

No. 628,488.

Patented July 11, 1899.

W. NEUHS.  
BAKER'S OVEN.

(Application filed July 30, 1898.)

(No Model.)

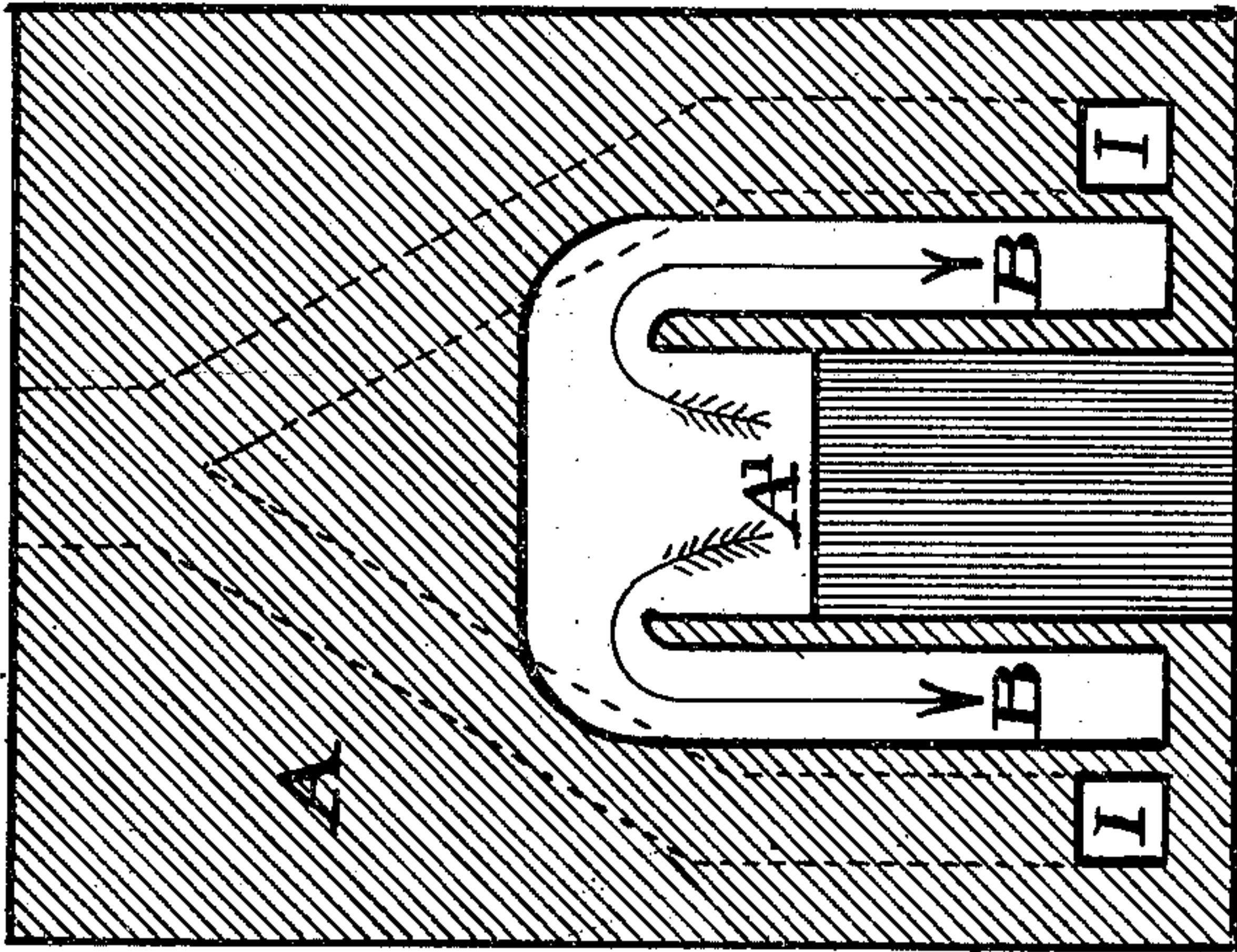


Fig. 3.

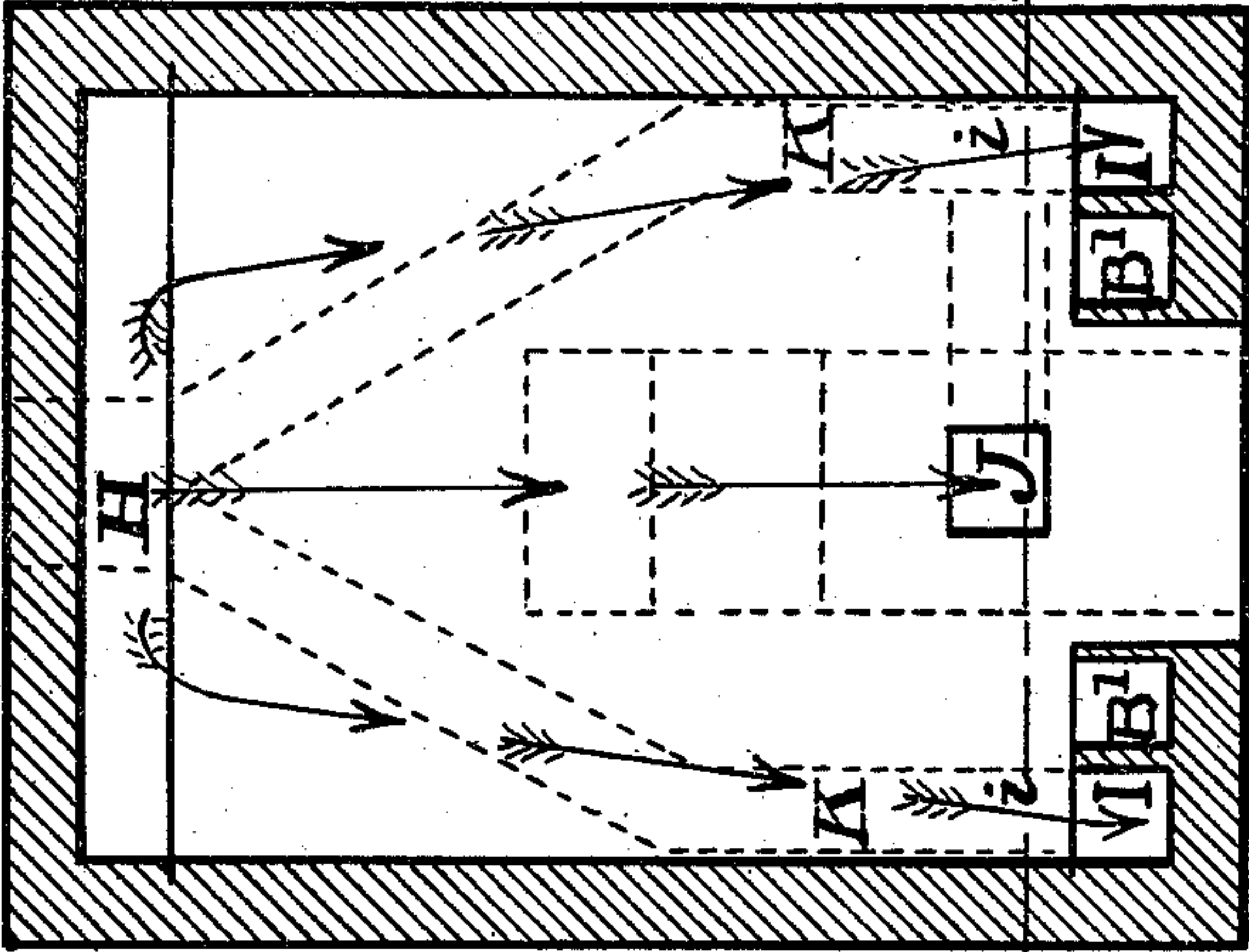


Fig. 4.

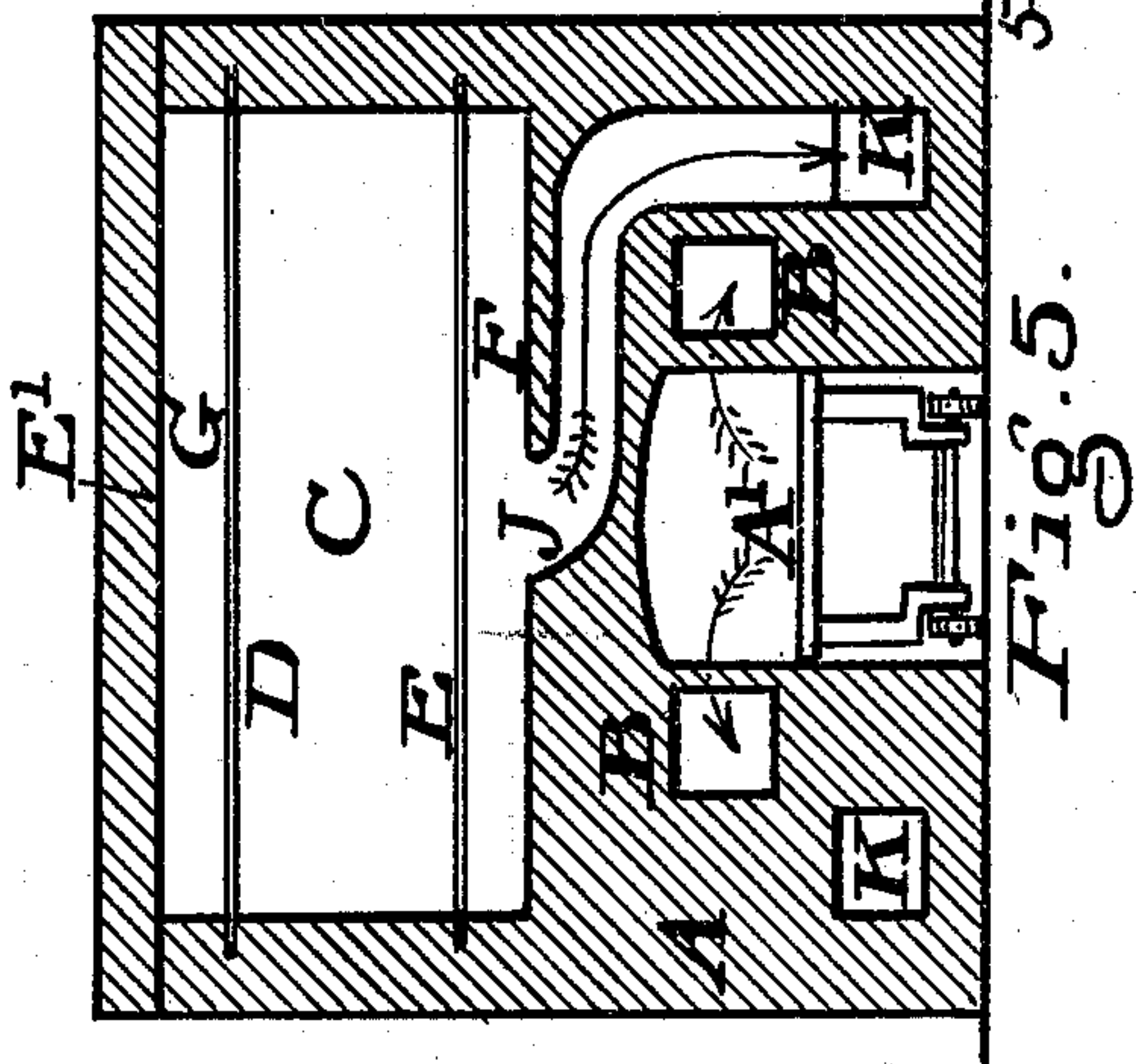


Fig. 5.

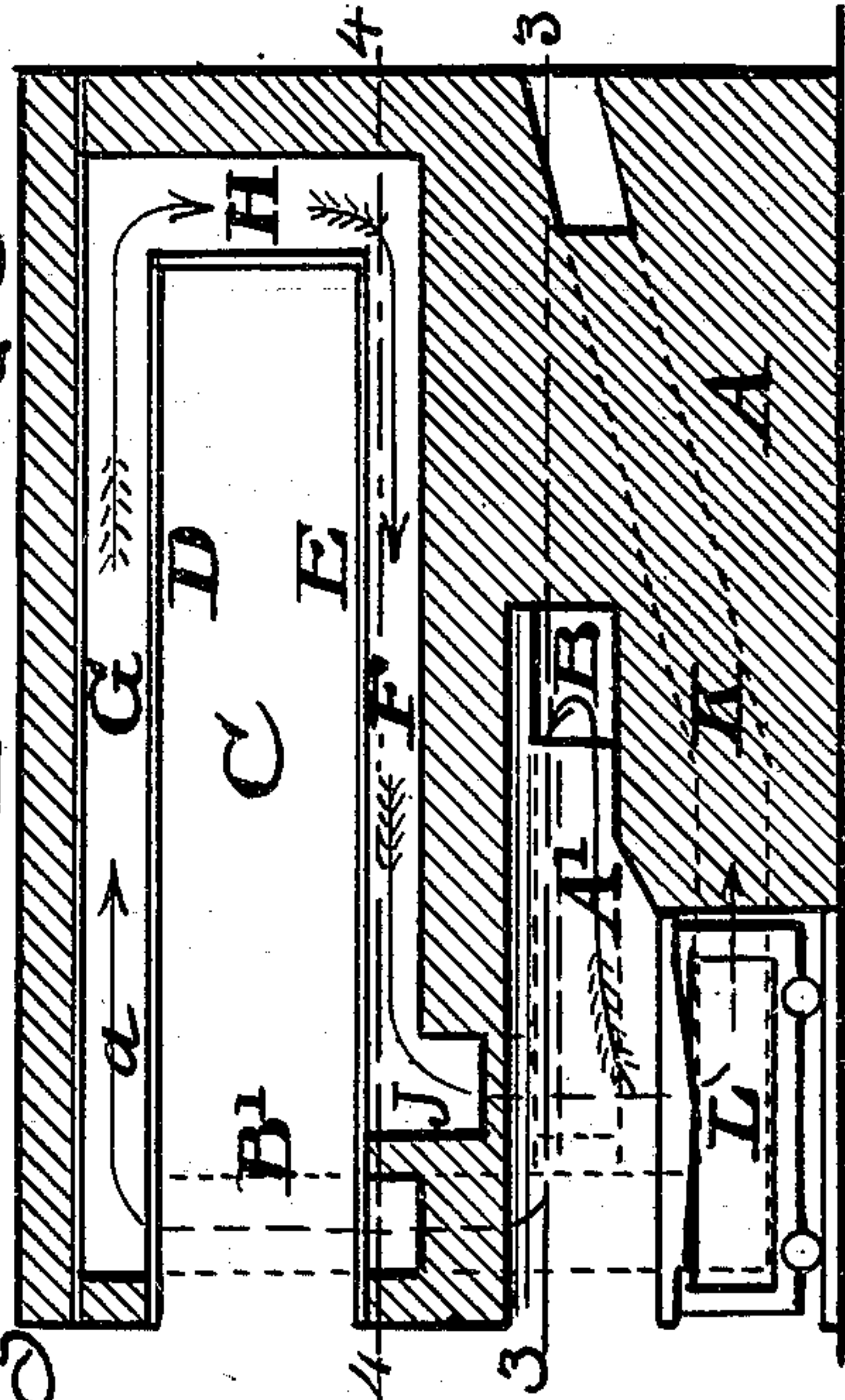


Fig. 2.

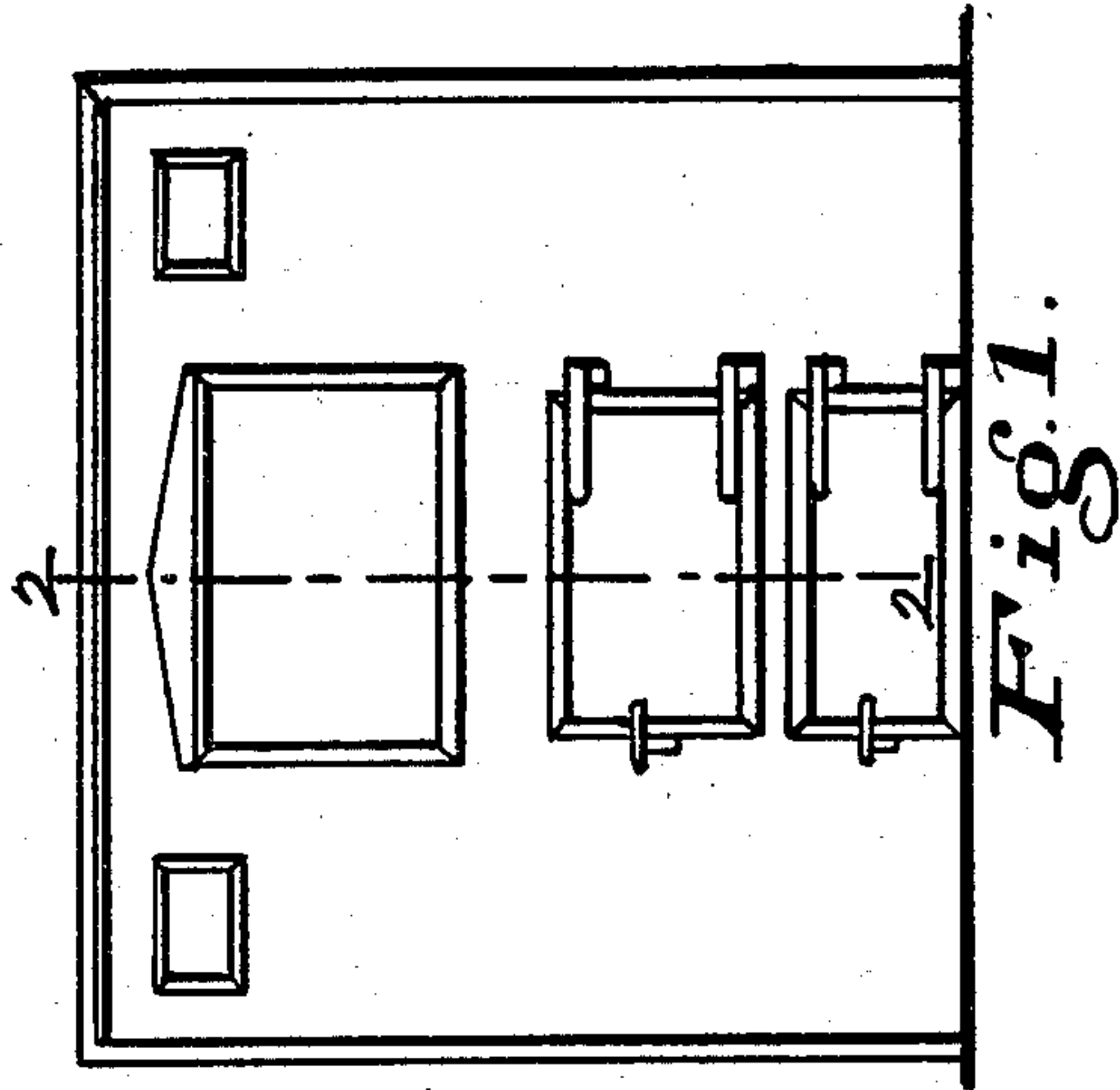


Fig. 1.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

WERNER NEUHS, OF CLEVELAND, OHIO.

## BAKER'S OVEN.

SPECIFICATION forming part of Letters Patent No. 628,488, dated July 11, 1899.

Application filed July 30, 1898. Serial No. 687,375. (No model.)

*To all whom it may concern:*

Be it known that I, WERNER NEUHS, a citizen of the United States of America, and a resident of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Bakers' Ovens, of which the following is a specification.

This invention relates to bakers' ovens; and it consists in the new constructions and combinations of parts adapted for such purposes, substantially as hereinafter pointed out in the description and claim.

In the accompanying drawings, Figure 1 is a front elevation of the new oven. Fig. 2 is a longitudinal section on line 2 2 on Fig. 1, showing the course of the heat-flues under and around the oven. Fig. 3 is a horizontal section on line 3 3 on Fig. 2. Fig. 4 is a horizontal section on line 4 4 on Fig. 2. Fig. 5 is a vertical section on line 5 5 on Fig. 4.

A represents the base portion of the brick-work, having a fireplace A' at the front and central part. There may be two fireplaces, if desired, but one is preferable.

B B are flues, one at each side of the fireplace, leading from the back thereof and forward to the front, as shown by the arrows, and thence upward in the vertical flues B' B' (seen in Fig. 4) at each side of the oven-door.

C is the oven, composed of two metal plates D and E, supported in the side walls of the masonry. The top of the oven consists of a plate E', supported on the end and side walls and may be covered with sand or brick.

F is a space under the oven, and G is a space over the oven, and they are connected at the back by a vertical space H. The flues B' lead into the said space G over the oven at the

front, as indicated by the arrows *a*, Fig. 2. From thence the heat passes down at the back flue H into the space F under the oven, thence down the vertical flues I I at the front corners of the masonry, (indicated by the arrows *i i*, Fig. 4,) also into a central flue J, which leads to one side, and downward into the base-flues K K, (shown in Figs. 2, 4, and 5,) which lead to and discharge at the rear or other convenient part.

The fire-grates are supported on a carriage L, which may be run into and withdrawn from the ash-pit through the ash-pit door.

Having described my invention, what I claim is—

In a baker's oven, a base A of masonry, a fireplace A' at the front, side flues B B, connected with the back of the fireplace and leading forward at each side of the fireplace, in combination with the forward vertical flues B' B', leading from said side flues upward to and into the space over the oven, a space H at the back of the oven connecting the space G over the oven with the space F under the oven, vertical flues I I, at the front corners of the masonry, and the central flue J, said flues I I and J leading from the space under the oven into the diagonal flues K K in the lower part of the masonry, which meet and discharge at the one outlet at the rear, substantially as described.

Signed by me, at Cleveland, Ohio, this 23d day of July, 1898.

WERNER NEUHS.

Witnesses:

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