

(No Model.)

R. H. HAYES.
COOKING STOVE.

No. 521,410.

Patented June 12, 1894.

Fig. 1.

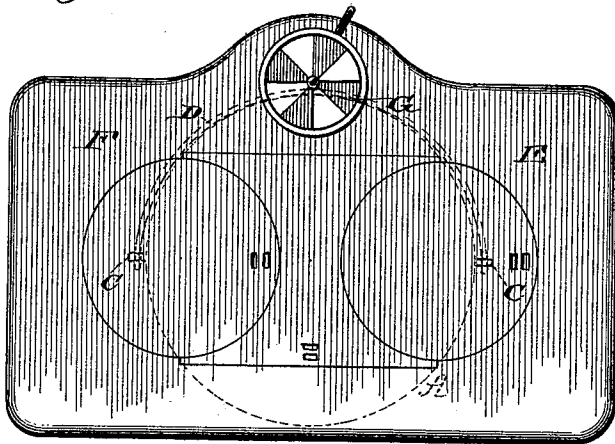
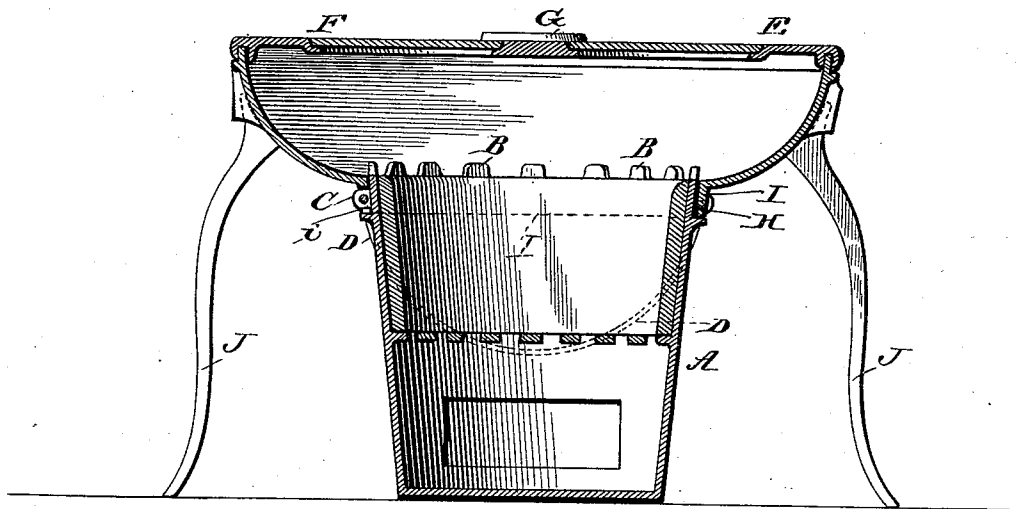


Fig. 2.



WITNESSES:

Fred G. Dietrich
P. B. Zupin.

INVENTOR

Rebecca Henry Hayes
BY *Manu L.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

REBECCA HENRY HAYES, OF GALVESTON, TEXAS.

COOKING-STOVE.

SPECIFICATION forming part of Letters Patent No. 521,410, dated June 12, 1894.

Application filed September 11, 1893. Serial No. 485,224. (No model.)

To all whom it may concern:

Be it known that I, REBECCA HENRY HAYES, of Galveston, in the county of Galveston and State of Texas, have invented a new and useful Improvement in Cooking-Stoves, of which the following is a specification.

My invention is an improvement in cooking stoves and seeks among other objects to provide means for economizing the heat of an ordinary charcoal furnace and for extending the range of use to which said furnace may be safely applied and for decreasing the risk of suffocation by the poisonous gases given off by such furnaces and the invention consists in the novel constructions and combinations and arrangements of parts as will be hereinafter described and pointed out in the claim.

In the accompanying drawings Figure 1 is a top plan view. Fig. 2 is a vertical section of an apparatus embodying my invention.

The furnace A may be of the ordinary form of charcoal furnace commonly used. It is preferably provided at its top with knobs or projections B on which a kettle may be rested the spaces between said knobs serving to permit the exit of the products of combustion and the furnace is also preferably provided with ears C and a bail D by which it can be conveniently lifted. Now this furnace is sometimes used in a makeshift way by placing bars of iron across its top and resting potatoes, coffee and other articles thereon but where the said articles extend beyond the sides of the furnace or fire pot the center of gravity is likely to be shifted and the furnace be overturned with a resulting loss. To avoid this I provide a heating top E in the nature of a beveled metallic furnace top having its cover F provided with a vent G which may be used as a damper or it being provided with a flange a pipe may be fitted on it and carried to a chimney or other outlet to discharge the poisonous gases arising from the burning charcoal. This heating top is made larger than the furnace so that it extends laterally beyond the same and has at its bottom an opening H to receive the furnace and a flange I to fit over and encircle the top of said fur-

nace, such flange I being provided at i with suitable openings to receive the ears of the furnace as will be understood from Fig. 2. The cover or top proper of the heating top may be removed when it is desired to concentrate the heat upon a single vessel and the said vessel be fitted down in the heating top and rested upon the knobs or projections B of the furnace. This construction permits the desired concentration of the heat upon the vessel as desired without any further trouble than removing the top plate as will be readily understood from Fig. 2 of the drawings.

Supports J serve to firmly hold the heating top independent of the furnace, the latter resting upon the hearth, ground or other base as is obvious. These supports J are preferably legs as shown inserted in sockets in the sides of the heating top and rested upon the floor but their special construction may be varied as may also be that of the depending flange to fit any form of charcoal furnace. This supporting of the heating top independent of the furnace is important as there is no danger of overturning the furnace by the articles placed to heat as the legs support said top as firmly as a bench or table.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The improved stove herein described consisting of the furnace having at its upper end the upwardly extended knobs or projections and the heating top provided with a removable top plate and having at its bottom the opening to receive and the flange to encircle the top of the furnace the flange encircling the furnace top being constructed and arranged substantially as described whereby the knobs or projections of the furnace will extend up into the heating top and be adapted to support a vessel when it is desired to concentrate the heat thereupon.

REBECCA HENRY HAYES.

Witnesses:

JOHN ROSENBERG,
BERTHOLD FRIEND.