

M. FRENCH.
Rotary Stove Top.

No. 2,666.

Patented June 11, 1842.

Fig. 2.

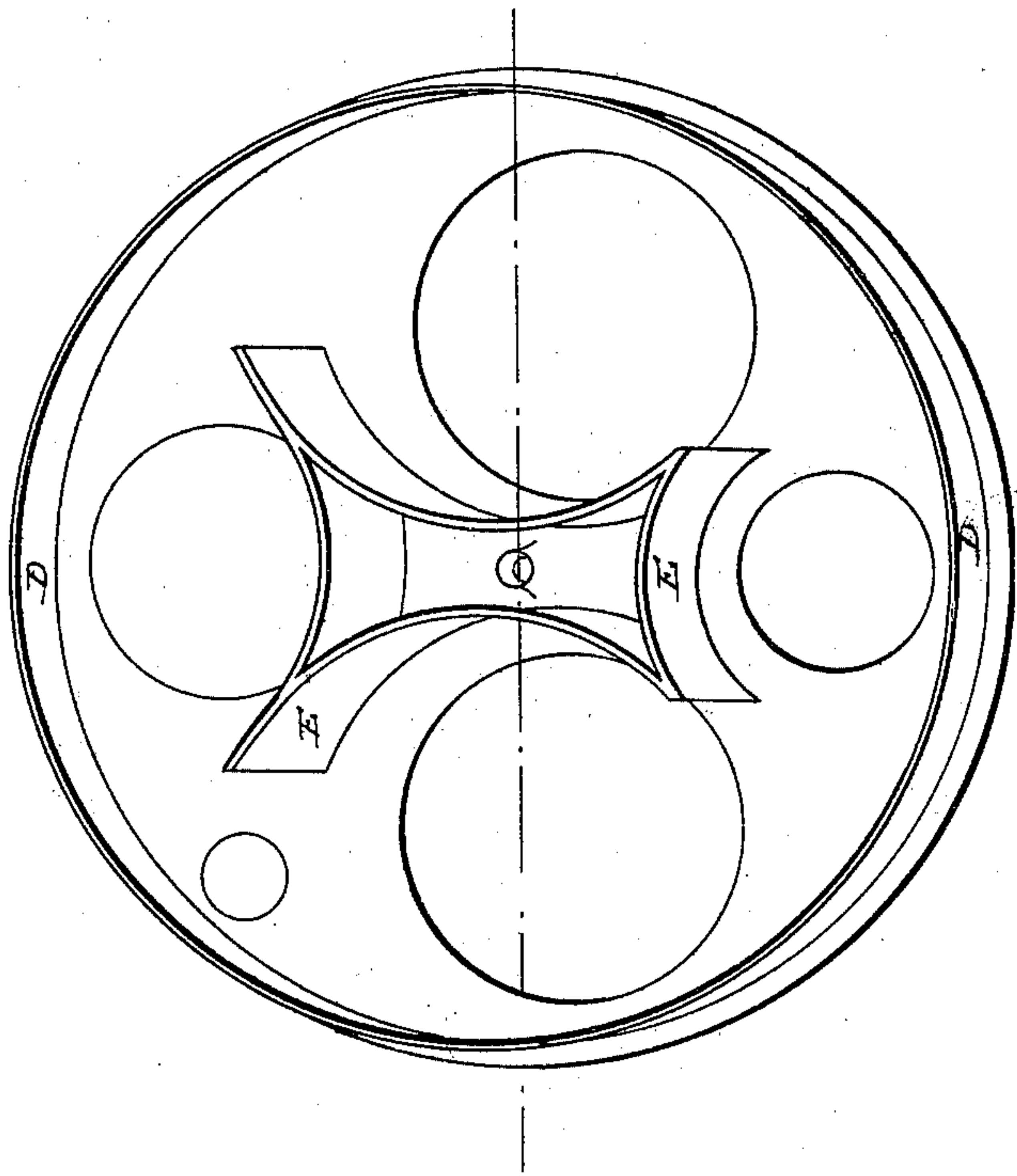


Fig. 3.

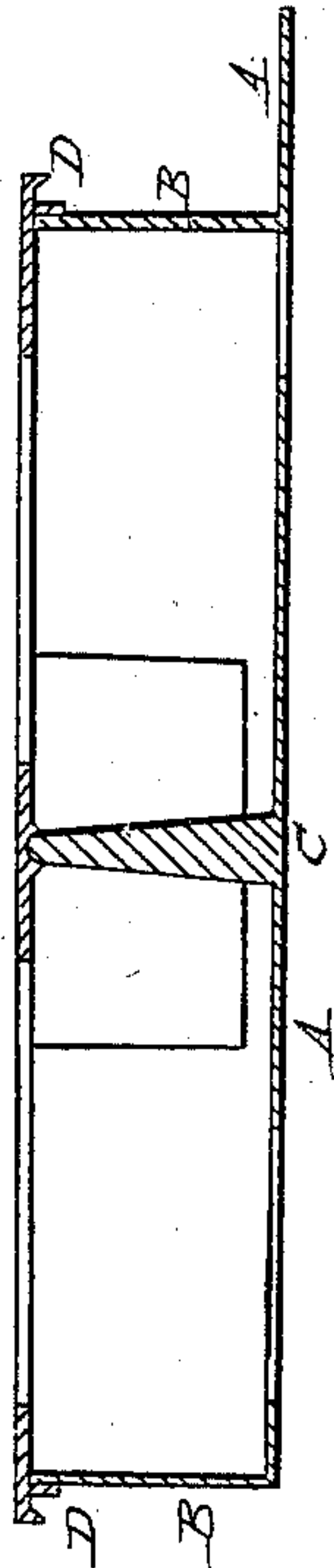
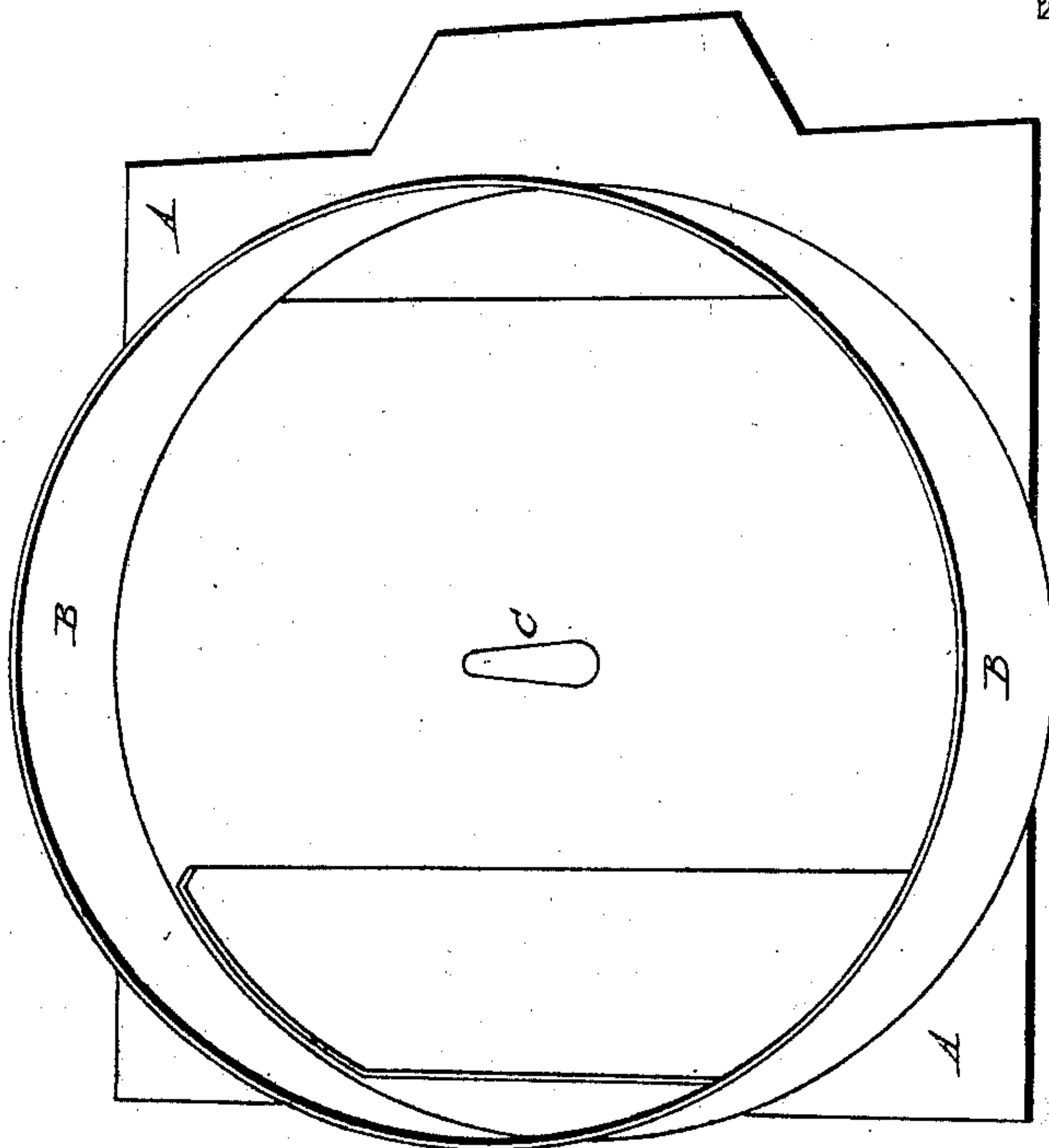


Fig. 1.



UNITED STATES PATENT OFFICE.

MAYNARD FRENCH, OF CINCINNATI, OHIO, ASSIGNOR TO IRA FRENCH.

ROTARY-TOP STOVE.

Specification of Letters Patent No. 2,666, dated May 11, 1842.

To all whom it may concern:

Be it known that I, MAYNARD FRENCH, formerly of the city of Albany, in the State of New York, but now of Cincinnati, in the State of Ohio, have invented an improvement in the manner of constructing the upper plate or rotary cap of a rotary stove and the top plate of the fixed body of the stove, so that the two parts shall be combined together in a new and useful manner—the same being an improvement on the rotary stove caps for which I obtained Letters Patent of the United States dated March 2, 1836; and I do hereby declare that the following is a full and exact description of my said new improvement, for which I now solicit Letters Patent that are to be issued to Ira French, of Rochester, in the State of New York, to whom I have assigned the same.

In the accompanying drawing, Figure 1, is a representation of the stationary top plate of my improved rotary top stove; Fig. 2, is the under side of the rotary top; and Fig. 3, a section through the middle of the two plates.

Upon the stationary top plate A, A, of the stove, I cast a rim, or flat hoop, B, B, three and a half, or four, inches wide, more or less, and from the center of said plate there rises a pin, or pivot, C, which is to sustain the rotary top. On the under side of the rotary top I also cast a projecting rim, or flat hoop, D, say of one inch, more or less, wide, and of such diameter as that the upper edge of the rim B, will just pass within it, and allow the top to revolve. E, E, are partitions which descend from the top plate

between the boiler holes, so as to direct the heated air as used by me, and described in the specification of my original patent above referred to.

In my stove as originally patented, there was a wide rim cast on the rotating plate, and the lower edge of this was received into a circular groove cast on the upper side of the stationary top plate; but this arrangement was found to be objectionable, on account of the friction, which frequently rendered the motion of the top plate very difficult; but by my present arrangement, and which I have had under trial for nearly two years, I have found that this objection is completely obviated, the revolution being quite easy, while the juncture of the two rims is sufficiently close to prevent the escape of smoke, or gas, into the room.

Having thus fully described the nature of my improvement in the rotary stove, what I claim therein as new, and desire to secure by Letters Patent, is—

The casting of a wide rim, or hoop, upon the stationary top plate of the stove, with a pin, or pivot, rising from the center of said plate to enter a socket in the top plate; and the casting upon the rotary top plate a narrow rim to embrace the upper edge of said wide rim, as described, these parts being claimed only in combination with each other, as set forth, and not individually or separately.

MAYNARD FRENCH.

Witnesses:

JESSE MYERS,
D. L. STILES.