

(No Model.)

F. H. VANNAN.
STOVE LID.

No. 549,836.

Patented Nov. 12, 1895.

FIG. 1.

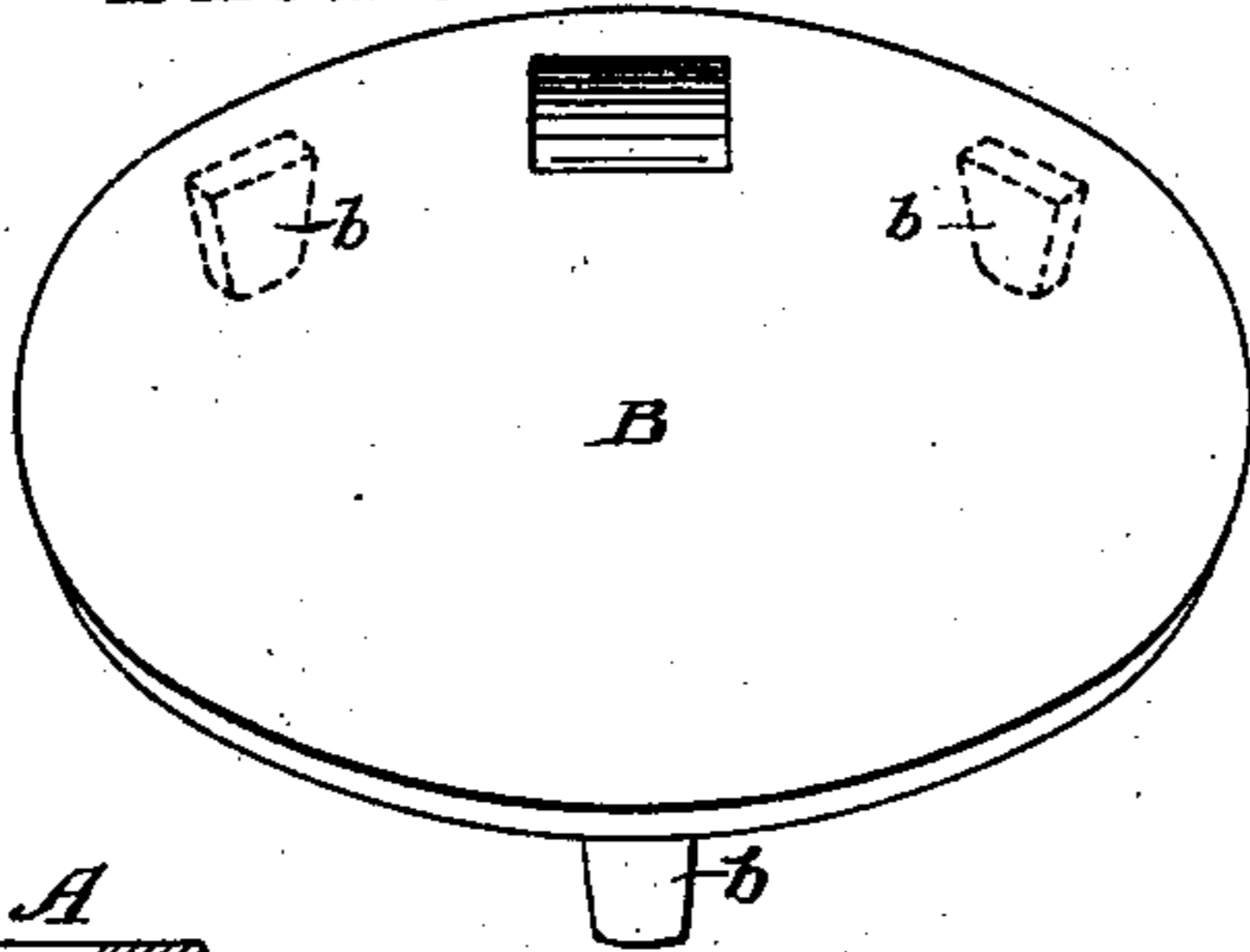


FIG. 7.

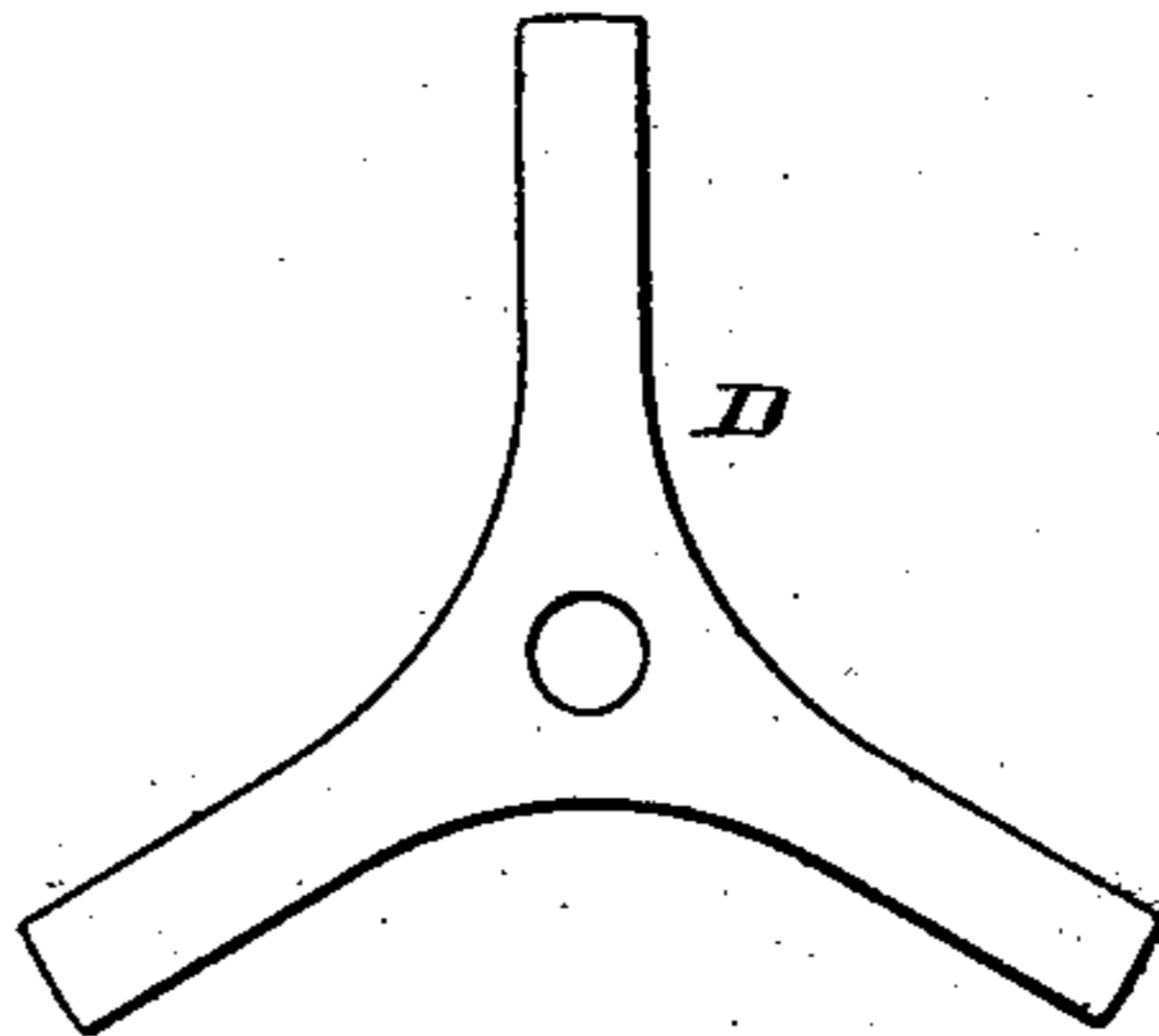


FIG. 8.

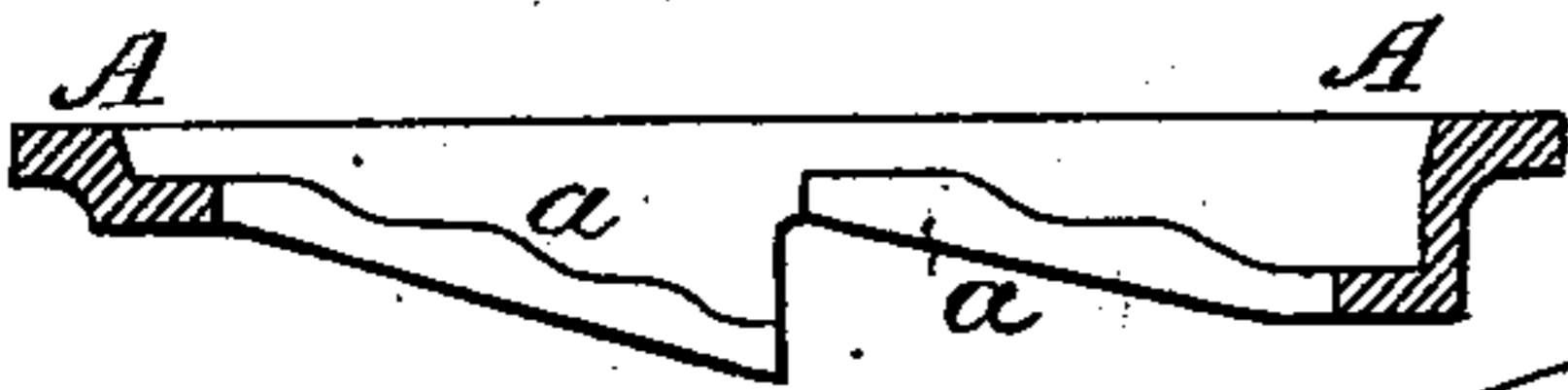


FIG. 2.

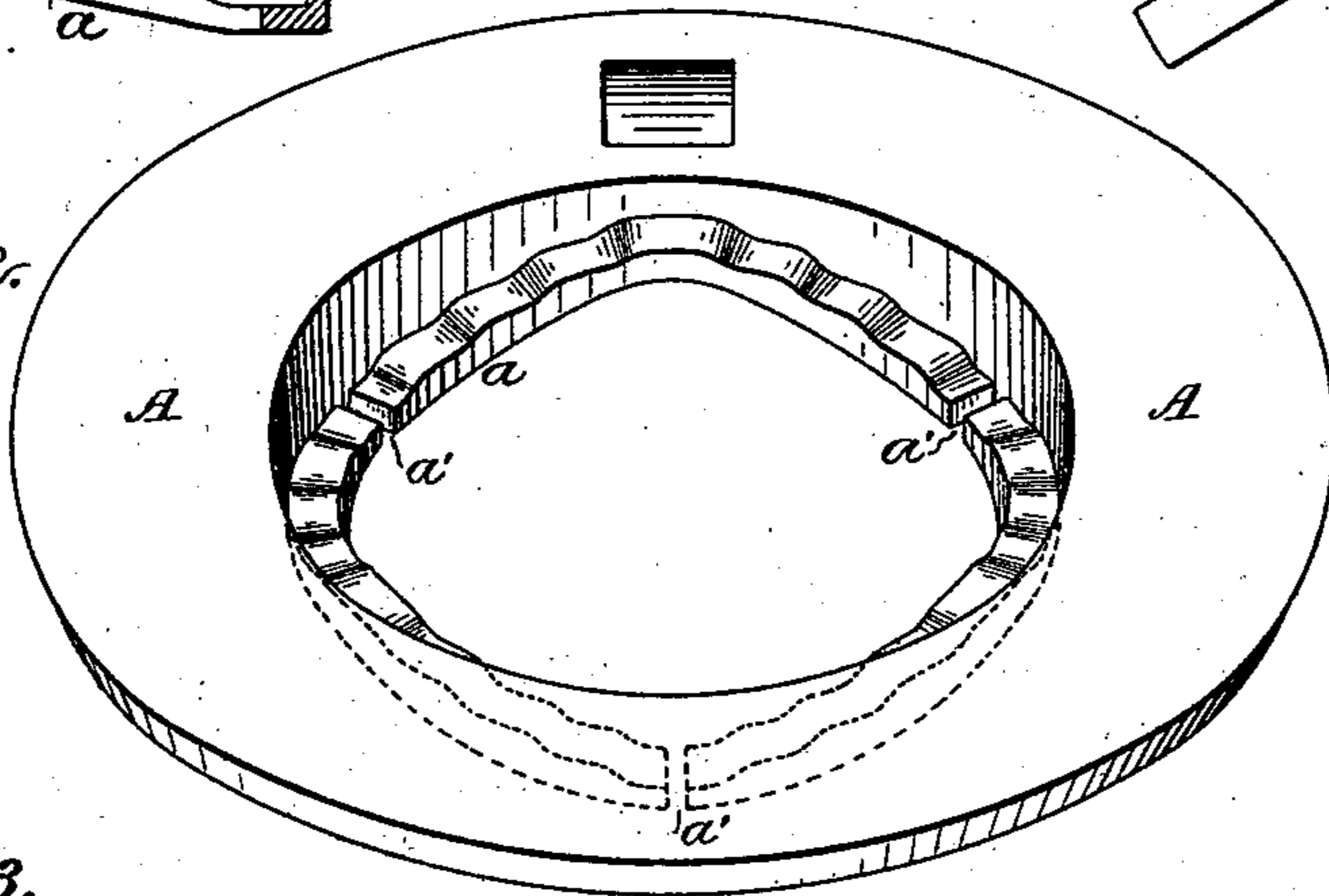


FIG. 3.

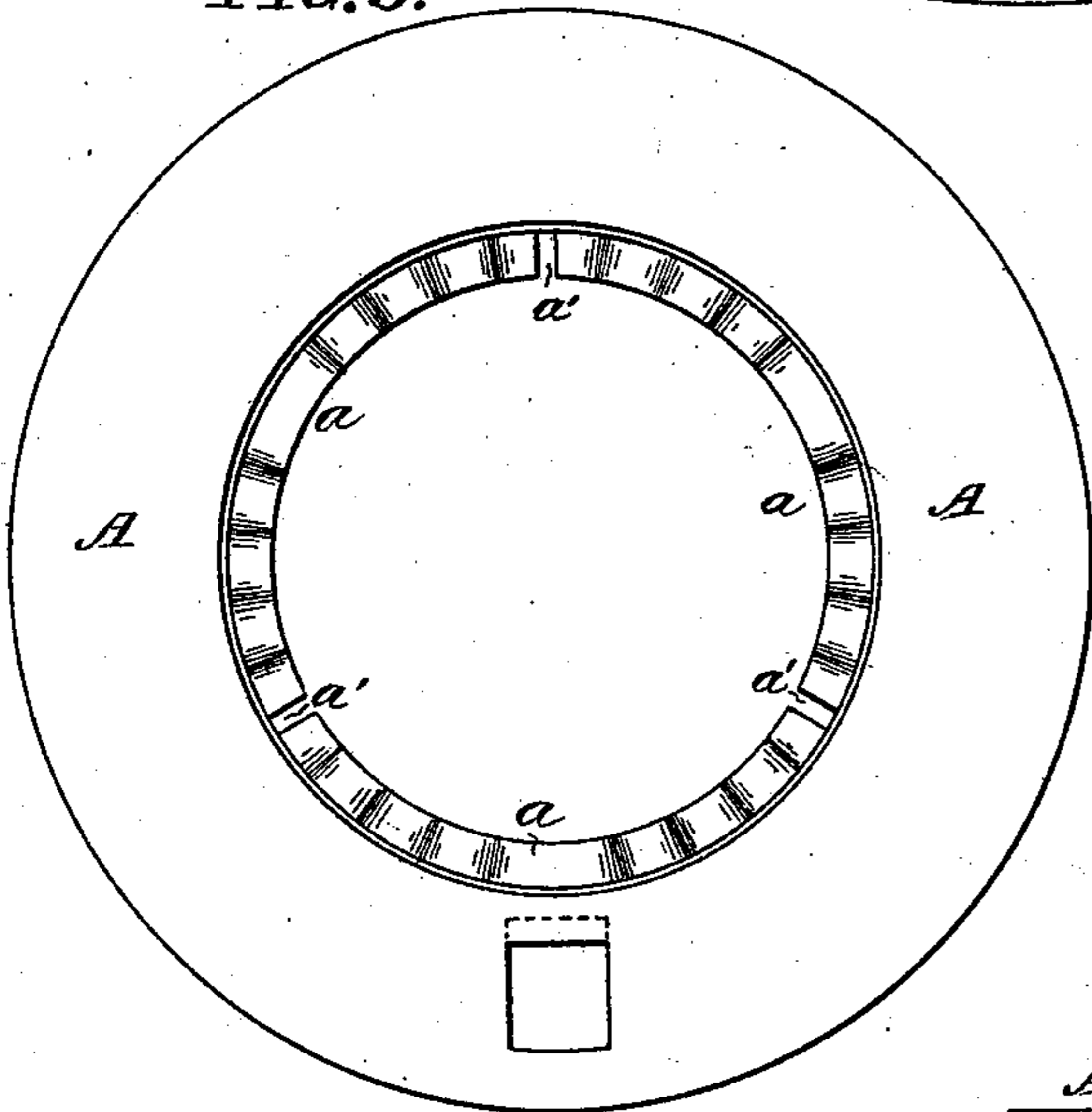


FIG. 4.

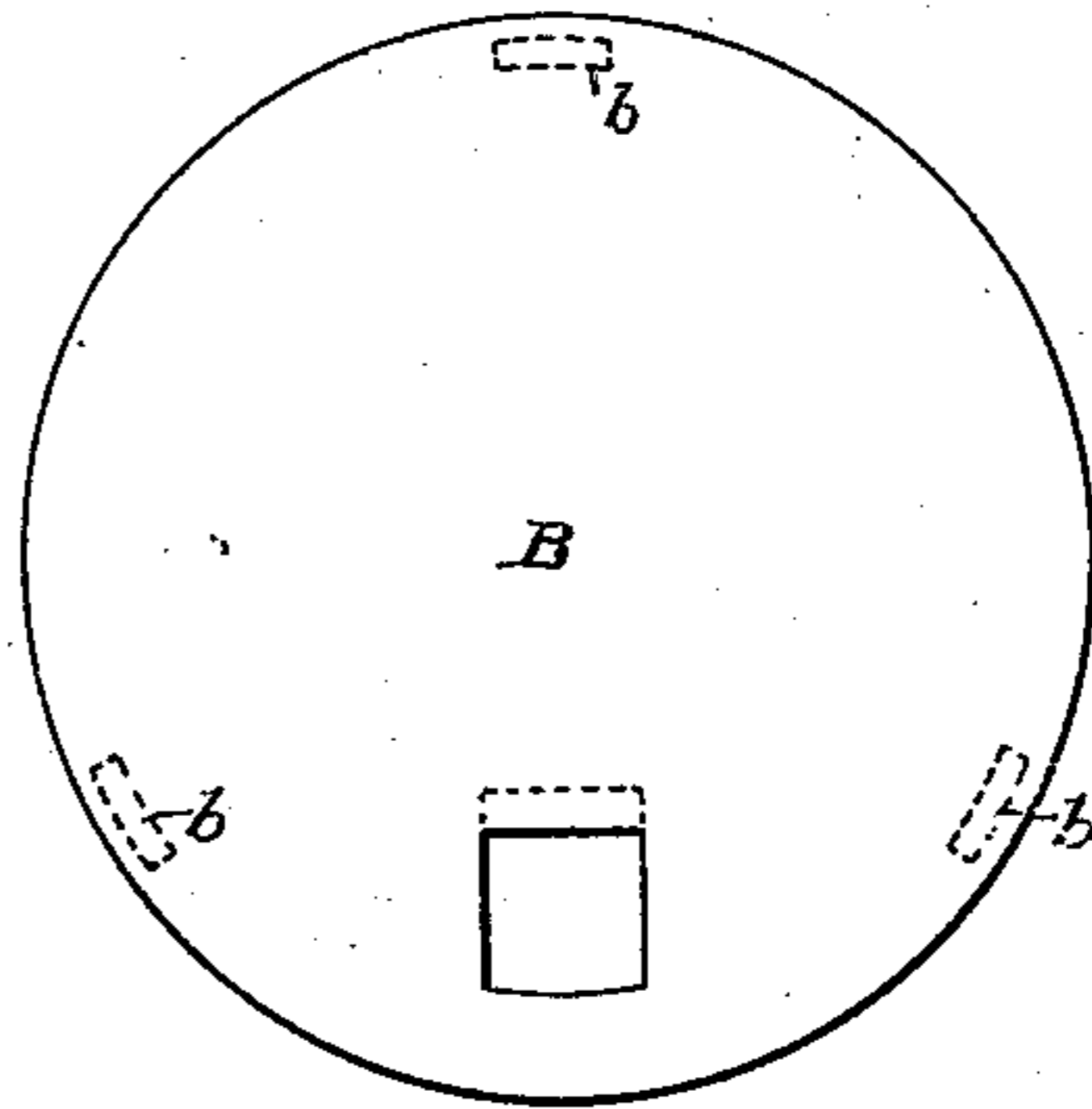


FIG. 6.

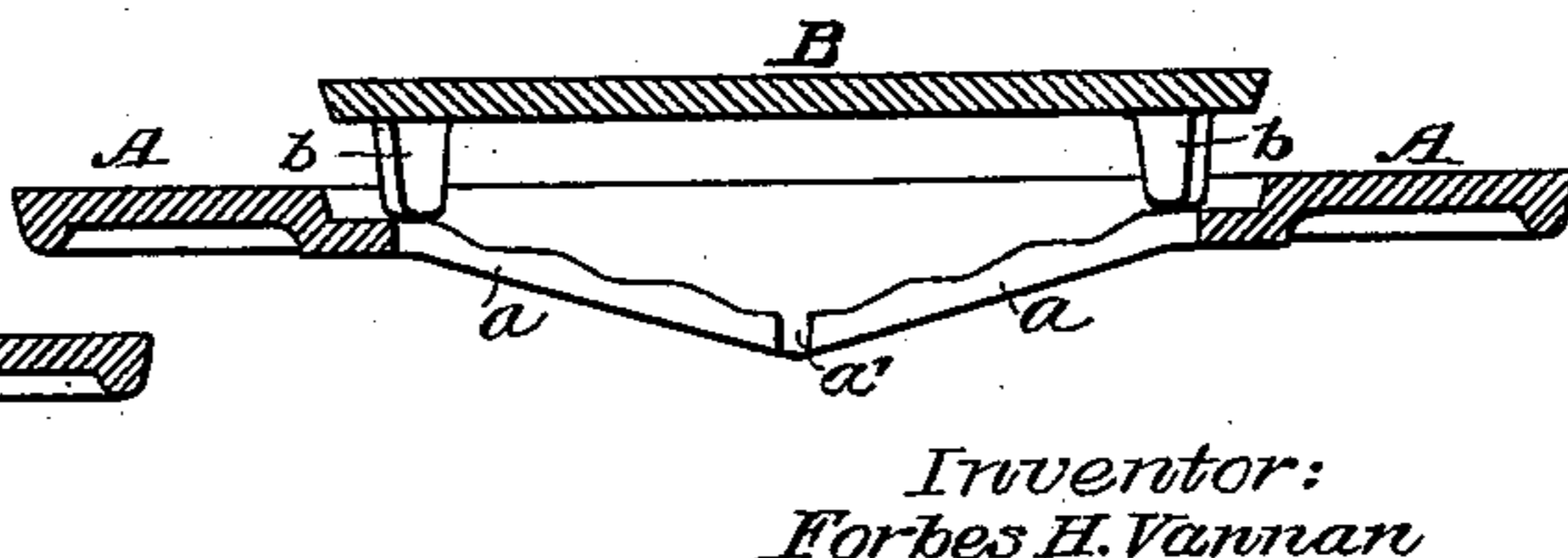
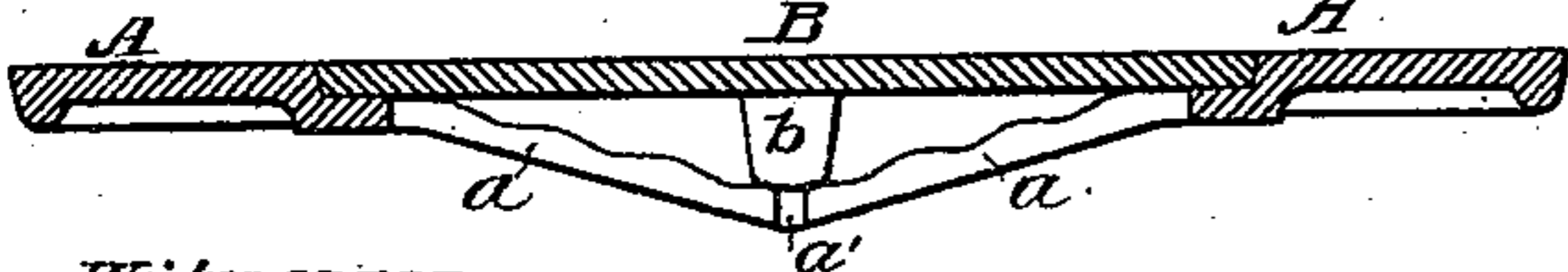


FIG. 5.



Witnesses:

Will A. Bass.
R. Schlicher.

Inventor:
Forbes H. Vannan
by his Attorneys

Henson & Henson

UNITED STATES PATENT OFFICE.

FORBES H. VANNAN, OF DANVILLE, PENNSYLVANIA.

STOVE-LID.

SPECIFICATION forming part of Letters Patent No. 549,836, dated November 12, 1895.

Application filed May 31, 1895. Serial No. 551,131. (No model.)

To all whom it may concern:

Be it known that I, FORBES H. VANNAN, a citizen of the United States, and a resident of Danville, Pennsylvania, have invented certain Improvements in Stove-Lids, of which the following is a specification.

My invention relates to that class of stove-lids which are made in two sections, an inner and outer section, one being movable in respect to the other.

The object of my invention is to so construct the lid that the central or inner section can be elevated at different heights above the outer section by simply turning it in one direction or the other upon camways formed on the outer section, as fully described hereinafter.

Referring to the accompanying drawings, Figure 1 is a perspective view of the central section. Fig. 2 is a perspective view of the ring-section. Fig. 3 is a plan view of the ring-section. Fig. 4 is a plan view of the central section. Fig. 5 is a sectional view through the lid, showing the lid closed. Fig. 6 is a sectional view showing the central portion of the lid raised. Fig. 7 is a view of the spider adapted to rest upon the ring-section when the central section is removed. Fig. 8 is a view of a modification.

A is the outer or ring section of the lid, having a cam-faced ledge *a*, and resting upon this ledge is a central section B of the plate, having projections or feet *b*, which are adapted to the ledge. I have shown in the drawings the central section B provided with three feet and the ring-section A provided with three cam-faced ledges, which are separated by slots *a'*. These slots prevent the cracking of the plate as the ledge extends toward the fire.

It will be understood that any number of camways may be used; but I find that three are sufficient,

When the central section B is closed and flush with the ring-section A, as shown in Fig. 5, the feet *b* of the central section rest in depressed portions of the camway, as shown in said figure; but on turning the central section B to the right or to the left this central section will be raised by the cam-faced ledges, as shown in Fig. 6, the feet of the central section B being supported by the ledge.

I preferably step the ledges *a*, so as to form flat resting-places for the feet of the central section B when turned to elevate the said sec-

tion, so that the section, when a pot or pan is placed upon it, will not slide down the camway and close.

While I have shown the lid provided with double cam-faced ledges, a lid having a single cam-faced ledge, as shown in Fig. 8, may be used without departing from my invention; but in this construction the section B can be turned only in one direction.

By removing the central section B and substituting a spider D therefor, Fig. 7, a small pan or pot can be placed upon the lid.

It will be understood that the main feature of my invention is the adjustment of the lid so that the draft of the stove or range can be regulated, as the opening can be increased or diminished, according to the amount of draft required, and, further, the central portion of the lid can be elevated while the pot or pan is resting upon that portion.

By constructing the lid in the manner described, I avoid the cracking of the lid, as each part is free to expand.

It will be understood that in some instances the ring-section A may form part of the top plate or lid-frame of the stove and the central section B may be the size of an ordinary lid; but I prefer the construction shown as giving the best results, and, furthermore, the lid, as constructed, can be applied to any of the stoves now in common use.

I claim as my invention—

1. The combination in a stove lid, of the ring section A having a series of double cam faced ledges, with a central section B having feet *b* adapted to the cam faced ledges so that on turning the central section either to the right or to the left it will be supported by the cam faced ledges above the face of the ring section at the elevation desired, substantially as described.

2. The combination of a ring section A having a series of independent cam faced ledges separated by slots *a'*, with a central section B having feet adapted to the ledges, substantially as described.

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

FORBES H. VANNAN.

Witnesses:

WILLIAM O. ANTRIM,
HERBERT C. MOYER.