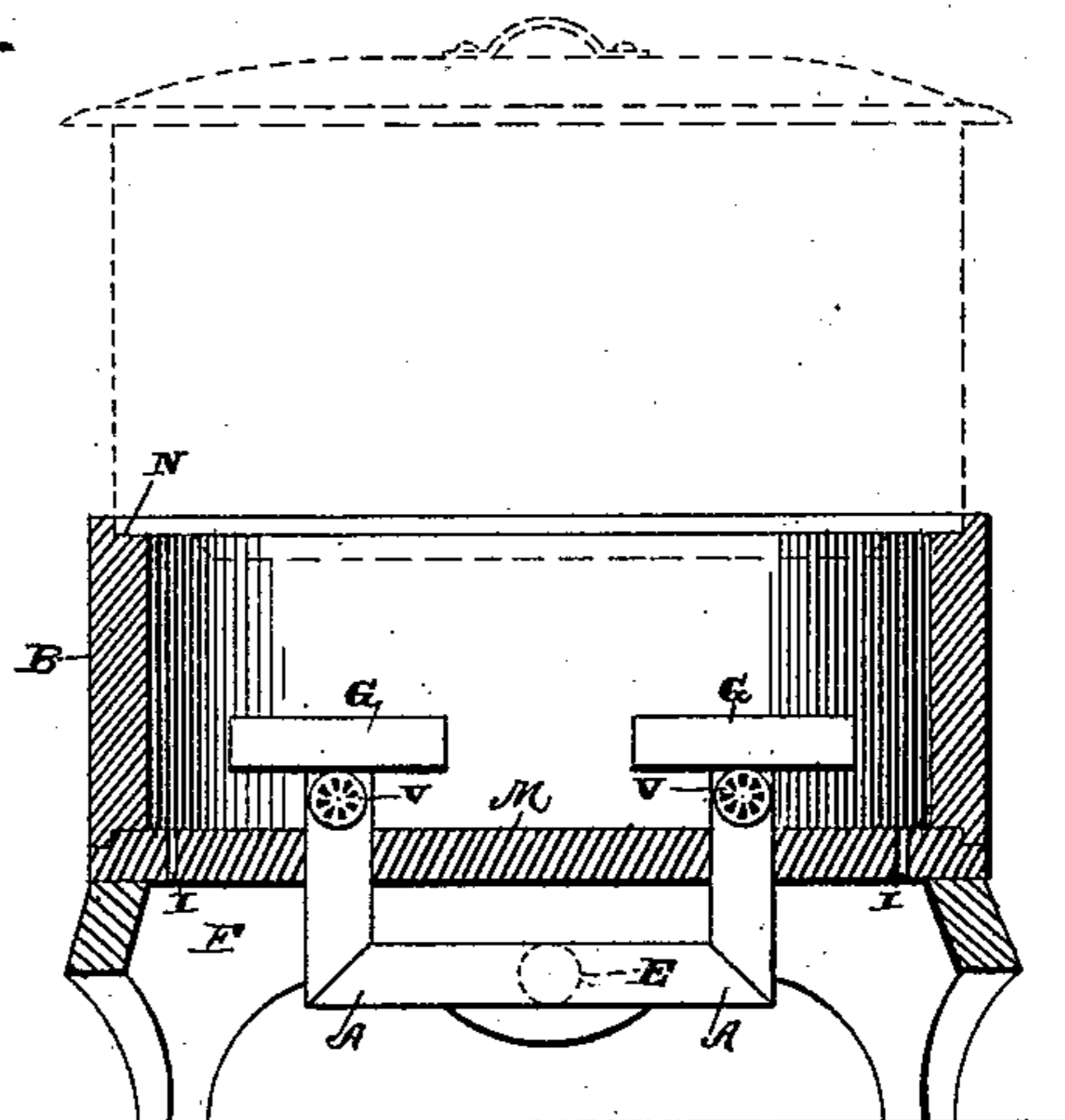


FIG. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

ALFRED CHARLES PERRY, OF PLATORO, COLORADO.

## GAS-STOVE.

SPECIFICATION forming part of Letters Patent No. 465,199, dated December 15, 1891.

Application filed March 31, 1891. Serial No. 387,148. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED CHARLES PERRY, a citizen of the United States, residing at Platoro, in the county of Conejos and State of Colorado, have invented a new and useful Gas-Stove, of which the following is a specification.

This invention relates to stoves and furnaces, and more especially of that class adapted to be heated by gas or vapor; and the object of the same is to produce certain improvements in devices of this character.

To this end the invention consists of the details of construction hereinafter more fully described and claimed, and as illustrated on the sheet of drawings, wherein—

Figure 1 is a general perspective view of the device ready for use. Fig. 2 is a cross-section through one of the burners, showing the body raised. Fig. 3 is a central longitudinal section of the body in its lowered position, showing the lids removed and a boiler in dotted lines in position on the body.

Referring to the said drawings, the letter R designates a reservoir having a screw-cap C closing its filling-orifice, and leading downwardly from this body is a pipe P, provided with an operating-valve O. This pipe has an elbow E where it turns and extends forwardly beneath the frame F, to which the body B is secured by hinges H at the rear and by a spring-catch S in front. Within the frame F the pipe P has a T, from which arms A lead outwardly toward the ends of the frame and then upwardly through the two centers of an oval bottom M, which is carried by the frame and has a number of air-inlet holes I. Upon the upper ends of the arms A are secured vapor or gasoline burners G, which are regulated by independent valves V, or these may be gas-burners if the pipe P is connected with a source of gas-supply instead of with the reservoir R.

The body B is of oval shape, as shown, so as to fit upon and around the edges of the bottom M, and its spring-catch S holds it closely down upon the same. Near the upper end of this body it is provided around its sides with exit-openings X for the products of combustion rising from the burners G. The upper end of the body is provided with a shoulder or notch N, shaped to receive the

lids L, and the latter may be removed, as shown in Fig. 3, when it is desired to set a wash-boiler or other oblong utensil upon the body; or one lid may be removed to put a round utensil therein directly above either burner, or both end lids to receive two such utensils, or the lids may be left in place, and the heat from the burners will make them very hot.

With a device of the above construction it will be seen that all the ordinary cooking and heating for a small family can be done without necessarily overheating the room and without exposing the burners to the action of the wind if the stove be set out of doors.

The device is especially useful for camping parties and the like because of its lightness, cheapness, and effectiveness, but more especially on account of its portability. The body must be raised on its hinges to gain access to the regulating-valves V or to the burners, and when so raised it will rest against the pipe P, whereby a single lid, if used, will be prevented from falling off.

Various changes may be made in the construction of this device without departing from the spirit of this invention.

What is claimed as new is—

1. The herein-described vapor-stove, the same comprising a frame provided with a perforated top forming the bottom of the body, a body hinged at its rear to said frame and connected thereto at its front by a spring-catch, said body having lateral exit-holes in its sides, near its upper end, and a notch in the latter, a lid removably seated in said notch, a burner within the body, a fluid-supply pipe leading therefrom downwardly through the bottom, rearwardly through the frame, and upwardly above the device, the lid resting against said pipe when the body is turned back, valves in said pipe, and a reservoir carried by the upper end thereof, as and for the purpose set forth.

2. The herein-described vapor-stove, the same comprising a frame provided with a perforated top forming the bottom of the body and of oval shape, a body hinged to the rear of said frame and connected thereto at its front by a spring-catch, said body conforming with the contour of the bottom and being provided with lateral exit-holes in its sides,

near its upper end, and with an interior notch  
around the latter, lids removably seated in  
said notch, burners within the body at the  
two centers of the bottom, a fluid-supply pipe  
5 consisting of two arms passing from said  
burners downwardly through the bottom and  
then into a T at the center of the frame and  
extending thence rearwardly in a single pipe  
through the frame into an elbow and thence  
10 upwardly in the rear of the device, a reser-  
voir at the upper end of said pipe, an operat-

ing-valve in the latter, and regulating-valves  
beneath the burners and above the bottom,  
all as and for the purpose hereinbefore set  
forth.

In testimony that I claim the foregoing as  
my own I have hereto affixed my signature in  
presence of two witnesses.

ALFRED CHARLES PERRY.

Witnesses:

THOMAS WALSH,  
PATRICK WALSH.