

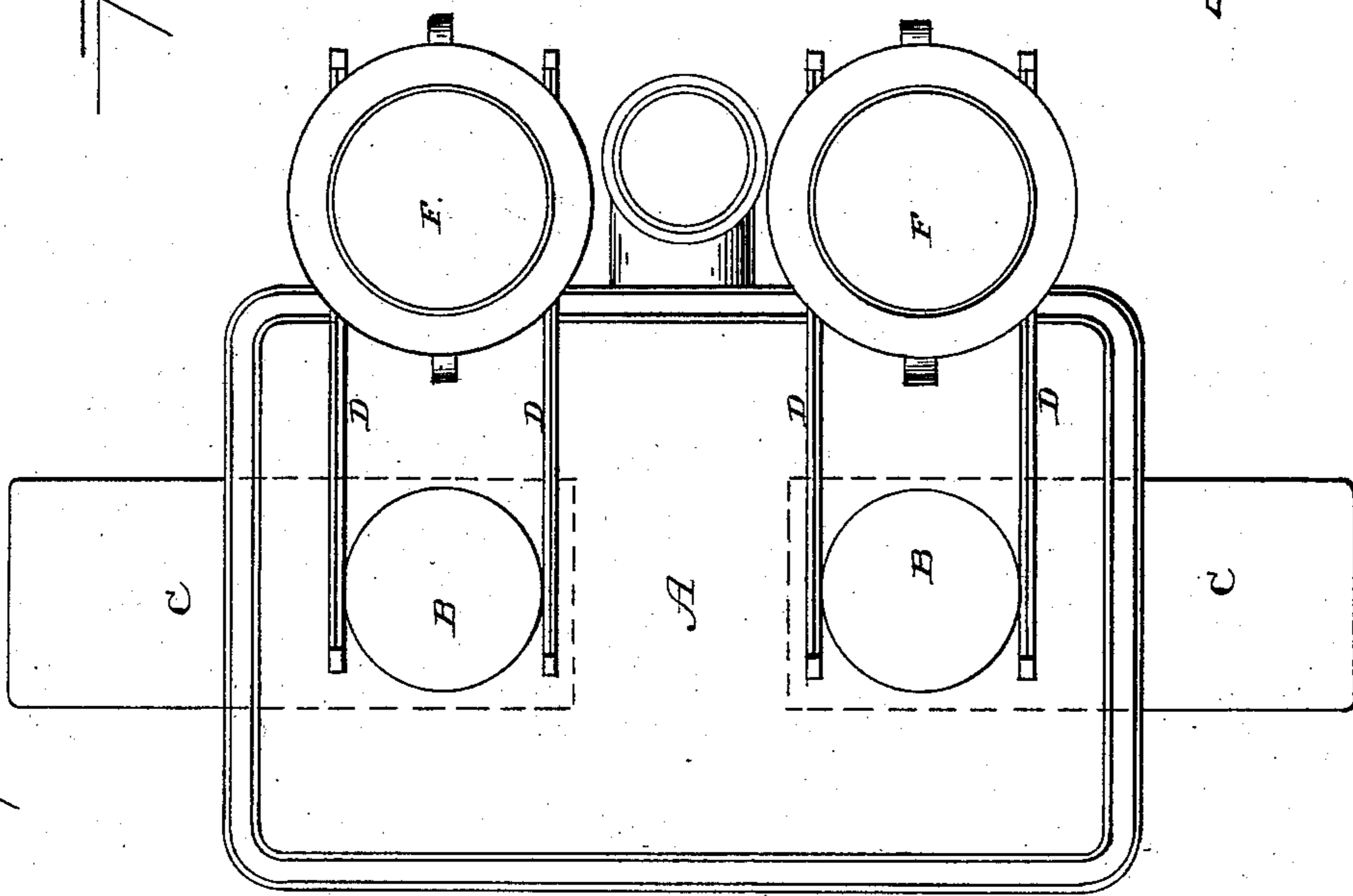
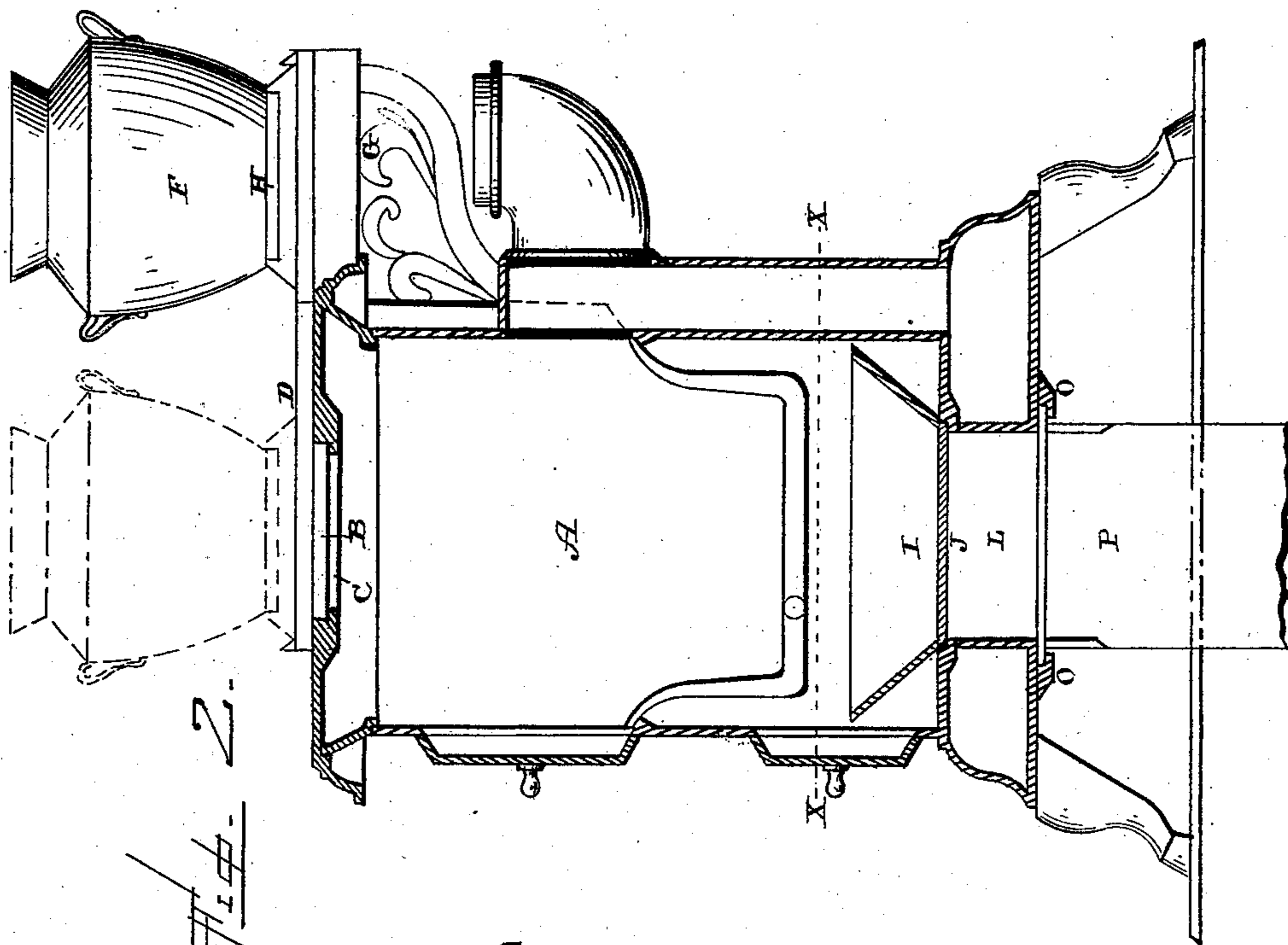
(No Model.)

2 Sheets—Sheet 1.

A. M. BELDEN.
MAGAZINE STOVE.

No. 372,109.

Patented Oct. 25, 1887.



WITNESSES.
R. F. Gardner
Edm. P. Ellis.

INVENTOR.
Ann M. Belden,
per J. A. Lehmann, atty.

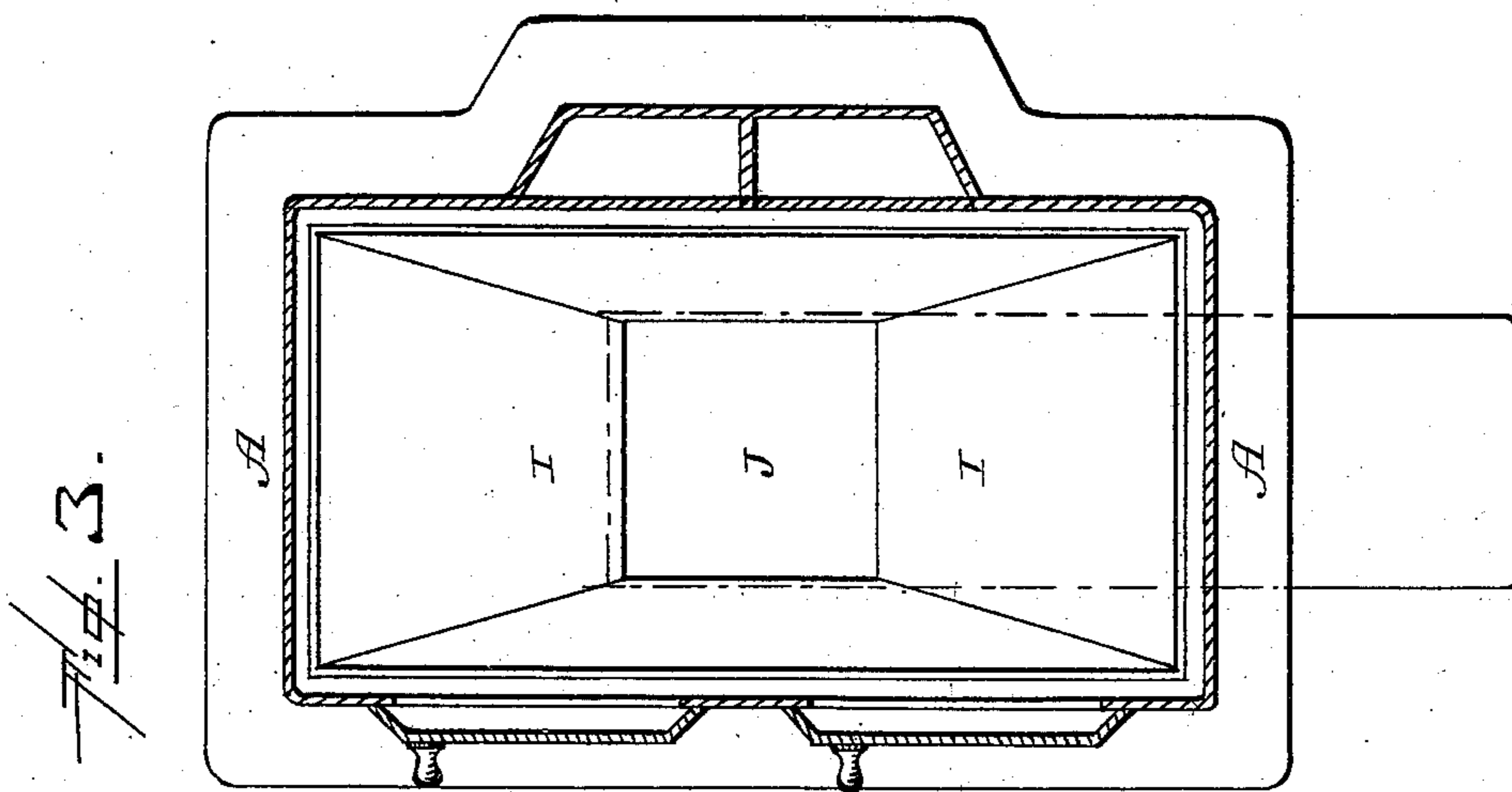
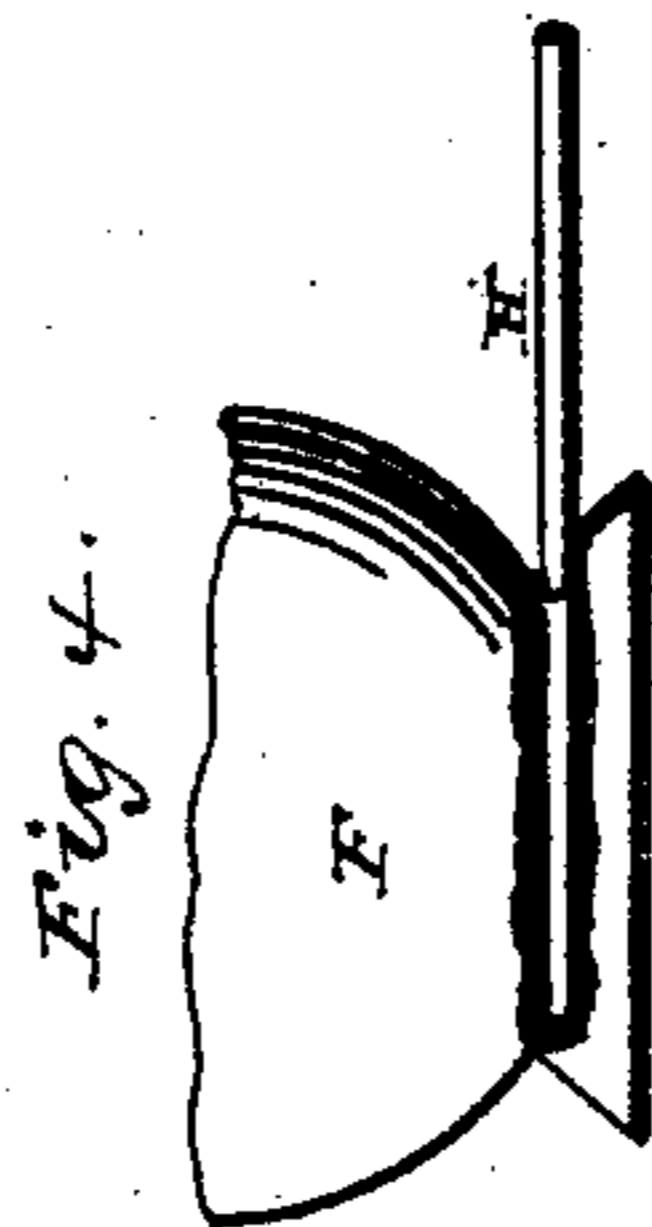
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MAGAZINE STOVE.

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WITNESSES.
L. J. Gardner
Edm. P. Ellis.

INVENTOR
Ann M. Belden,
per
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UNITED STATES PATENT OFFICE.

ANN MACY BELDEN, OF BLOOMINGTON, ILLINOIS.

MAGAZINE-STOVE.

SPECIFICATION forming part of Letters Patent No. 372,109, dated October 25, 1887.

Application filed March 15, 1887. Serial No. 230,976. (No model.)

To all whom it may concern:

Be it known that I, ANN MACY BELDEN, of Bloomington, in the county of McLean and State of Illinois, have invented certain new and useful Improvements in Magazine-Stoves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in magazine-stoves; and it consists in a stove having guides or ways placed on its top, so that the magazine, provided with a movable bottom and holding the fuel, can be moved forward over the stove, the bottom drawn out, so as to discharge the fuel into the stove, and then the magazine moved back out of the way, as will be more fully described hereinafter.

The objects of my invention are to provide a magazine-stove with a movable magazine, which after the stove has been filled can be moved back out of the way, and thus prevent the coal from running together and clogging up the magazine.

Figure 1 is a plan view of a stove to which my invention is applied. Fig. 2 is a vertical section of the same. Fig. 3 is a vertical section taken on the line X X of Fig. 2. Fig. 4 is a vertical section of the lower part of the magazine, taken at right angles to Fig. 1.

A represents a stove of any suitable construction, which is provided with any suitable number of openings, B, upon its top. These openings are controlled by means of slides C, which are moved in and out from opposite ends of the stove, so as to close the openings at will. Placed upon the top of the stove and extending out from each opening B are the two tracks, ways, or guides D, upon which the movable magazine F is placed. The inner ends of these ways or guides extend up to or past the openings B, so that the magazine F can be moved into just the proper position to discharge its coal directly through the opening, and the outer ends of the ways or tracks extend beyond the side of the stove and are supported by means of the brackets G. These portions of the ways or guides which project beyond the sides of the stove may be formed

as a part of the supporting-brackets G, and these brackets, ways, or guides be made removable from the stove, so that the stove will take up less room in transportation. The magazine F will be given any desired shape or form, and is provided with a slide, H, in its bottom, for controlling the discharge of the coal therefrom. This magazine F is made to slide back and forth upon the ways or guides D, so that when it is desired to fill the stove with coal it can be moved directly over one of the openings B, the slides H C drawn out, any desired amount of coal discharged into the stove A, the two slides closed, and then the magazine moved back out of the way. One or more of these magazines may be used in connection with each stove, and after the magazine has once been filled it can be readily moved back and forth at will, thus saving much exertion to weak persons in supplying the stove with coal.

In the bottom of the stove is placed the conical ash-pan I, the bottom of which is formed by the slide J, which can be drawn out through one end of the stove whenever it is desired to empty the ashes. Extending downward from the bottom of this ash-pan is the tube or conductor L, through which the ashes pass when the slide J is drawn out. On the under side of the stove-frame are cast suitable lugs or supports, O, with which the upper end of the conductor P engages, and by means of which the conductor P is held securely in position. The lower portion of this conductor passes down through the floor into an ash pit or cellar beneath. When the slide J is drawn out, the whole contents of the pan I is dropped through the pipes or conductors L P into the cellar, and thus all of the trouble and dirt arising from having to take out the pan and empty it is avoided.

The magazine may be divided into two or more compartments, which are entirely separate from each other, so that a greater or less amount of coal may be emptied into the stove, as may be desired. It is immaterial whether the magazine is provided with vertical partitions or is provided with one or more slides or valves which pass into its side. Each of these magazines will be provided with suitable handles, by means of which they may be taken from the stove out of the house to be filled,

thereby avoiding the dust in the house arising from pouring the coal into the magazine. These magazines may either be filled while sitting upon the stove or while removed there-
5 from.

Having thus described my invention, I claim—

The combination of the stove A, the horizontal tracks or ways D, placed upon the top
10 of the stove and projecting beyond its rear edge at one end, the sliding receivers or maga-

zines F, provided with the movable slides H, and the slides C, placed in the stove and extending across the openings B, substantially as shown. 15

In testimony whereof I affix my signature in presence of two witnesses.

ANN MACY BELDEN.

Witnesses:

J. D. WELSH,
THOS. SLADE.