No. 715,392. Patented Dec. 9, 1902.

C. J. KOCH.

FIRE CLAY CHARCOAL FURNACE.

(Application filed May 24, 1901.)

(No Model.)

FIG. 1

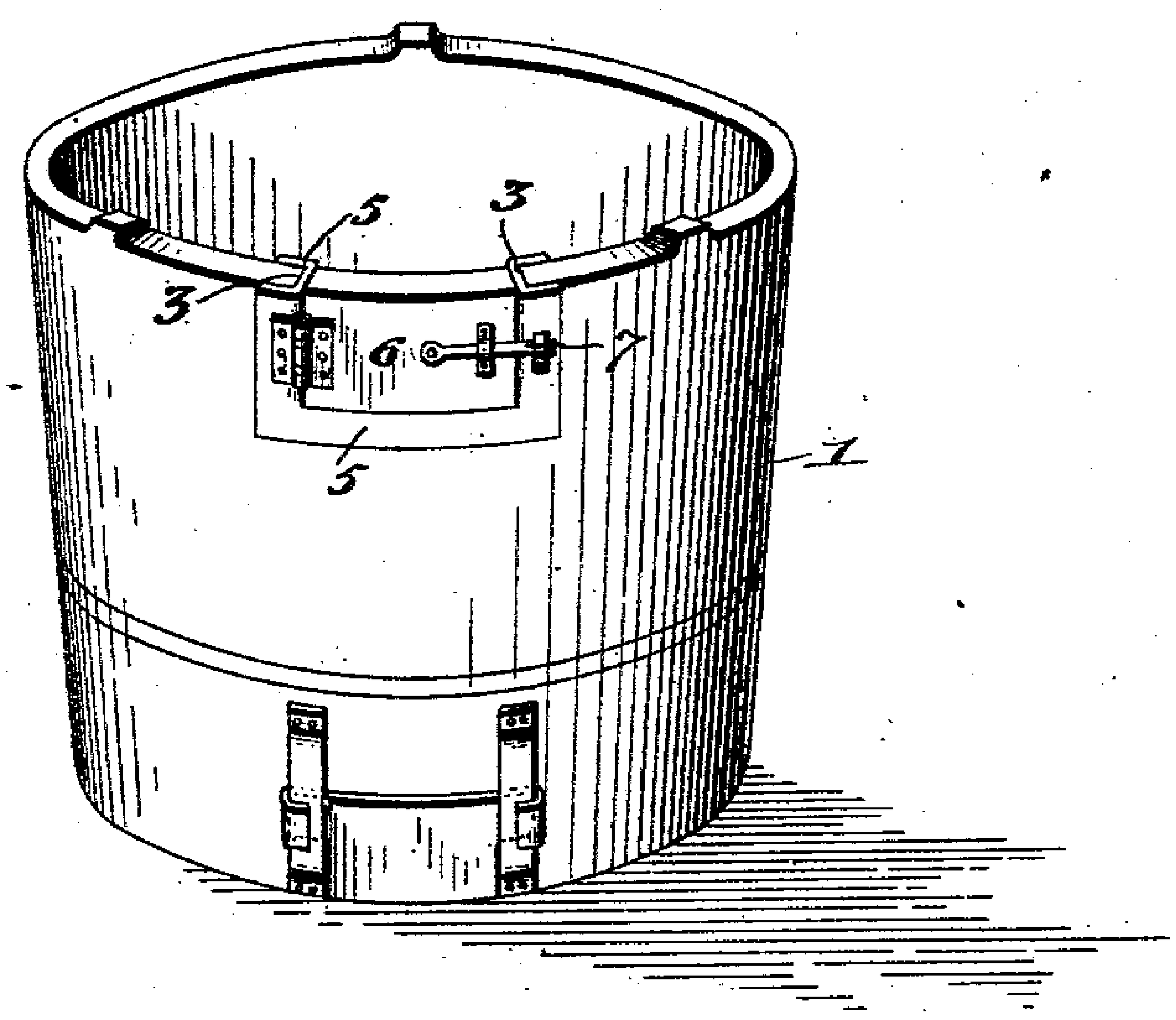
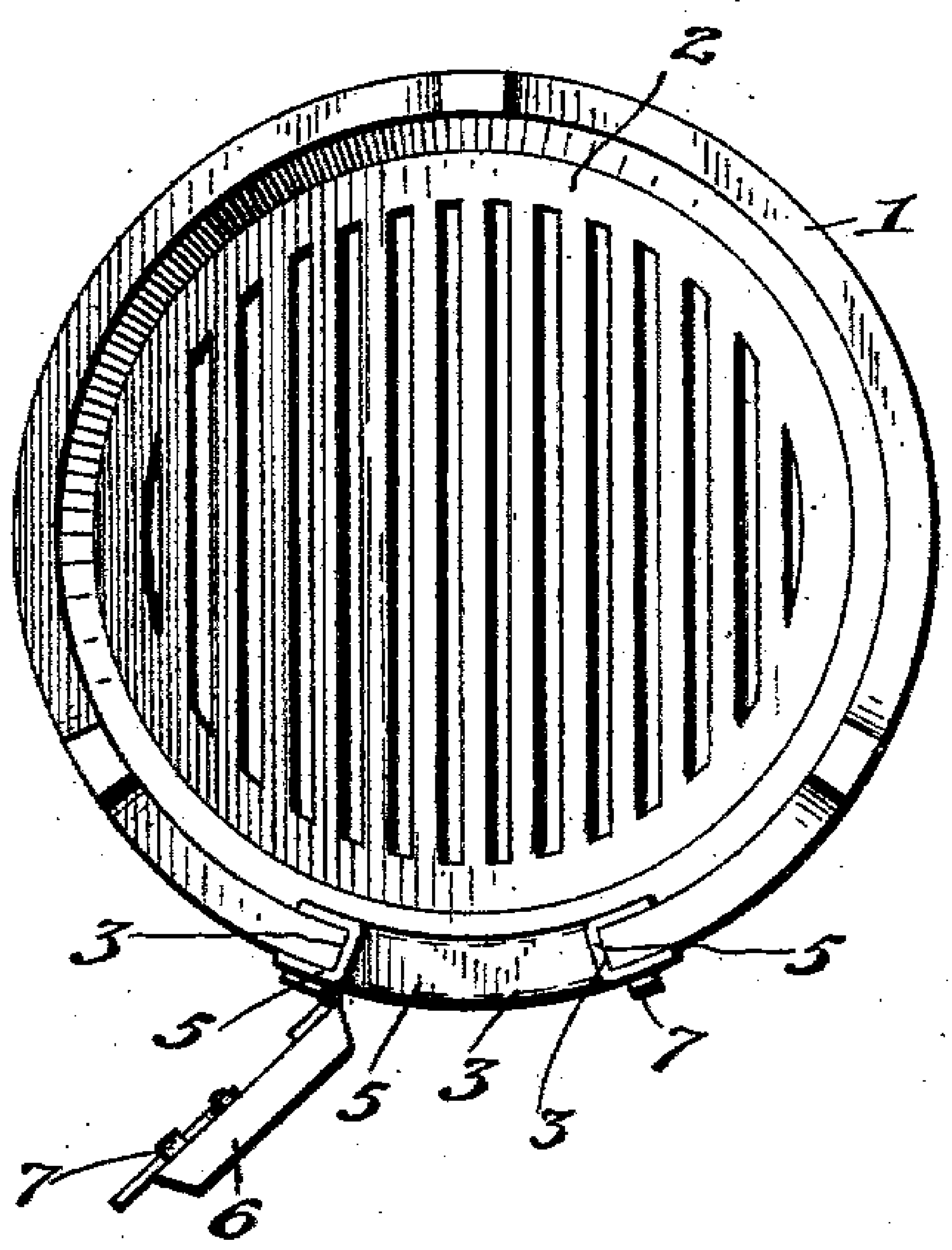


FIG. 2



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES JEAN KOCH, OF AUSTIN, TEXAS.

FIRE-CLAY CHARCOAL-FURNACE.

SPECIFICATION forming part of Letters Patent No. 715,392, dated December 9, 1902.

Application filed May 24, 1901. Serial No. 61,742. (No model.)

To all whom it may concern:

Be it known that I, CHARLES JEAN KOCH, a citizen of the United States, residing at Austin, in the county of Travis and State of Texas, have invented a new and useful Improvement in Furnaces, of which the following is a specification.

The invention relates to furnaces, and more particularly to that class made of refractory material constructed to permit of its being fed with fuel without removing the kettle, boiler, or other utensil placed upon the same.

The object of the invention is to provide a furnace of this character which shall be simple of construction, durable in use, comparatively inexpensive of production, and efficient in action.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved furnace, and Fig. 2 is a top plan view.

1 denotes the body of the furnace, which is made of refractory material, such as fire-clay, provided at its upper end, above the grate 2, with an opening 3, the edges of which are embraced by a channel-iron frame 5.

6 denotes a door hinged to one side of the channel-iron frame, and 7 denotes a fastening means for holding the door in closed position.

The upper peripheral edge portion of the furnace is provide with lugs or projections 8, on which a vessel rests, so that the products of combustion may pass out from the body of the furnace between the bottom of the vessel and the peripheral edge portion of the said furnace.

I wish it to be understood that the frame 6 is connected to the edges of the opening 3 by means of a downwardly-sliding action of the same, and I use no fastening means other than a clamping action of the frame with the edges of the opening.

It is evident that when the boiler, pan, or cooking utensil is placed upon the top of the furnace said furnace may be fed with fuel through the door-opening without removing the cooking utensils.

This furnace is particularly designed as a charcoal-burning furnace, although it should be understood that other kinds of material may be used.

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

1. A furnace of the class described having a doorway in its upper side, the upper side of the doorway being open, a door-frame slidably fitted from above in said doorway and having its sides channeled exteriorly to form flanges which overlap the inner and outer sides of the furnace contiguous to the doorway, and a door, mounted in the said frame and removable from the furnace therewith, said door when closed lying within the frame and in the plane of the side of the furnace in which the doorway is formed, substantially as described.

2. A furnace of the class described having a doorway in its upper side, the upper side of the doorway being open, a door-frame slidably fitted from above in said doorway and having its sides channeled exteriorly to form flanges which overlap the inner and outer sides of the furnace, contiguous to the doorway, and a door hung to the said frame, substantially as described.

In testimony whereof I have affixed my signature in the presence of two witnesses.

CHARLES JEAN KOCH.

Witnesses:

J. K. HETHCOAT,

CHAS. P. HUPPERTZ.