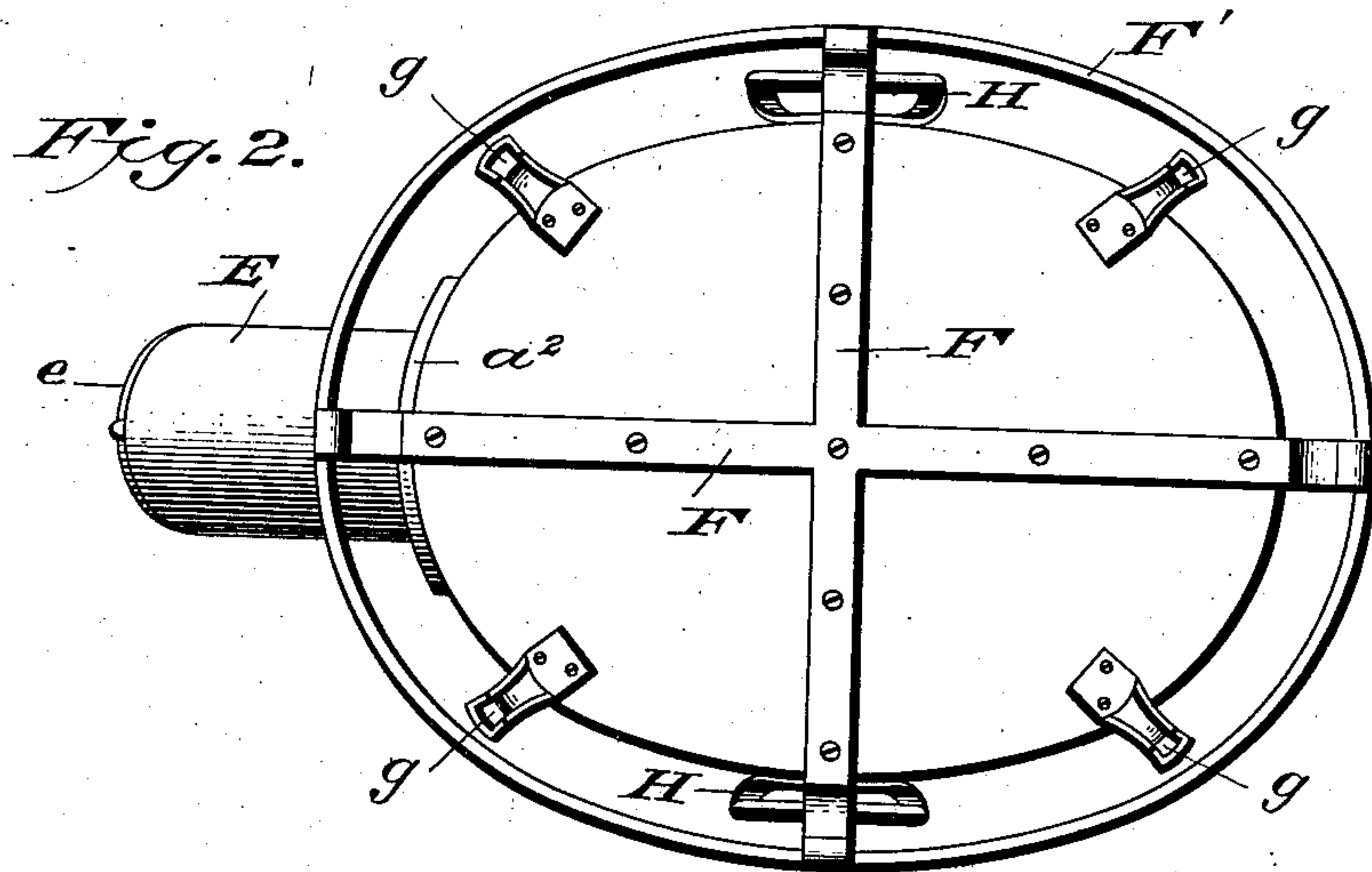
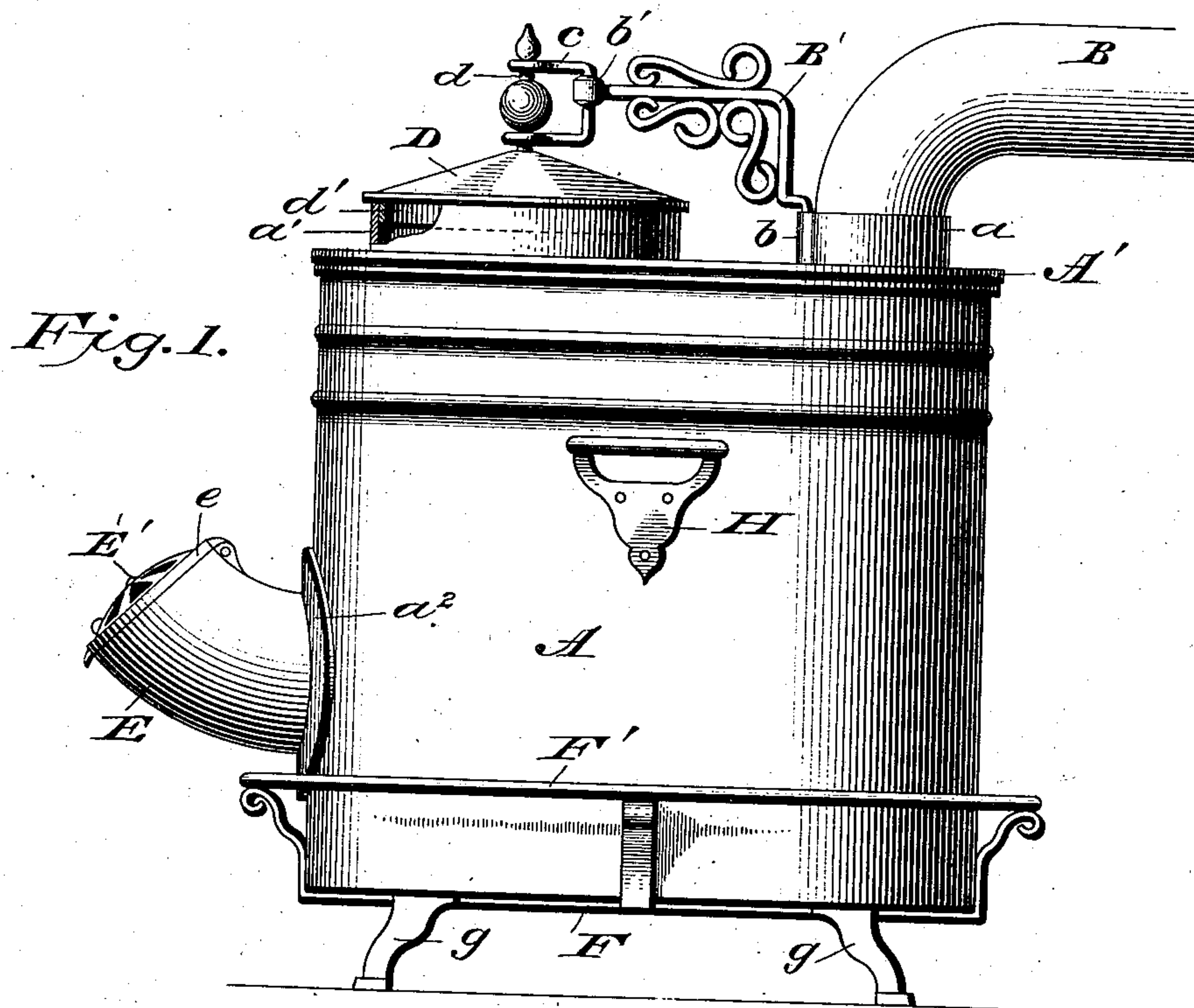


(No Model.)

J. H. RENFROE.
PORTABLE STOVE.

No. 542,280.

Patented July 9, 1895.



WITNESSES
L. S. Elliott.
E. M. Johnson

John H. Renfro,
INVENTOR

by *[Signature]* Attorney

UNITED STATES PATENT OFFICE.

JOHN H. RENFROE, OF WILLOW SPRINGS, MISSOURI.

PORTABLE STOVE.

SPECIFICATION forming part of Letters Patent No. 542,280, dated July 9, 1895.

Application filed March 21, 1895. Serial No. 542,665. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. RENFROE, a citizen of the United States of America, residing at Willow Springs, in the county of Howell and State of Missouri, have invented certain new and useful Improvements in Portable Stoves; and I do hereby 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 letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a stove of improved construction, and relates more particularly to the means employed for bracing the lower part of the stove and supplying fuel and draft thereto, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation, partly in section, showing a stove constructed in accordance with my invention; and Fig. 2 is a plan view of the under side of the stove.

A designates the body of the stove, which is preferably of oval shape, so that it may be made up of a single piece of sheet metal, and to this body are attached the sheet-metal top A' and bottom A². The top is provided with an upwardly-projecting flange a, which provides means for connecting a section of pipe B thereto. Adjacent to this flange is a socket b, of suitable shape and construction, which is rigidly attached to the flange a and serves as a support for a swinging bracket B', said bracket having at its outer end an apertured knob b', through which passes the connecting portion of a bail c, the outer ends of the members of said bail being formed into eyes, which embrace a pin d, projecting from the center of a cover D. The cover D is provided at its outer edge with a depending flange d', which fits within an upwardly-projecting flange or rim a', extending from the top A' of the stove. It is through the opening which is covered by the cover D that the fuel is fed to the interior of the stove.

It will be noted that by the construction hereinbefore described the cover D can be

raised, so that the depending flange thereof will clear the rim on top of the stove, and the cover can then be swung to one side, being supported by the bracket, which turns in the socket.

E designates a draft-pipe, which is attached to the lower part of the body of the stove by means of a flanged plate a² and is provided at its outer upturned end with a swinging cap e, which is pivoted to the pipe and has a suitable damper E'. The connection of the cap to the pipe is so located that when the cap is raised it will rest against the body of the stove and when lowered will remain closed without the use of any fastening means.

By having the end of the pipe E upturned, as shown, the ashes are not liable to fall out through the damper when the same is opened.

As heretofore stated, the bottom of the stove is made of sheet metal, and in order to give greater strength and rigidity to the same I attach to the under side of the bottom cross-bars F F, which serve as braces for said bottom, and these cross-bars extend a slight distance up over the lower part of the stove and are bent outwardly to serve as means for supporting a rail or fender F'. To the bottom, between the cross-bars F, are attached supporting legs g g, which serve to support the bottom where it is not reinforced by said cross-bars.

As the stove hereinbefore described is designed to be portable, it is provided with handles H H, which are preferably made up of cast or sheet metal and riveted to the sides of the stove.

I am aware that prior to my invention it has been proposed to provide a stove of sheet-iron with a cover and smoke-exit flue or pipe carried by the top of the stove and with a fender or rail supported by the legs of the stove, as will more fully appear by reference to the patent of Wright and Bailey, dated May 1, 1894, and I do not therefore claim such invention broadly; but

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with a stove constructed substantially as shown and provided with an opening in its top, of a cover D adapted to close said opening and provided with an upwardly projecting pin d, a bail C pivotally

connected at its ends to the pin *d*, and a swinging bracket *B'* suitably supported on the top of the stove and having at its outer end an apertured knob which loosely engages
5 the connecting portion of the bail, substantially as shown and for the purpose set forth.

2. In combination with a stove of the character described, a bracket supported so as to swing horizontally in its support, said bracket
10 having an apertured outer end, a cover for an opening in the top of the stove having an upwardly-projecting pin with which the ends of

a bail engage, the connecting portion of the bail being in engagement with the aperture at the end of the bracket, the parts being organized so that the cover can be raised vertically and swung to one side of the opening, substantially as shown. 15

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

JOHN H. RENFROE.

Witnesses:

CHAS. H. SHELTON,
R. F. MOFFITT.