

(No Model.)

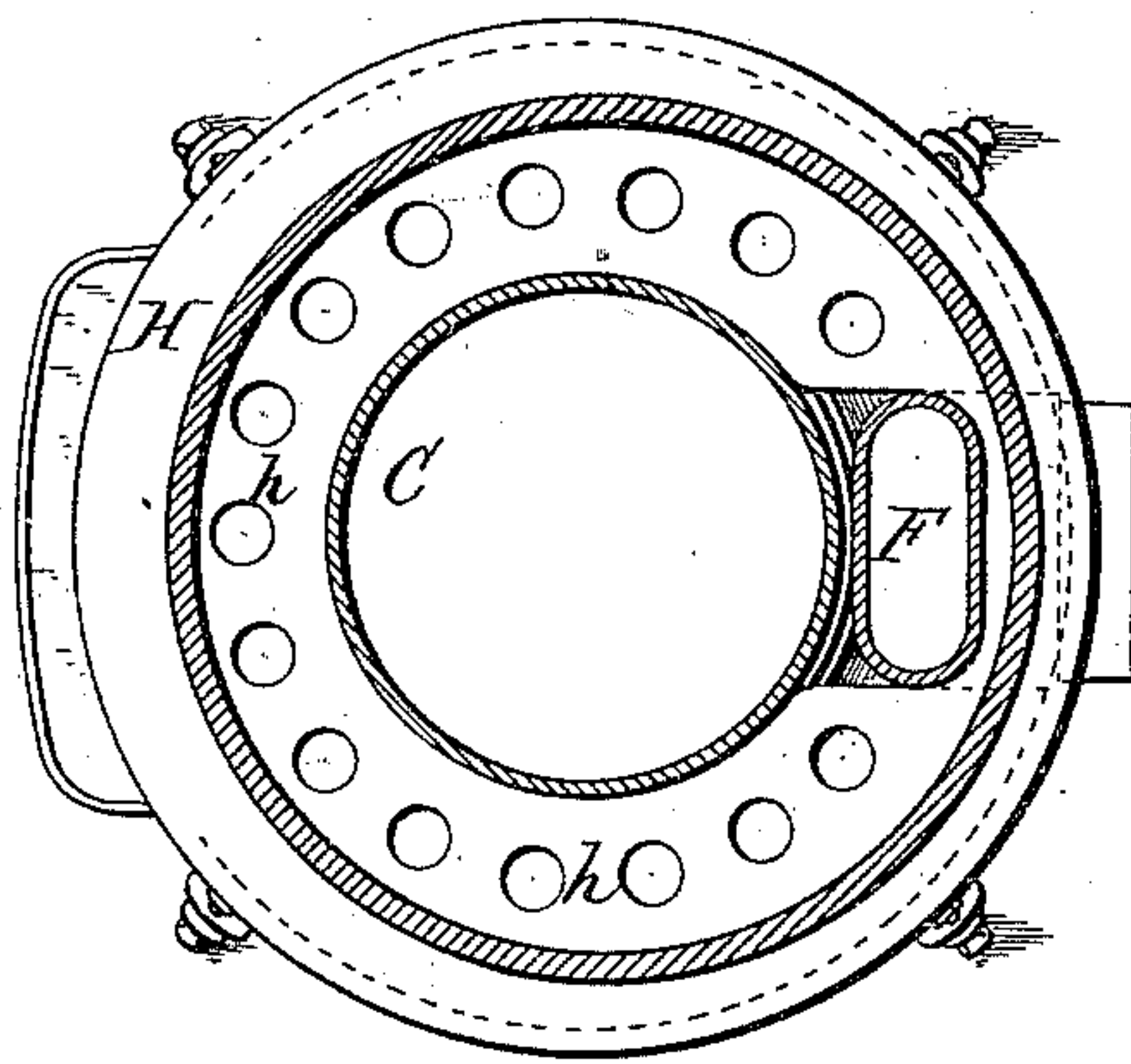
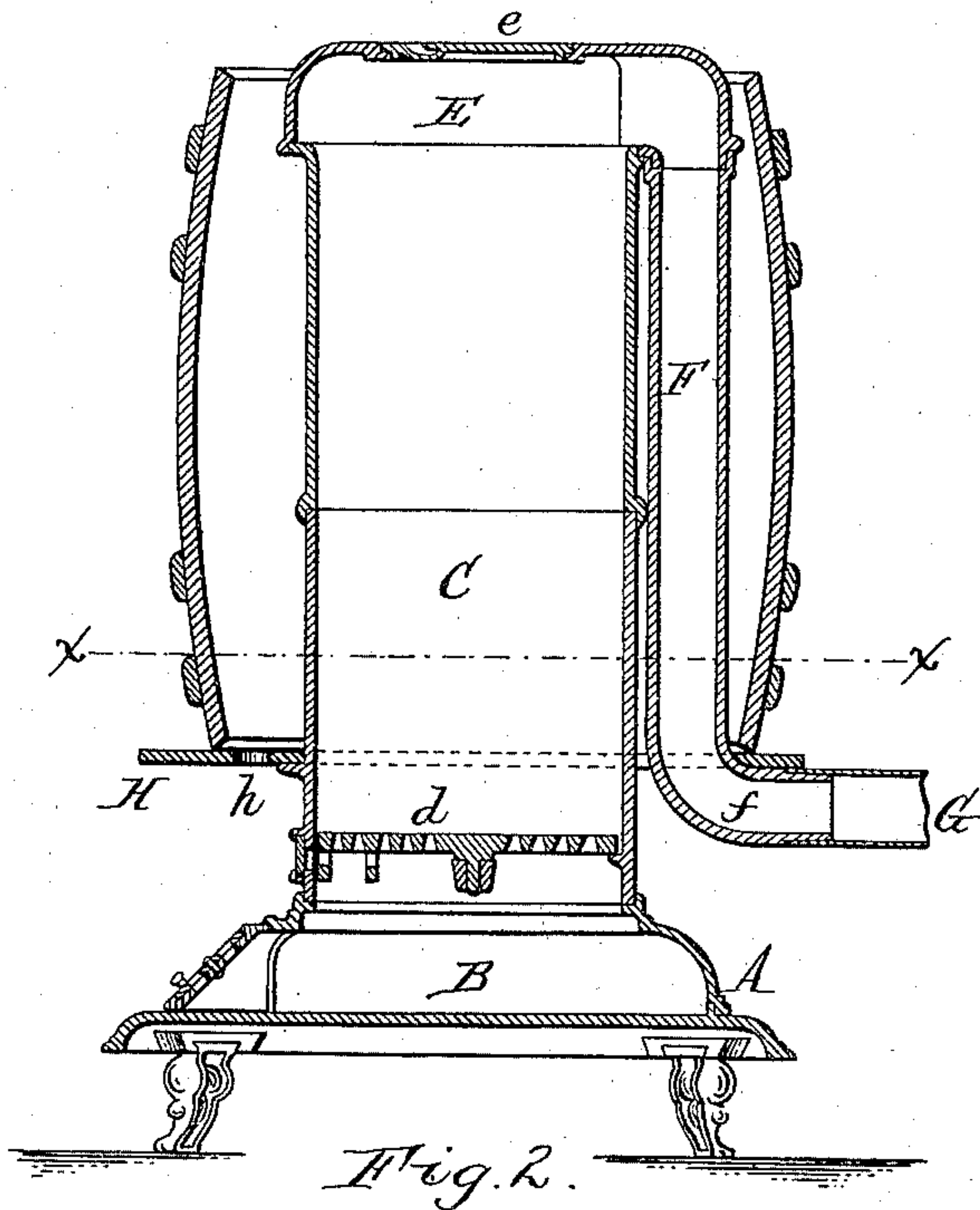
G. McVICAR & P. GLOR, Jr.

BARREL HEATER.

No. 343,838.

Patented June 15, 1886.

*Fig. 1.*



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# UNITED STATES PATENT OFFICE.

GIRARD McVICAR AND PETER GLOR, JR., OF BUFFALO, NEW YORK, AS-  
SIGNORS TO J. W. RUGER & CO., OF SAME PLACE.

## BARREL-HEATER.

SPECIFICATION forming part of Letters Patent No. 343,838, dated June 15, 1886.

Application filed September 1, 1885. Serial No. 175,936. (No model.)

*To all whom it may concern:*

Be it known that we, GIRARD McVICAR and PETER GLOR, Jr., both of Buffalo, in the county of Erie and State of New York, have  
5 invented new and useful Improvements in Heating-Stoves, of which the following is a specification.

This invention relates to an improvement in heating-stoves, and has the object to pro-  
10 duce a simple, cheap, and compact stove which can be advantageously employed for heating and drying the inside of barrels in coopering.

The invention consists, to that end, of the novel construction of the stove, which will be  
15 hereinafter fully set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical section of our improved stove with a barrel applied thereto. Fig. 2 is a horizon-  
20 tal section in line *x x*, Fig. 1.

Like letters of reference refer to like parts in the several figures.

A represents the base of the stove, containing the ash-pit B.

25 C represents the upright cylindrical body of the stove, forming the fire-pot, and provided with a suitable grate, *d*.

E represents the top, resting on the upper end of the body C, and provided with a re-  
30 movable cover, *e*, which is removed for introducing the fuel into the fire-pot.

F represents a descending flue, which extends from the rear portion of the top downwardly on the outside of the body C nearly to the base A of the stove, where it is provided  
35 with an elbow, *f*. The horizontal end of the latter connects with a smoke-pipe, G, which conducts the smoke to the chimney.

H represents a horizontal barrel-support  
40 secured to the body of the stove, and extending around the same above the elbow *f*, so that the body of a barrel having no heads, when placed on the barrel-support H, will surround the body of the stove and the descending flue  
45 F, as clearly shown in the drawings. The support H is composed of a ring or annular

flange, which is provided with openings *h*, through which the air enters the lower end of the space between the barrel and the body of the stove, thereby establishing an air-current  
5 through said space, which enters at the bottom and escapes at the top, and aids materially in drying the inside of the barrel. The barrels are quickly and conveniently placed upon the barrel-support and removed therefrom. As  
10 the heat of the stove is nearly uniform, if the stove is properly supplied with fuel, the barrels are dried uniformly and quickly, thereby producing the desired drying effect, while preventing improper charring of the barrels. 6

It is obvious that a suitable number of arms or brackets arranged around the body of the stove may be substituted for the annular flange H.

We claim as our invention— 6

1. In a stove for drying barrels, the combination, with the upright body or fire-pot and the top resting on the same, of a descending flue extending from the top downwardly outside of the body and a barrel-support surround-  
7 ing the body, substantially as set forth.

2. The combination, with the base A and upright body C, of the top E, resting on said body, and the descending flue F, extending from the top E downwardly outside of the body  
7 C, and provided at its lower end with an elbow, *f*, substantially as set forth.

3. The combination, with the base A and upright body C, of the top E, resting on said body, the descending flue F, extending from  
8 the top E downwardly outside of the body C, and provided at its lower end with an elbow, *f*, and the perforated flange H, surrounding the body C above the elbow *f*, substantially as set forth.

Witness our hands this 16th day of June,  
1885.

GIRARD McVICAR.  
PETER GLOR, JR.

Witnesses:

JNO. J. BONNER,  
C. F. GEYER.