

G. R. MOORE.

Damper.

No. 62,557.

Patented March 5, 1867.

Fig. 1

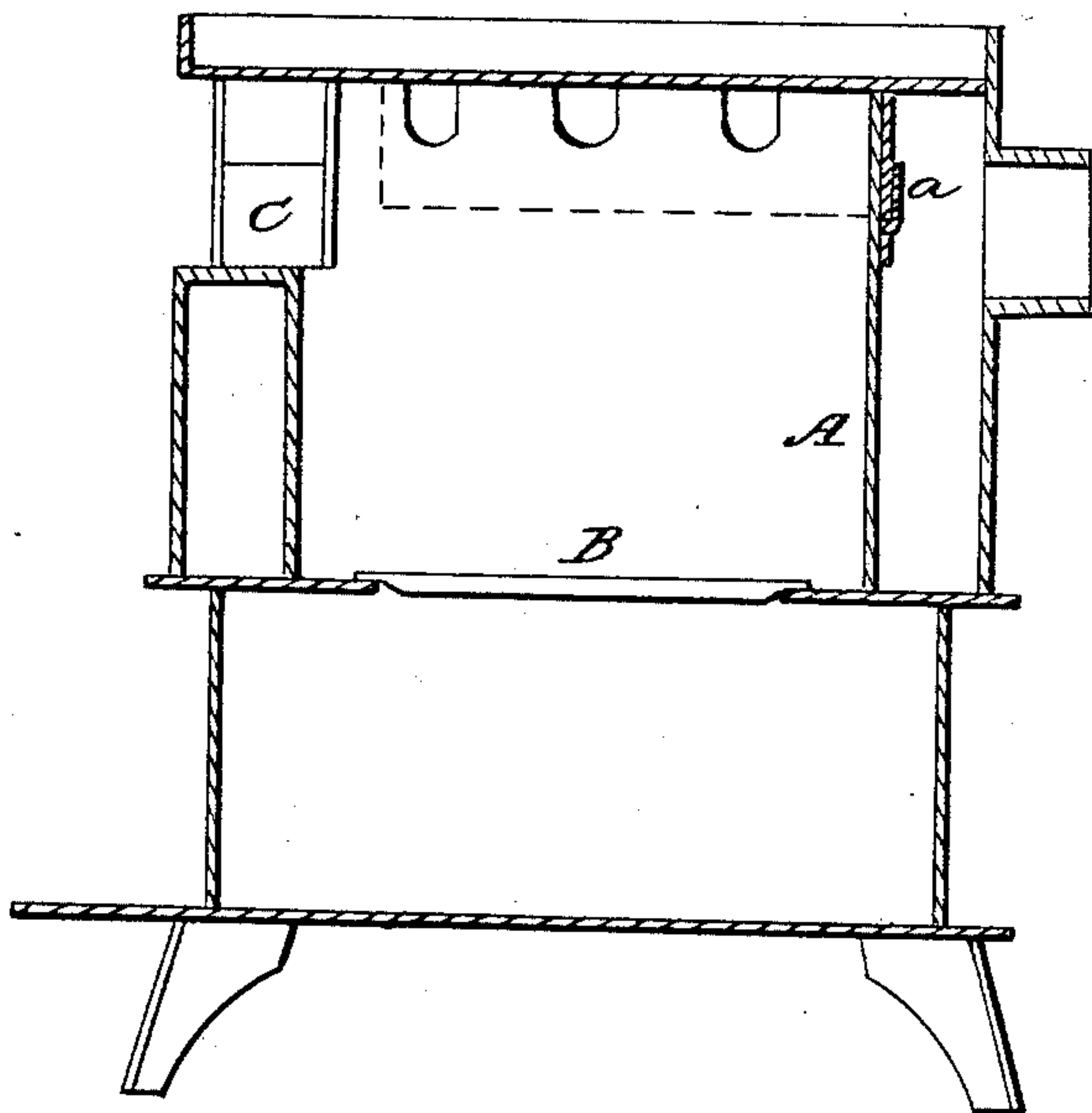


Fig. 2

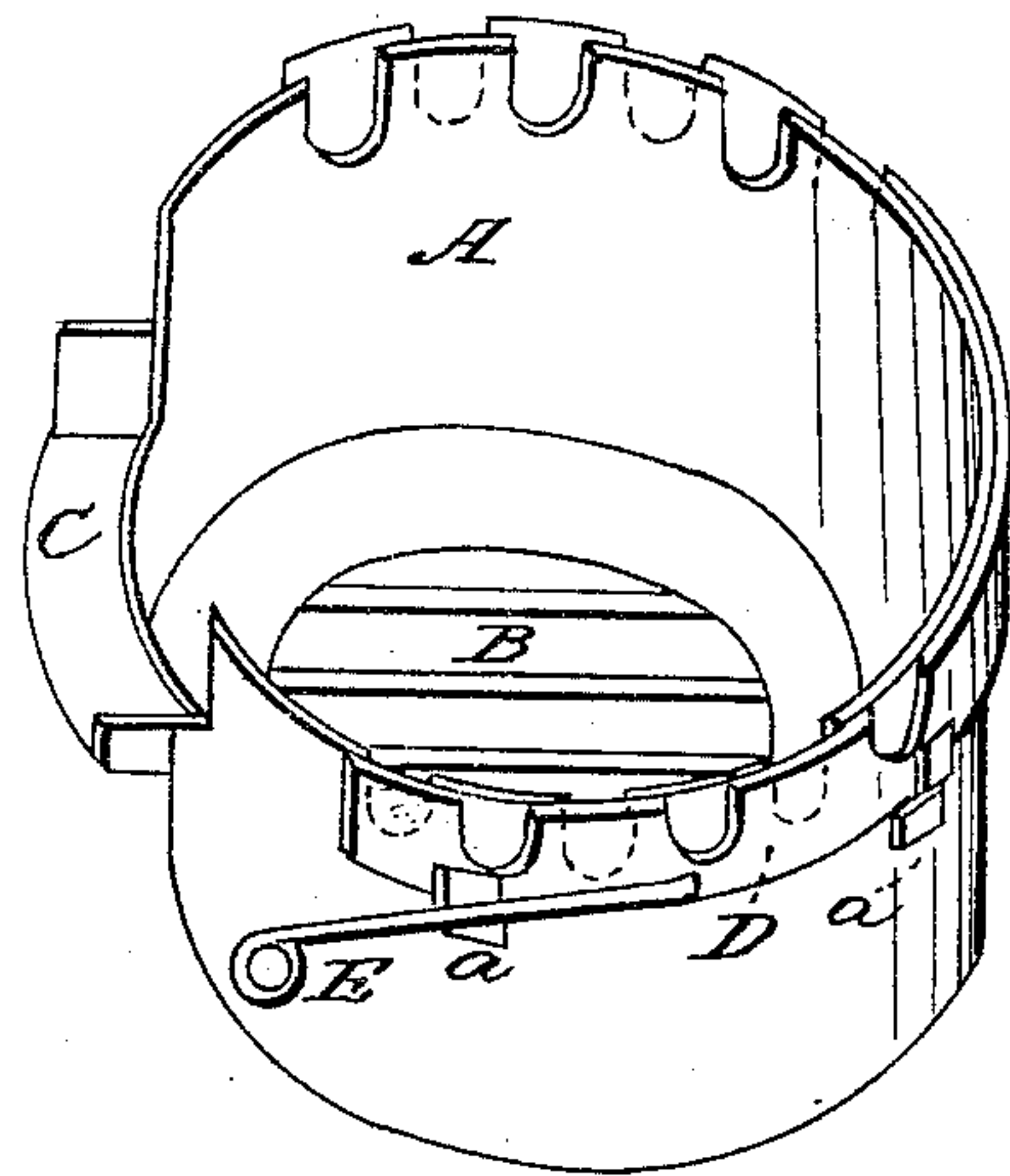
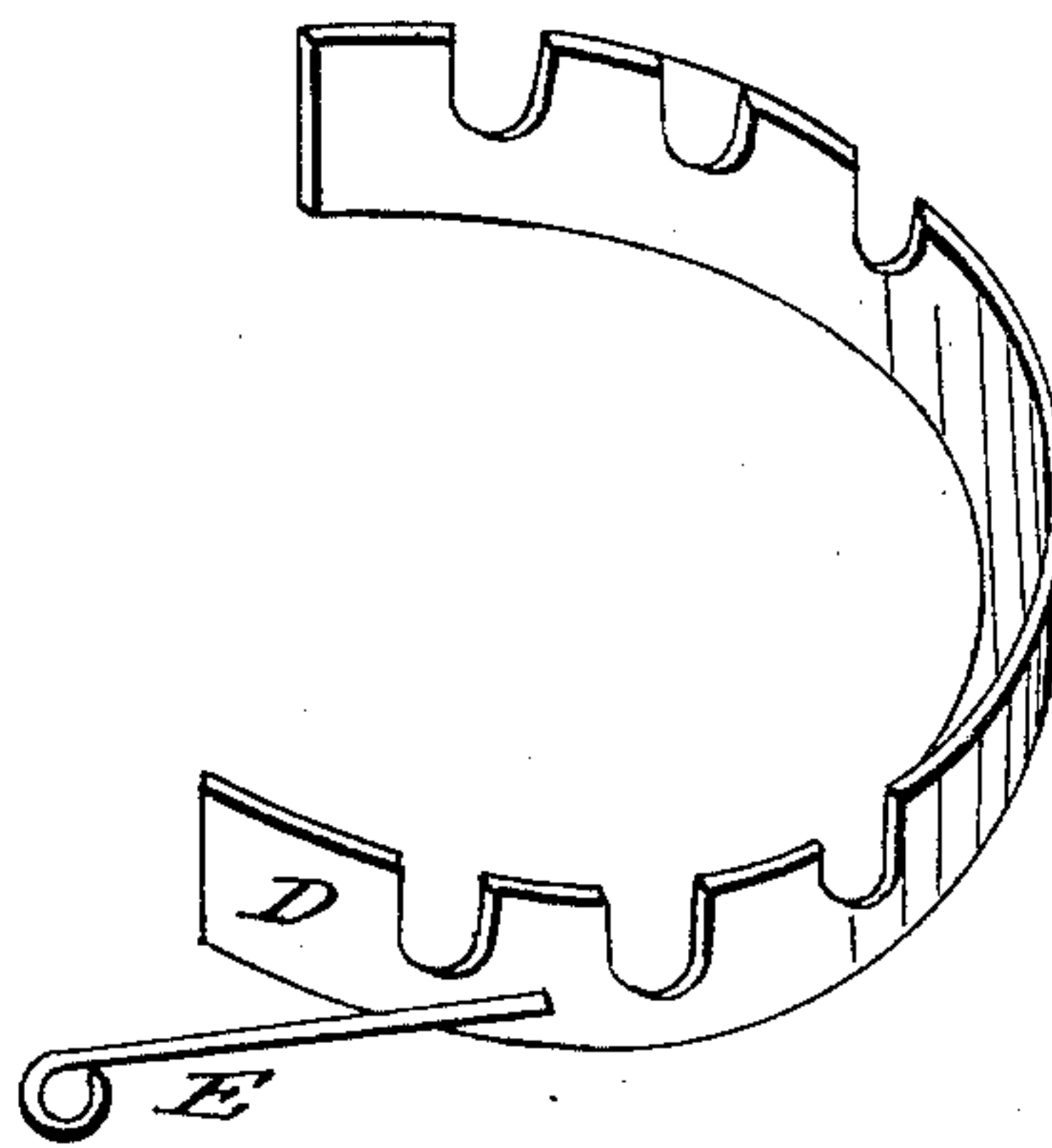


Fig. 3



Witnesses:
Stanley Clayton
Edward Brown

Inventor:
Geo. R. Moore

United States Patent Office.

GEORGE R. MOORE, OF LYONS, IOWA.

Letters Patent No. 62,557, dated March 5, 1867.

IMPROVEMENT IN DAMPERS FOR FLAT-IRON HEATERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE RODNEY MOORE, of Lyons, in the county of Clinton, in the State of Iowa, have invented certain new and useful improvements in Heaters; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is to apply a regulating damper to the apertures, for the products of combustion, in the fire-chamber of the flat-iron heater, for which a patent was granted to me August 9, 1864. In this heater the products of combustion pass first through small openings or niches in the top of the fire-chamber, into an annular chamber which surrounds it, and thence into the smoke pipe. I now apply a regulating damper immediately to these openings or niches in the fire-chamber.

Figure 1 is a longitudinal section of the flat-iron heater, showing the location of the fire-chamber and the annular chamber about it, with the openings to which the damper is applied at the top of the fire-chamber.

Figure 2 is a perspective view of the fire-chamber with the damper applied.

A represents the fire-chamber; B, the grate; C, the mouth-piece, extending outward from the fire-chamber to the door of the outside casing; D, the damper; E, the draw-rod, the ring or handle of which extends to the outside of the casing for convenience in manipulating the damper D; *a a a*, stays or guides to keep the damper in place when drawn or pushed around by the rod E as much as may be required to open or close the apertures to which the damper is applied.

Figure 3 is a perspective view of the damper alone.

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

The application of the damper D, or its mechanical equivalent, to the fire-chambers of heaters having an annular chamber for a flue from the fire-chamber to the smoke pipe, and substantially in the manner and for the purposes herein set forth.

GEO. R. MOORE.

Witnesses:

EDW. BROWN,
STANLEY C. HYLTON.