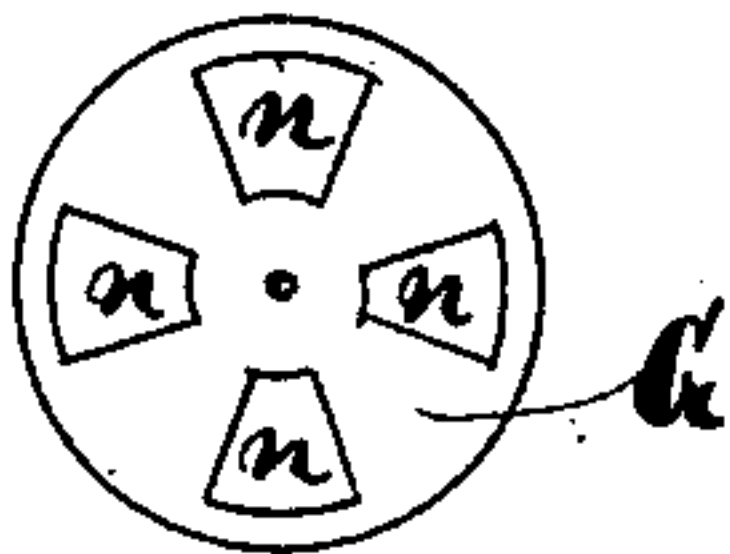
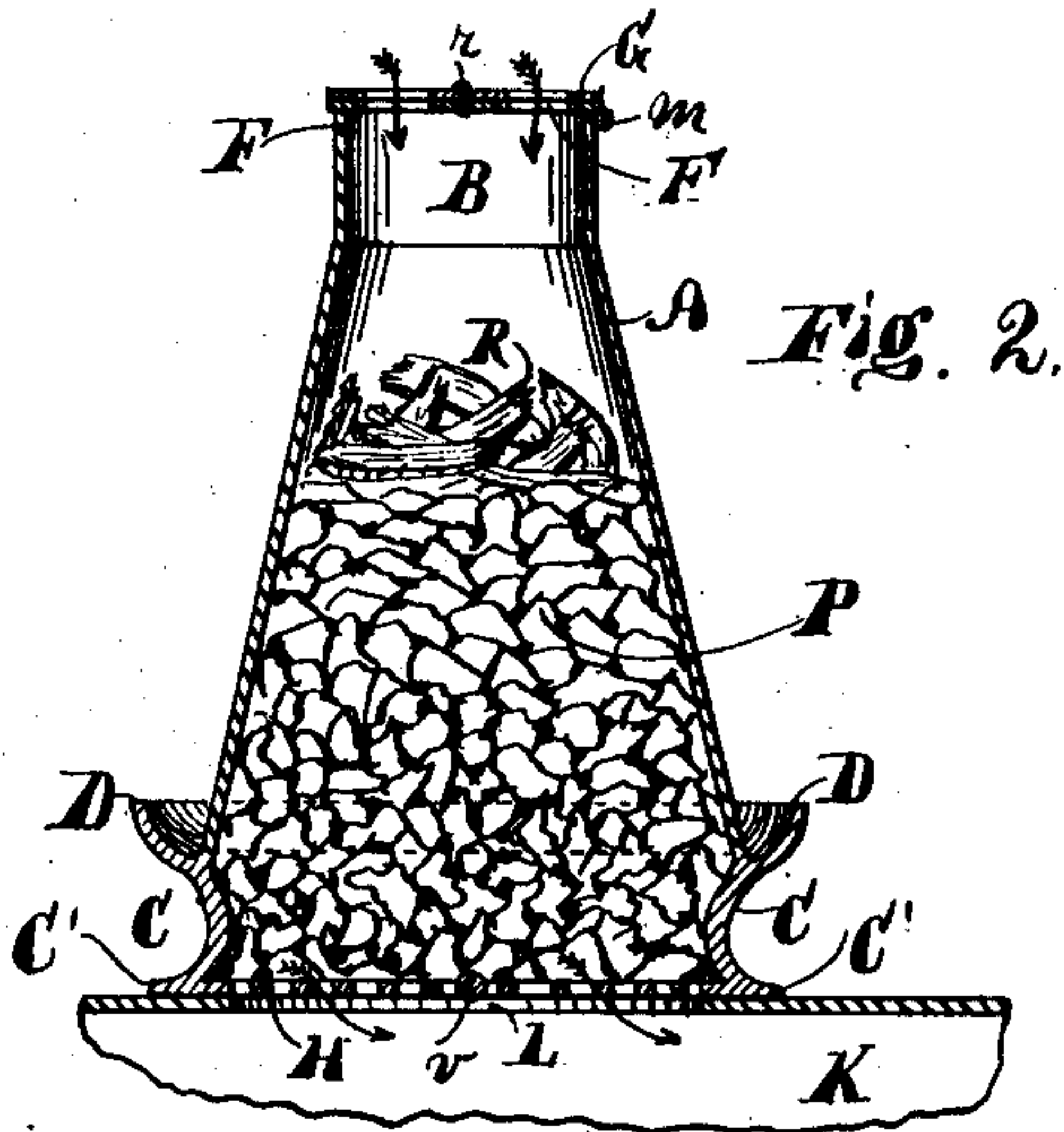
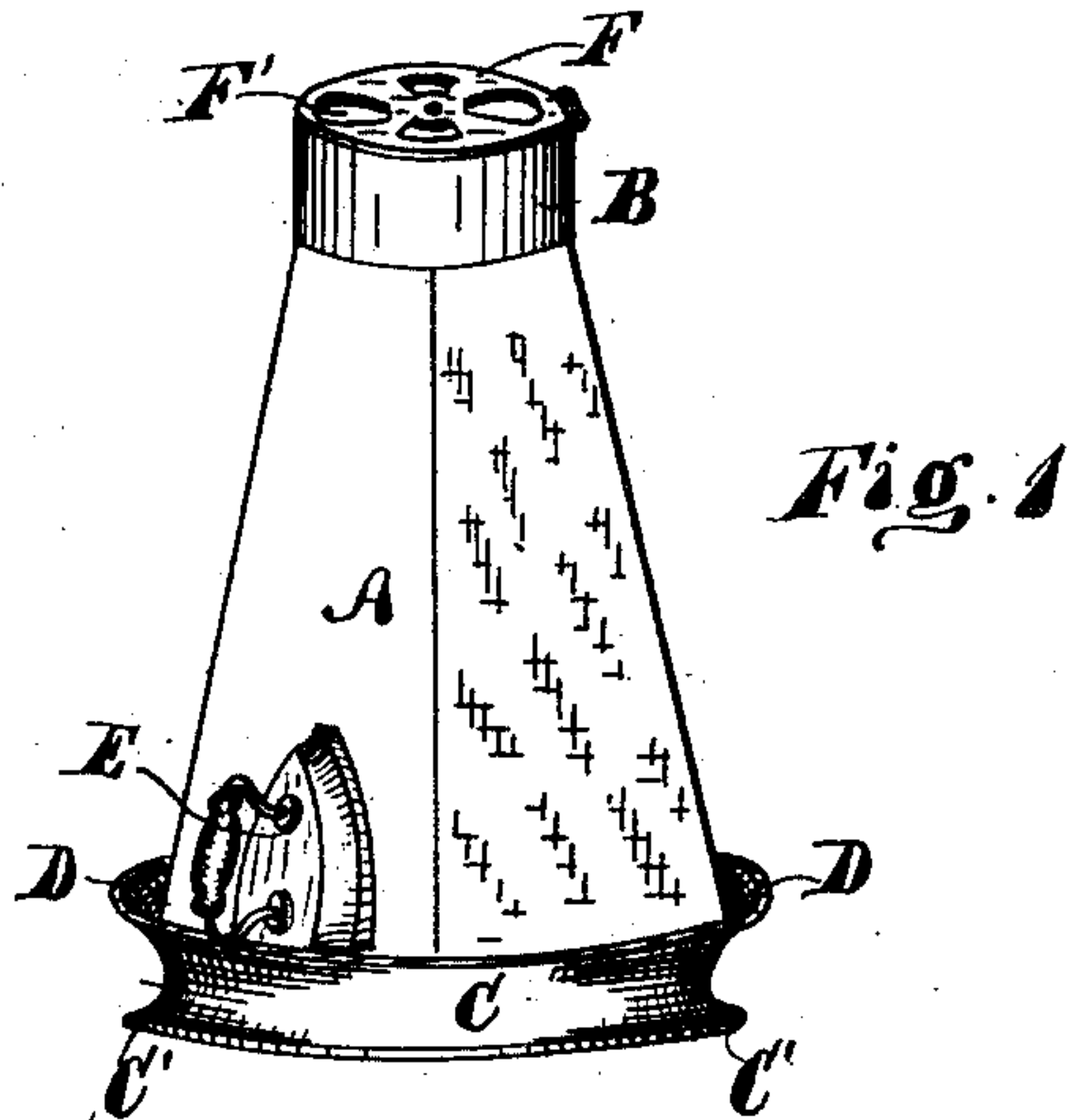


(No Model.)

W. W. WEBB.
SAD IRON HEATER.

No. 244,779.

Patented July 26, 1881.



WITNESSES;
Leonard D. March
Geo. H. Bennett.

Fig. 3

INVENTOR.
William W. Webb.
Per E. D. Frink.
his Attorney

UNITED STATES PATENT OFFICE.

WILLIAM W. WEBB, OF INDIANAPOLIS, INDIANA.

SAD-IRON HEATER.

SPECIFICATION forming part of Letters Patent No. 244,779, dated July 26, 1881.

Application filed January 6, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. WEBB, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Downward-Draft Furnace for Heating Sad-Irons, of which the following is a specification.

My invention relates to improvements in furnaces for heating sad-irons, in which the fuel is burned from the top to the bottom; and the object of my invention is to provide a downward-draft furnace to fit on stoves of any kind, by means of which sad-irons may be heated. This object I accomplish by the device illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of the entire device. Fig. 2 is a vertical section of the same, and Fig. 3 is a plan view of the damper.

A represents the fire-pot, which may be made with any number of flat sides for the faces of the irons to rest against. The fire-pot is larger at its base than at its top. Its top is made cylindrical, as shown at B, and is provided with a cover, F, having openings F' for draft. Above this cover, which is hinged to the cylindrical part B at *m*, is a perforated damper, G, which turns on a pivot-bolt, *r*, so as to open or close the holes F' in the cover. The base C of the fire-pot is provided at its upper edge with a flaring rim, D, for the heels of the irons to rest on, and its lower flange, C', is adapted to fit over any ordinary stove-hole. The flange C' is open in its center and provided with a grate, H, which is pivoted to the flange C' by the pivots *v*, which are diametrically opposite each other. Thus the grate is adapted to be turned on the center when required, as will be hereinafter described.

The operation of my improved furnace is as

follows, to wit: The furnace is placed over a hole, L, of any ordinary stove, K, and the fire-pot is filled with coal P. The kindling R is placed above the coal and ignited. The draft, being downward, causes the fuel below to ignite and throw its heat outward. The irons are then placed on the flange D with their faces resting against the flat surfaces of the fire-pot, where they are heated. One furnace full of coal is sufficient for one ordinary ironing; but in case the fire-pot has to be replenished with coal, the damper G is shut off and the fire-pot turned over. The grate is then tilted or turned on its pivots and fresh fuel inserted. The grate is then closed, the fire-pot reversed, and again placed on the stove.

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

1. A sad-iron heater consisting of a flaring fire-pot, A, with flat tapering sides, the cylinder-top B, with perforated cover F, hinged at *m* to the side of the cylinder, the damper G, the base C, with flange D for the irons to rest on, the flange C', with grate H, all constructed and arranged to operate substantially as specified.

2. In a sad-iron furnace having a downward draft, the flat-sided fire-pot A, with cover F and damper G, and the base C, with flange D and grate H, said furnace adapted to receive fuel on the grate and kindling above the fuel and to heat sad-irons by a downward draft, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM W. WEBB.

Witnesses:

E. O. FRINK,
G. H. RENNETT.