

S. B. SEXTON.
Cooking Stove.

2 Sheets—Sheet 1.

No. 3,273.

Patented Sept. 23, 1843.

Fig. 1

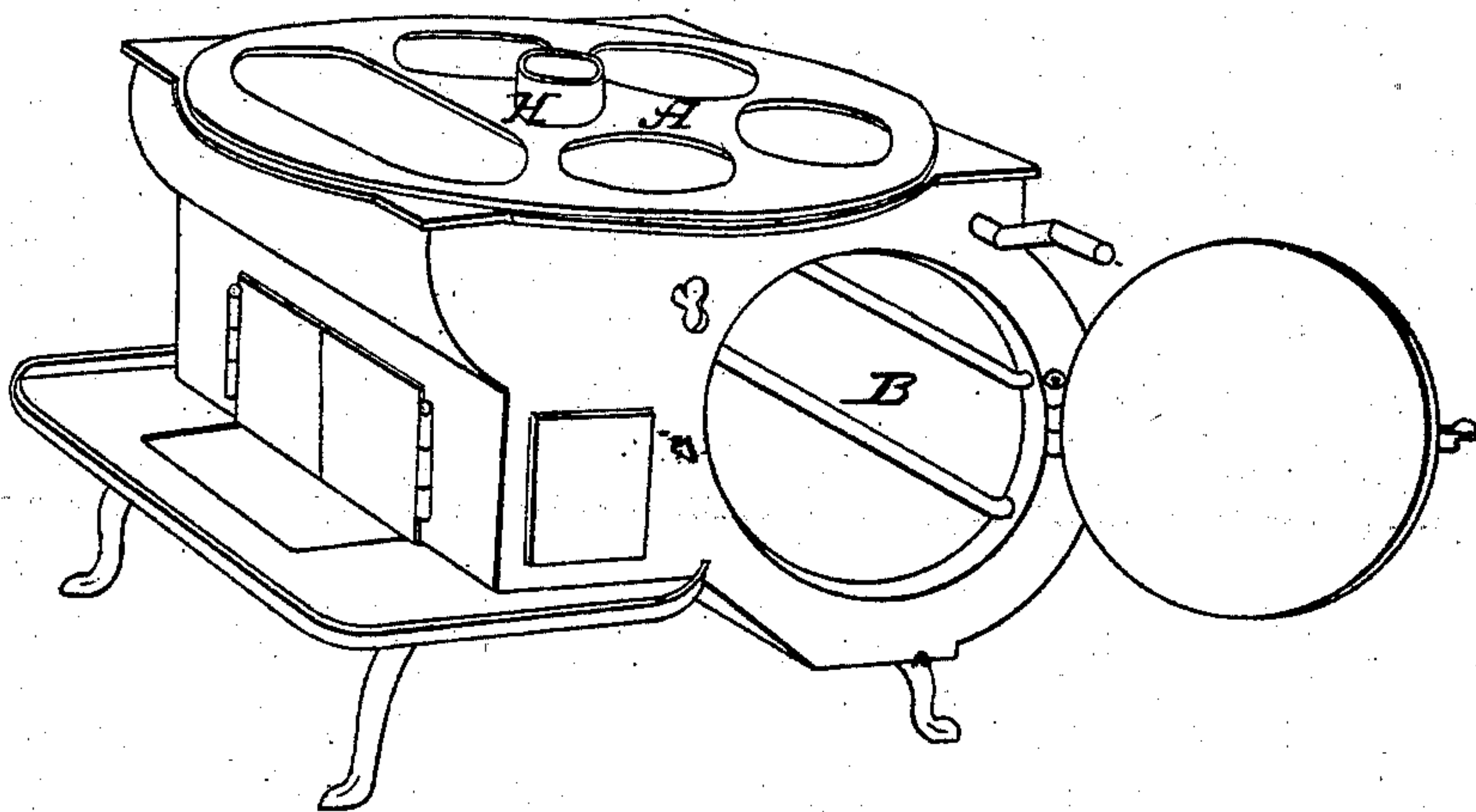
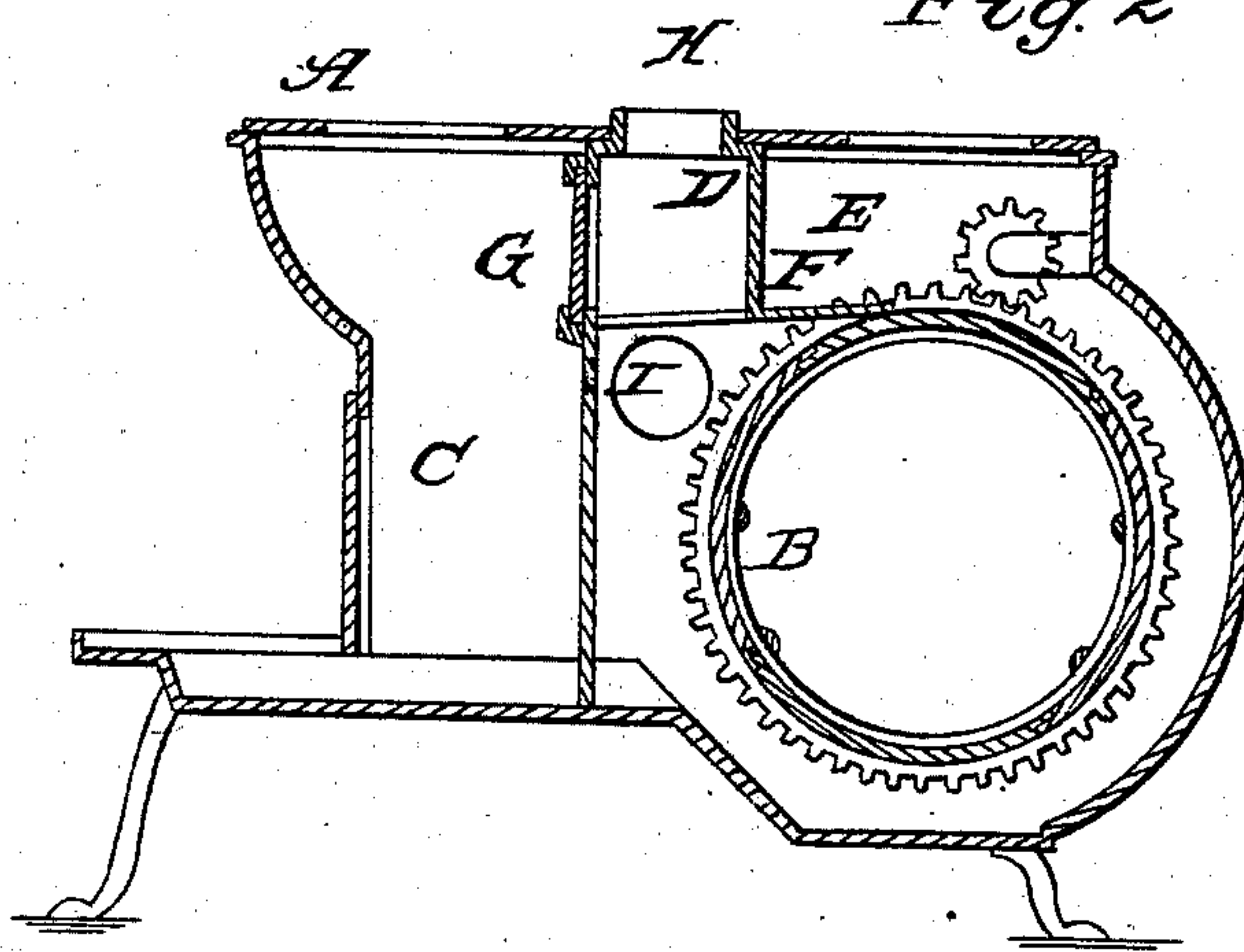


Fig. 2



S. B. SEXTON.
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Fig. 3

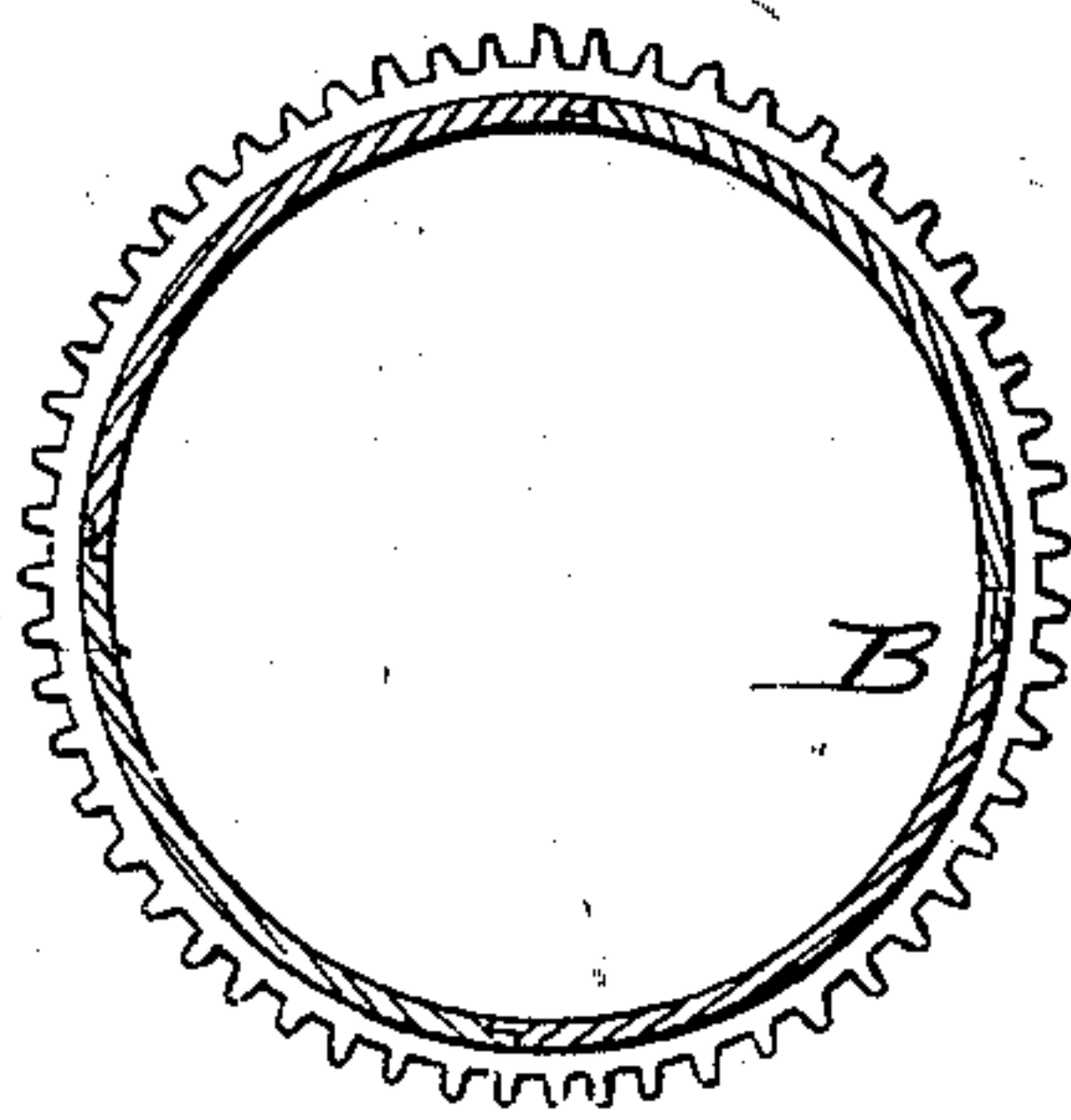


Fig. 4

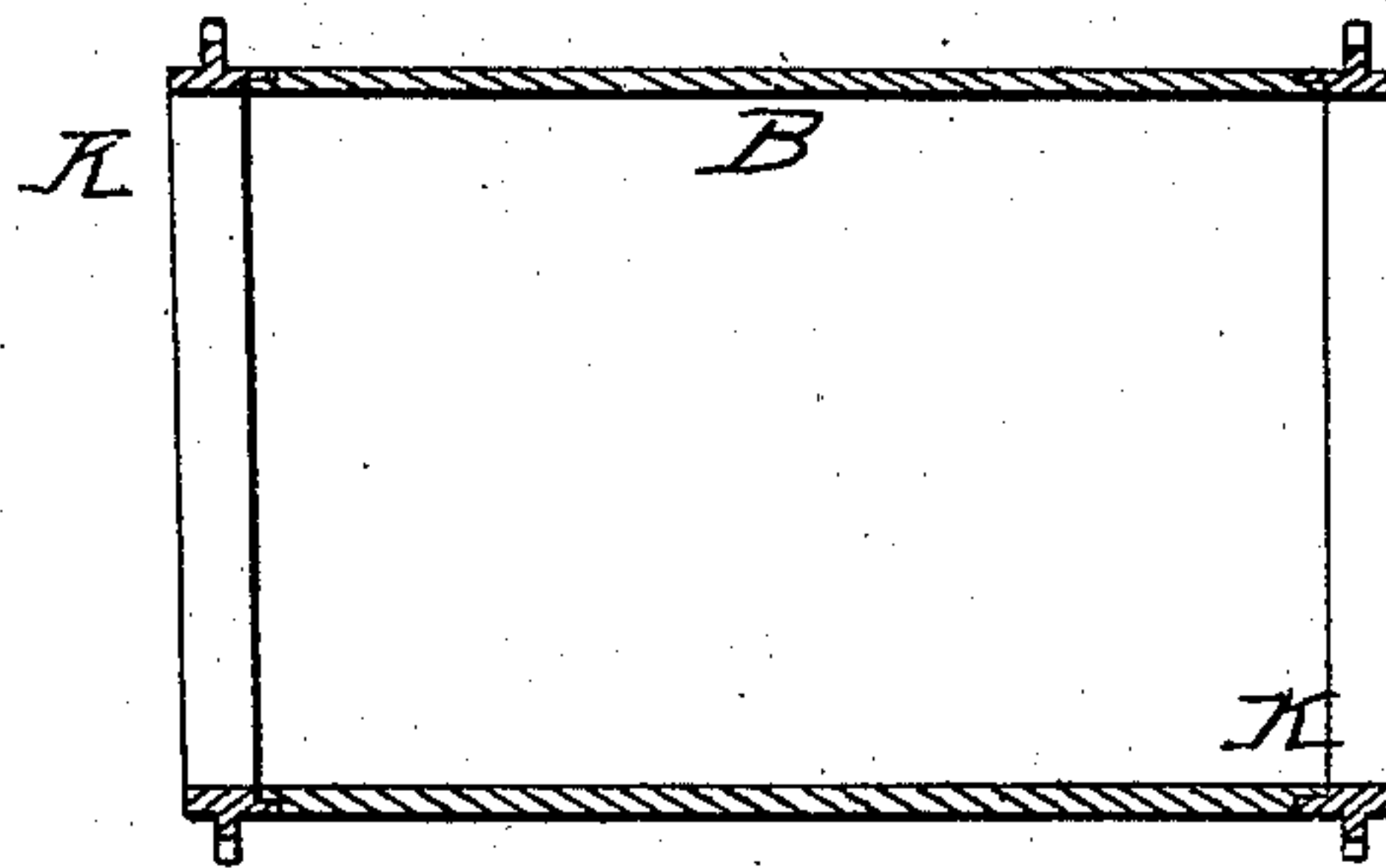
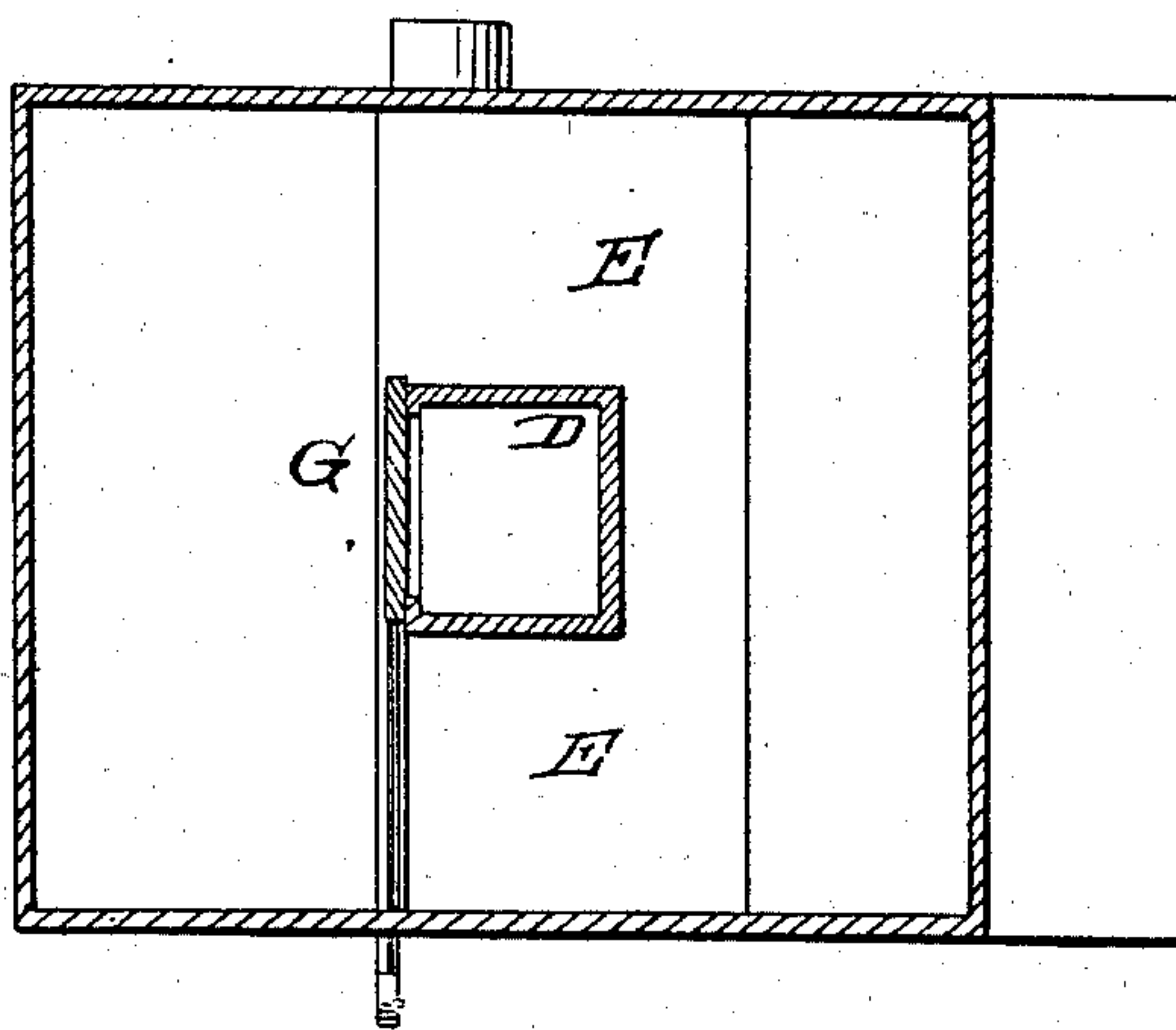


Fig. 3



UNITED STATES PATENT OFFICE.

SAMUEL B. SEXTON, OF BALTIMORE, MARYLAND.

COOKING-STOVE.

Specification of Letters Patent No. 3,273, dated September 23, 1843.

To all whom it may concern:

Be it known that I, SAMUEL B. SEXTON, of the city of Baltimore and State of Maryland, have invented new and useful Improvements on my Patented Revolving-Oven Cooking-Stove, which are described as follows, reference being had to the annexed drawings of the same making part of this specification.

I term this stove "the combined revolving oven, and rotary top cooking stove."

This stove resembles exteriorly my patented stove. The improvements are principally in the addition of the rotary top, side flues, central flue or pipe, side pipe to be used in summer; also in the manner of making the rotary oven in segments.

Figure 1 is a perspective view of the stove as improved. Fig. 2 is a vertical longitudinal section of ditto. Fig. 3 is a transverse section of the revolving oven. Fig. 4 is a longitudinal section of ditto.

The rotary top lettered A, in the annexed drawings, is placed directly over the rotary oven B, and fire chamber C. It is perforated with suitable apertures, to admit the requisite boilers, or other culinary articles, and is turned by hand, by means of suitable handles, and is also perforated in the center for the vertical smoke pipe D to pass through around which it revolves. Two side flues E are constructed below this rotary top, and on either side of the vertical smoke pipe D to admit the draft to either side of the stove, in passing around the revolving oven. These side flues are formed by the side plates of the stove, the sides of the center vertical pipe D, the horizontal plate F over the space behind the fire chamber, and the revolving plate. The central smoke pipe is placed in the center of the stove in the middle of the aforesaid horizontal plate F between the fire chamber and revolving oven; in which pipe the draft is conducted directly before passing around the oven, through an aperture in said pipe, opened or closed by a sliding valve or damper G. The aforesaid central smoke pipe D is made square, like a box, but may be made of any convenient shape and size, and is set directly over a corresponding opening in the aforesaid horizontal plate F, having an opening in the side next the fire chamber, as before stated, opened or closed by a sliding valve G, as described, and a round opening in the top fitted with a cylindrical collar H, over which the horizontal

revolving plate or rotary top A turns, the top of said pipe outside the collar serving as a shoulder upon which the plate turns, so that in kindling the fire, or when it is desired that the draft should be quick, and not pass around the oven, the aforesaid valve is drawn out; and on the other hand, when the draft is to be turned around the oven through one or both side flues, the said valve is pushed in, or shut, which causes the smoke and heat, to circulate over and around the oven and pass up through said central pipe, to the chimney.

In warm weather, or when it is required to turn the stove around, so as to bring its side next the fire place, and with a view of shortening the smoke pipe, and increasing the room in the kitchen, I make use of a short side pipe I, inserted into a corresponding aperture in the side of the stove communicating with the space or flue directly behind the fire chamber and between it and the oven, in which arrangement the top of the central pipe is closed by a cap or cover, put upon the aforesaid collar H, thereby drawing the valve G out, the smoke will pass directly through the central pipe to said horizontal side pipe and thence to the chimney.

The revolving oven B is cast in segments rabbeted on the ends and sides for the convenience of fitting the pieces together, the segments composing the cylindrical oven when put together and held securely by cylindrical hoops or bands K put over the ends of the same, said hoops or bands being coggled on the periphery to admit the pinion L which works into the same and by which the oven is turned, in the manner described, in my former patent.

What I claim as my invention and which I desire to secure by Letters Patent is—

1. The combination of the rotary top with the revolving oven in the manner before described.

2. The arrangement of the central vertical pipe over which the rotary top turns and through which the draft is conducted as described.

3. The arrangement of the horizontal side pipe as described.

SAMUEL B. SEXTON.

Witnesses:

GEO. RIGGS,
J. JACKSON.