

(No Model.)

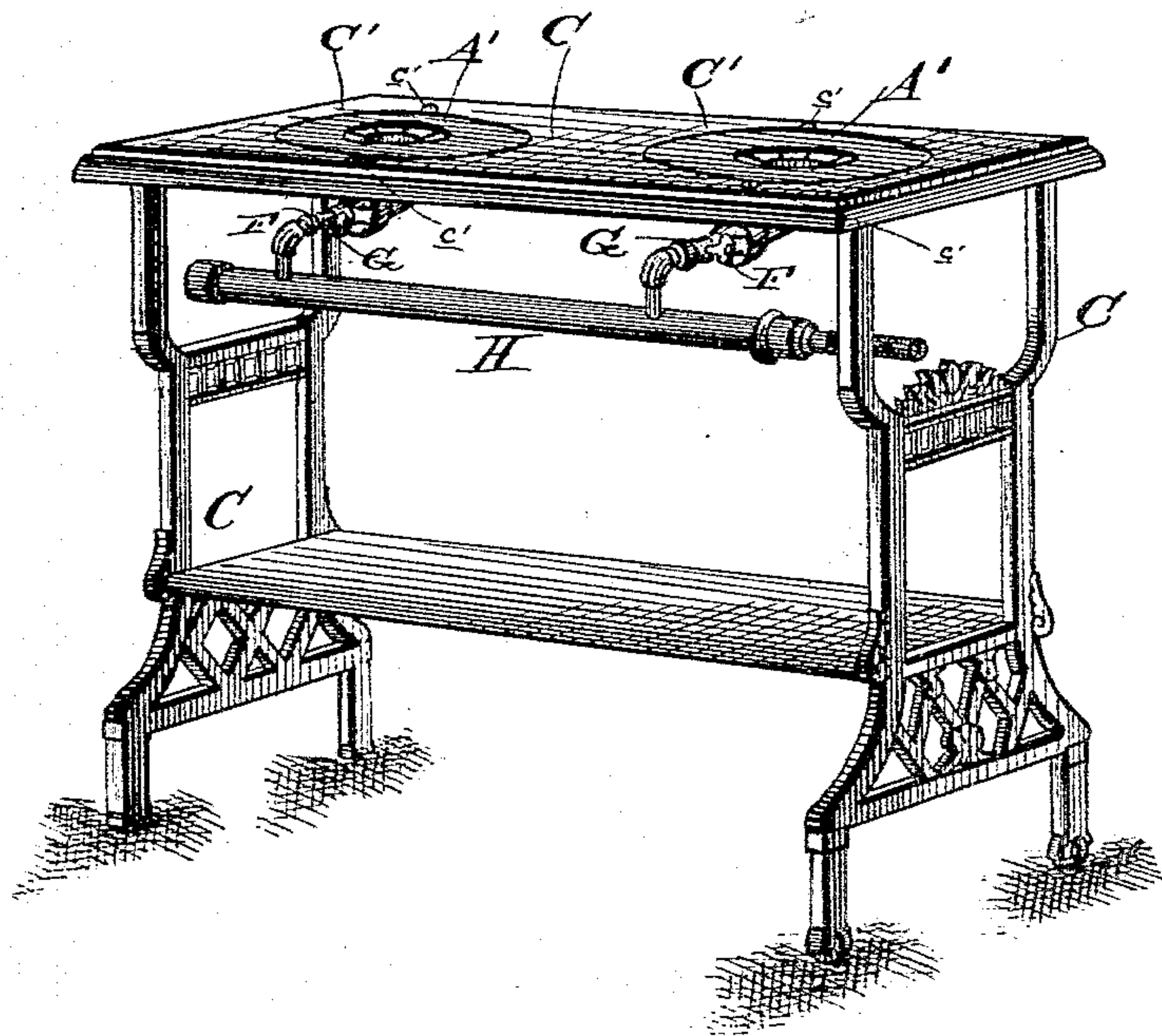
2 Sheets—Sheet 1.

J. F. POND.
GAS STOVE ATTACHMENT.

No. 356,889.

Patented Feb. 1, 1887.

Fig. 1.



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Fig. 2.

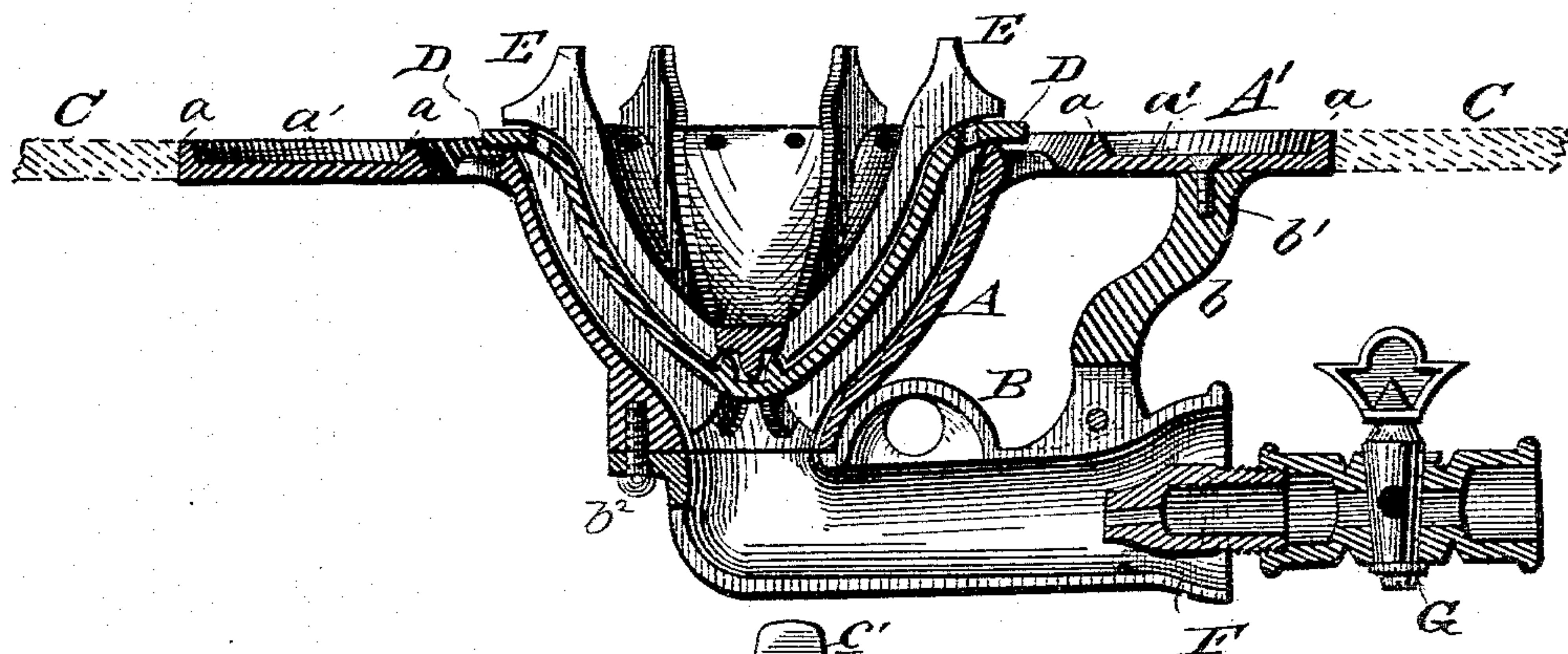


Fig. 3.

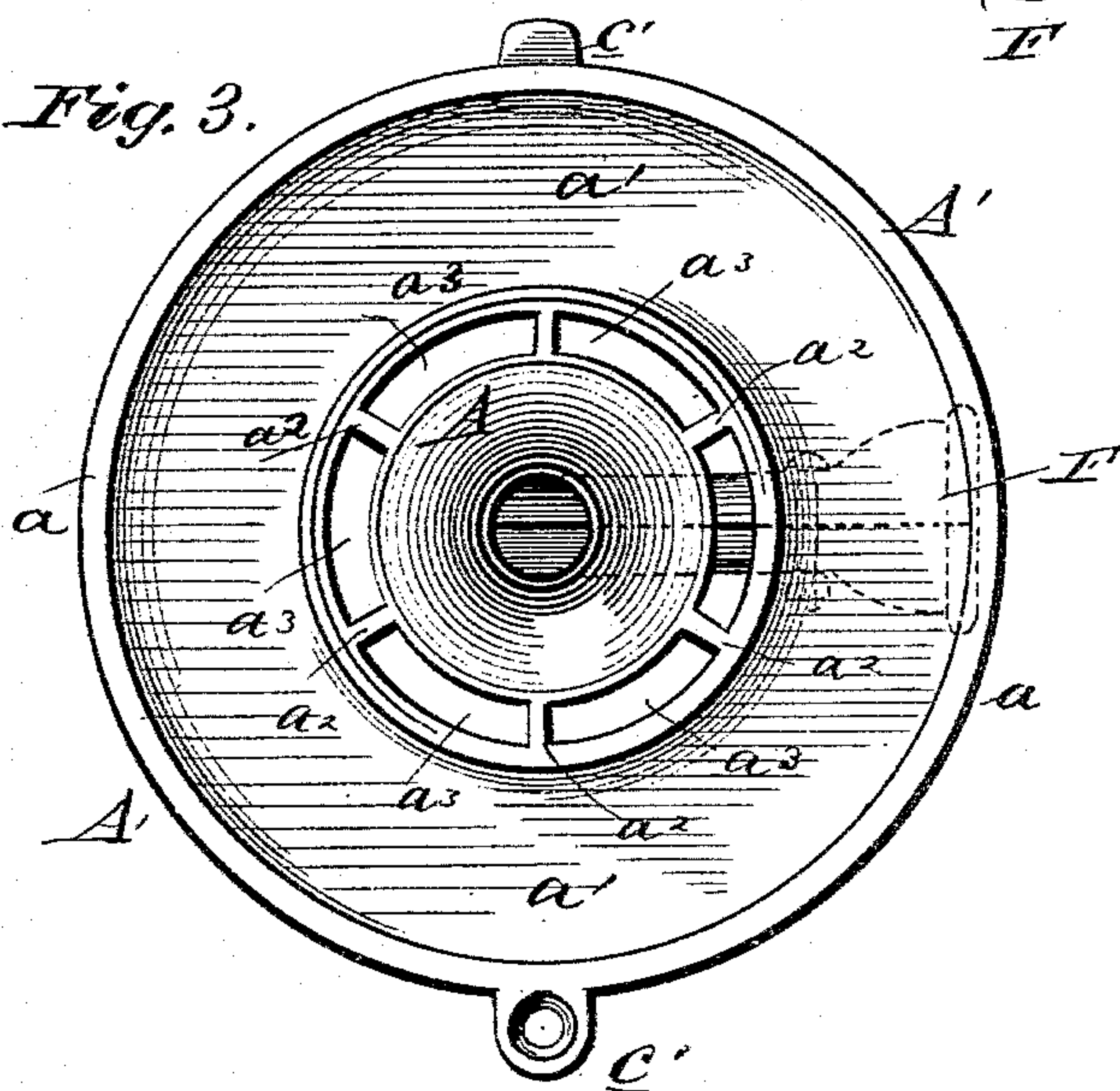
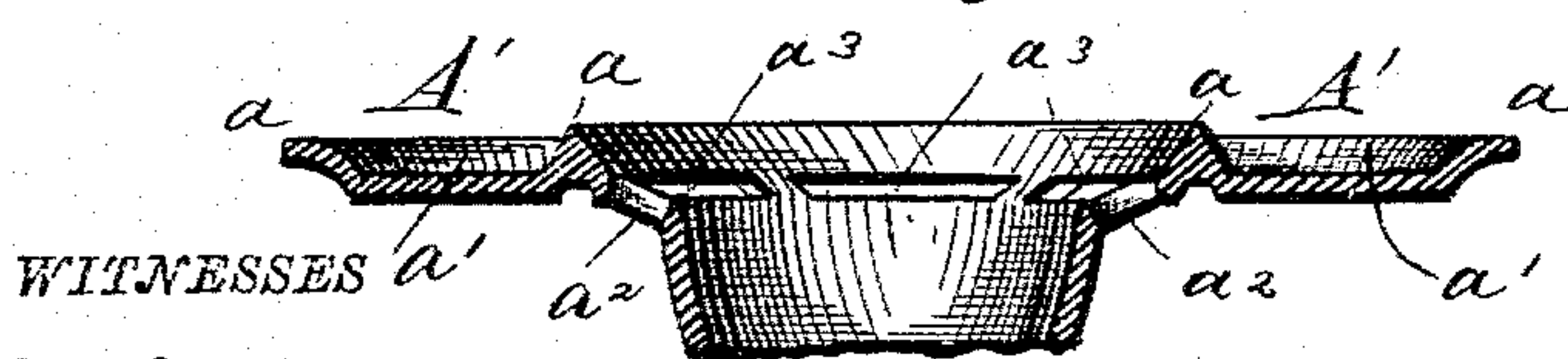


Fig. 4.



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GAS-STOVE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 356,889, dated February 1, 1887.

Application filed December 4, 1885. Serial No. 184,706. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. POND, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Gas-Stove Attachments; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to gas-stoves or gas-stove attachments adapted for service with ordinary gasoline-frames or other supports, as will be more fully hereinafter set forth, and specifically pointed out in the claims.

The object of the invention is to provide a gas-burning attachment to the frames of existing gasoline or oil burning stoves or other supporting-frames—one which may be readily applied or disengaged at will, and which will be efficient and useful in service.

In what I consider the best manner of carrying out the invention I employ the burner illustrated, described, and claimed in application No. 180,746, filed by me October 23, 1885. The bowl or body of the burner is cast in one piece with or is secured to a circular plate, which fits in and may be secured to the top of the frame of a gasoline-stove. Between the plate and the burner are left ample openings for passage of air. The gas conductor and mixer is secured to the neck of the bowl upon one side and to the detachable circular plate upon the other, and the several burners are connected to a common gas-supply. The entire gas burning and conducting apparatus may be readily applied and removed at will.

The invention is fully illustrated in the accompanying drawings, which form a part of this specification, and in which—

Figure 2 is a vertical central section, and Fig. 3 a top plan view, of the gas-burning attachment. Fig. 4 is a sectional detail showing the bowl and plate cast in a single piece, the two being connected by short arms, which leave ample air-spaces. Fig. 1 is a perspective view on a smaller scale, showing the invention applied to an ordinary gasoline-stove frame.

I will describe the invention as employing the burner for which I have made separate application for patent, as hereinbefore mentioned; but it will be obvious that many of the advantages could accrue to the use of other burners, or greatly-modified forms of this burner.

Referring to the drawings, in which similar letters of reference indicate like parts in all the figures, A designates the bowl or body of the burner, and A' the circular plate having upwardly-extending concentric flanges a , to form drip-receptacle a' . These parts A A' are preferably cast in a single piece, and are connected by short arms a'' , arranged, as shown in Fig. 3, to leave capacious air-spaces a^3 between the water-holding burner and the said plate.

The gas conductor and mixer B has air-inlet spaces, and is secured by screws b^2 to the neck of the body A, and has a curved arm, b , which by a screw, b' , is secured to the plate A'.

D designates the water-holding cup, which forms one wall of the gas-passage, and E the spider therein, both being readily removable.

C designates the ordinary gasoline-frame, and within the holes C' of this frame fit the plates A' of my improvement, one lug, c , resting upon the top of the said frame C at one side, and a perforated lug, c , allowing the opposite side to be secured by a bolt or screw.

The gas-nozzle F is secured within the conductor B, and a valved coupling, G, allows two or more burners to be connected to a gas-supply, as H. This coupling is preferably made with a right and left hand thread, or otherwise, so as to be readily connected or disconnected at will.

While I have shown and described a gasoline-stove frame as a support for my burner attachment, I desire it to be understood that the attachment will serve with equal efficiency with other supports, as ordinary cook-stoves. Any surface that will properly seat the plate A' will be sufficient for this purpose. More than two ears, as c , may be provided—as, for instance, three arranged triangularly. The air-spaces a^3 are formed between the burner and the plate, so that air will pass up freely without regard to the form of the support.

By the employment of my invention a complete gas-stove may be provided at very little expense, and any discarded or otherwise useless gasoline-frame may be utilized. The plate

A', placed upon any cook-stove, may be attached by a flexible pipe to a gas-supply, and a complete gas-stove thereby attained. Any kind or quality of support may be employed.

5 Modifications in details of construction may be made without departing from the principle or sacrificing the advantages of the invention.

The gas-pipe H will be understood to be of such dimensions as to act as a gas-reservoir
10 common to all the burners.

Having thus described my invention, what I claim as new is—

1. The plate A', having drip-receptacle and burner A D, combined with a support, as C C',
15 as and for the purposes set forth.

2. A gas-burner and a plate, as A', and arms α^2 , arranged, as shown, to leave air-spaces α^3 , combined with gas-connections and with a support, as C C', as set forth.

3. The combination, with the body A and 20 plate A', cast in a single piece and having air-spaces α^3 between them, of a water-holding cup, as D, conductor B, secured to said body and plate, and gas-connections, as set forth.

In testimony whereof I affix my signature in 25 presence of two witnesses.

JOSEPH F. POND.

Witnesses:

H. CLAY SMITH,
WM. H. DELACY.