

(No Model.)

W. NEUHS.  
BAKER'S OVEN.

No. 605,900.

Patented June 21, 1898.

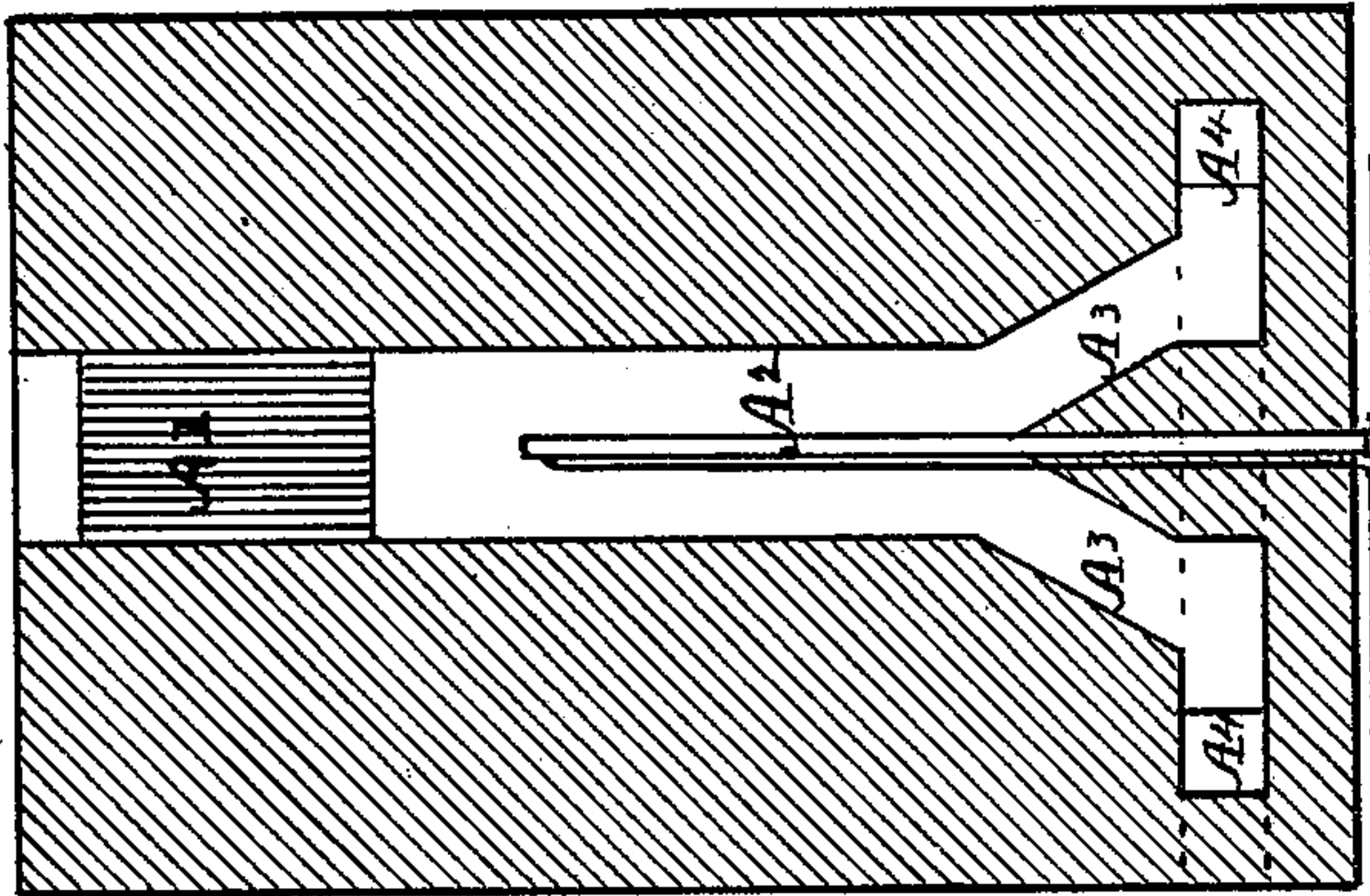


Fig. 3.

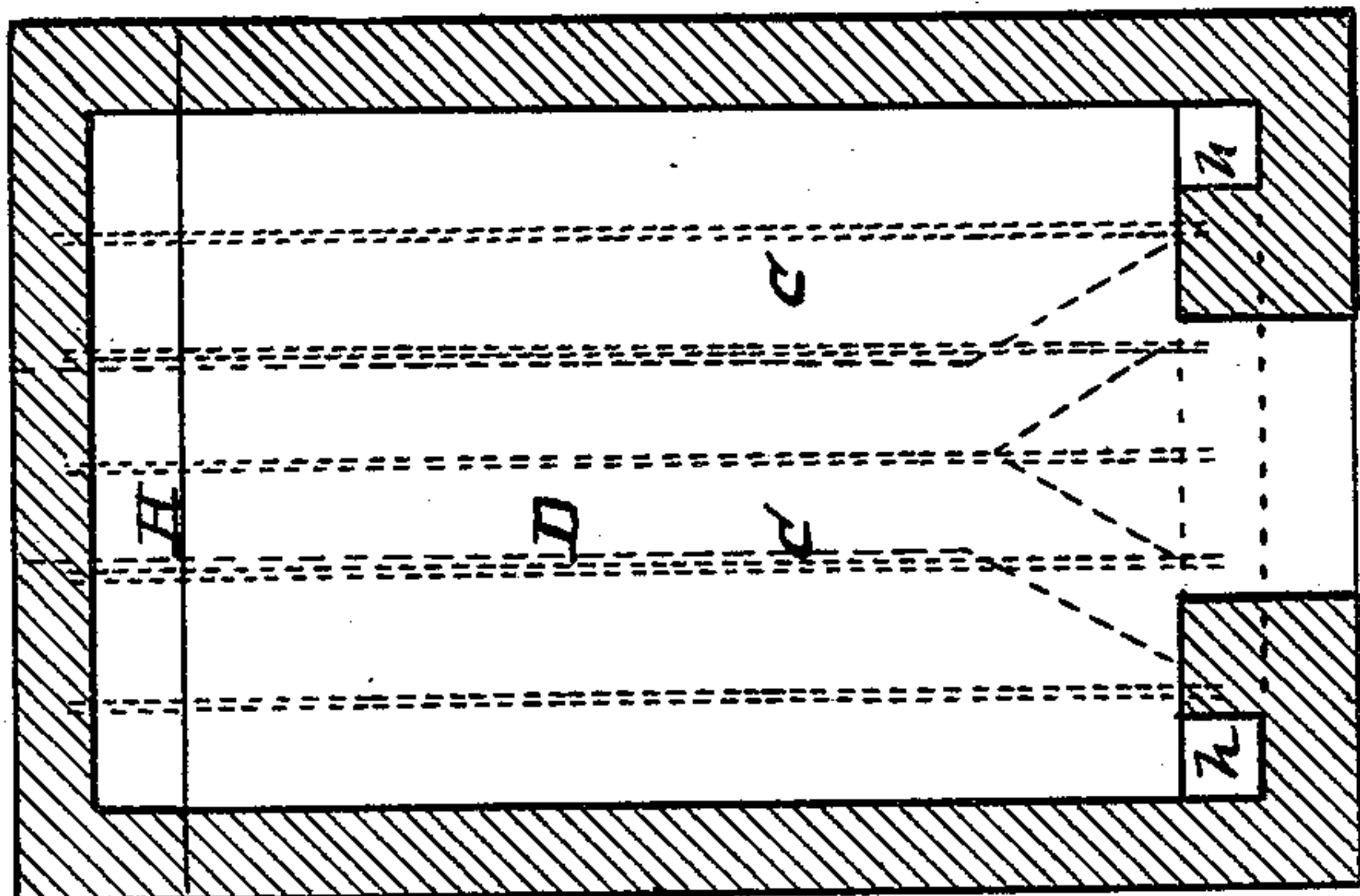


Fig. 4.

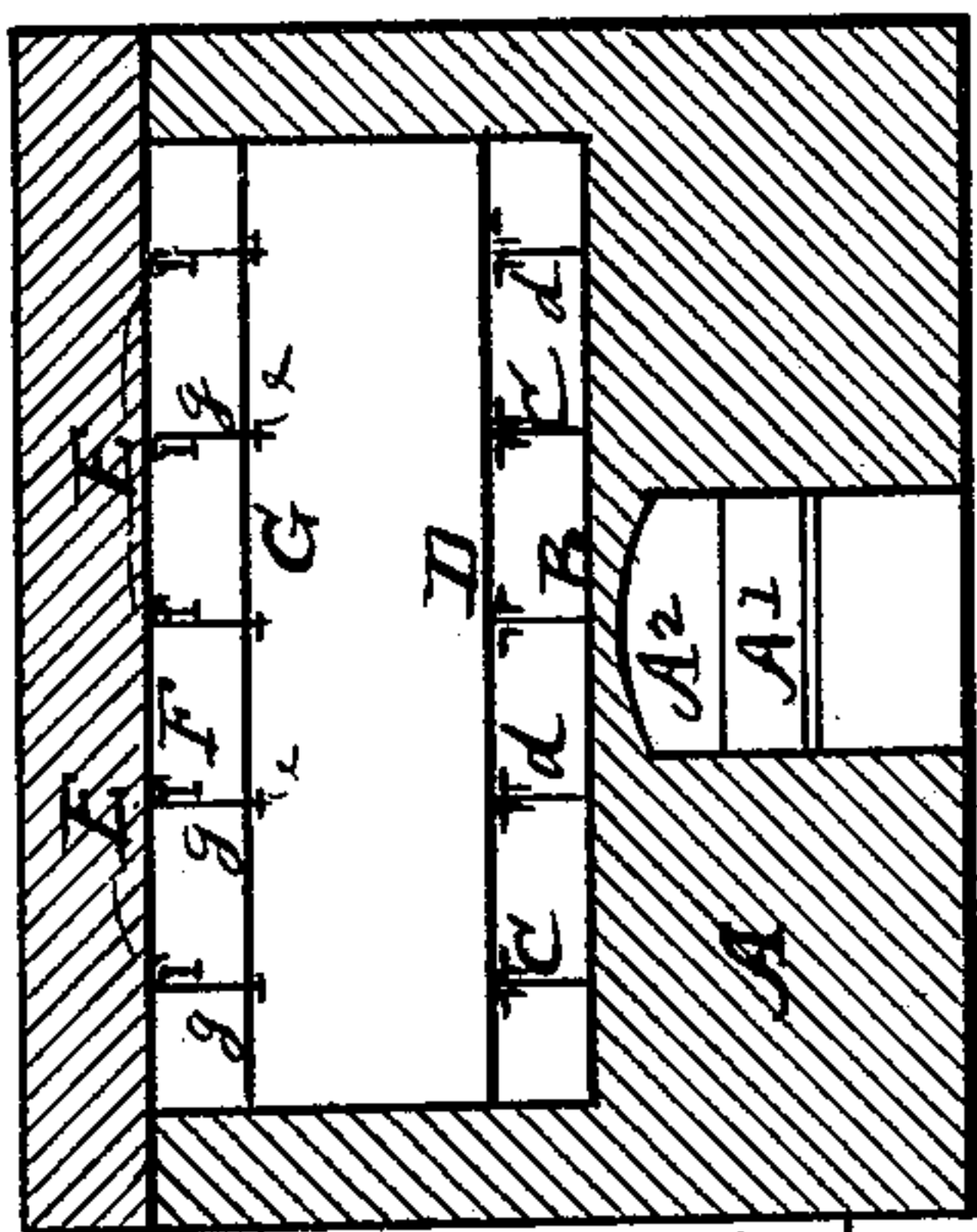


Fig. 5.

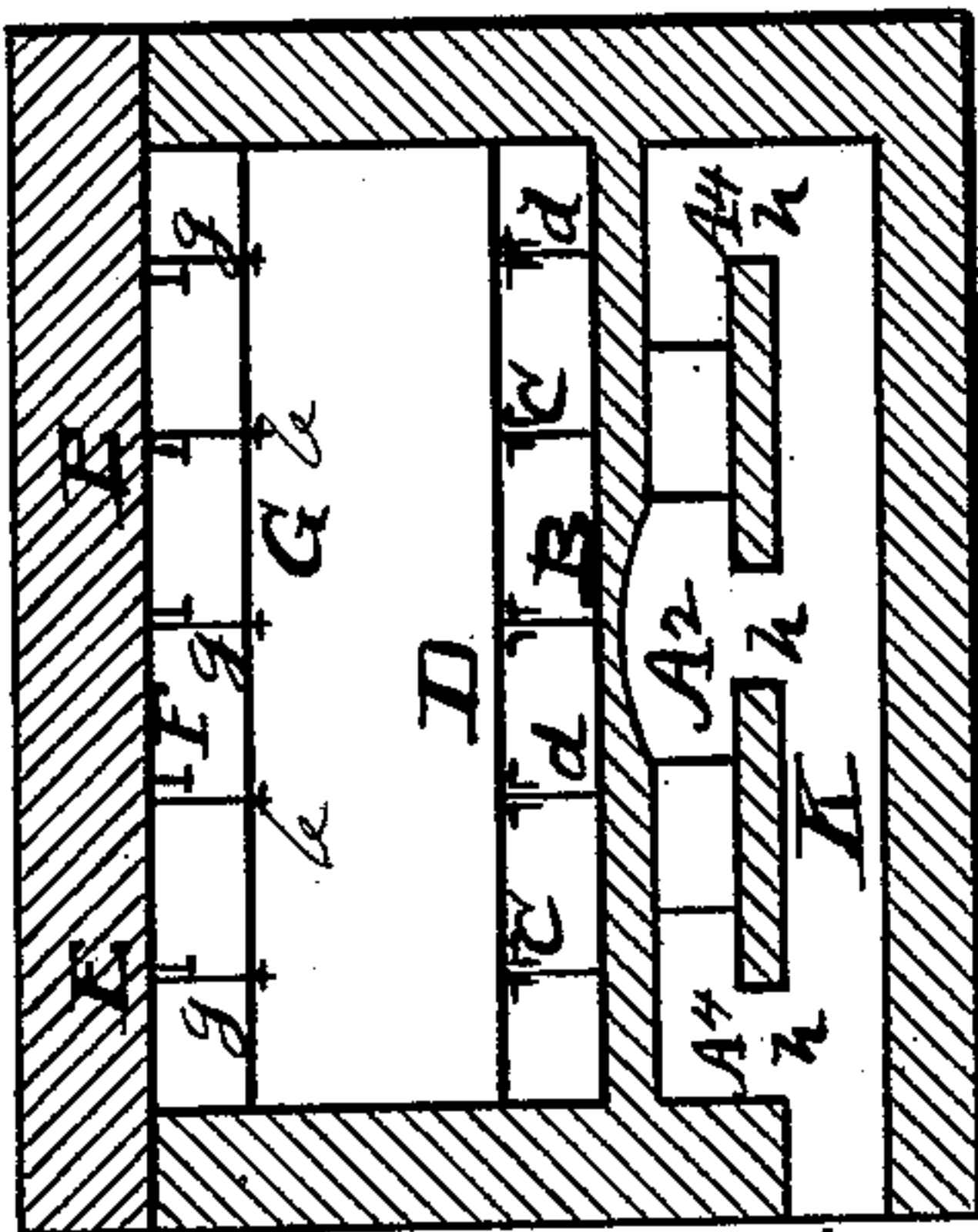


Fig. 6.

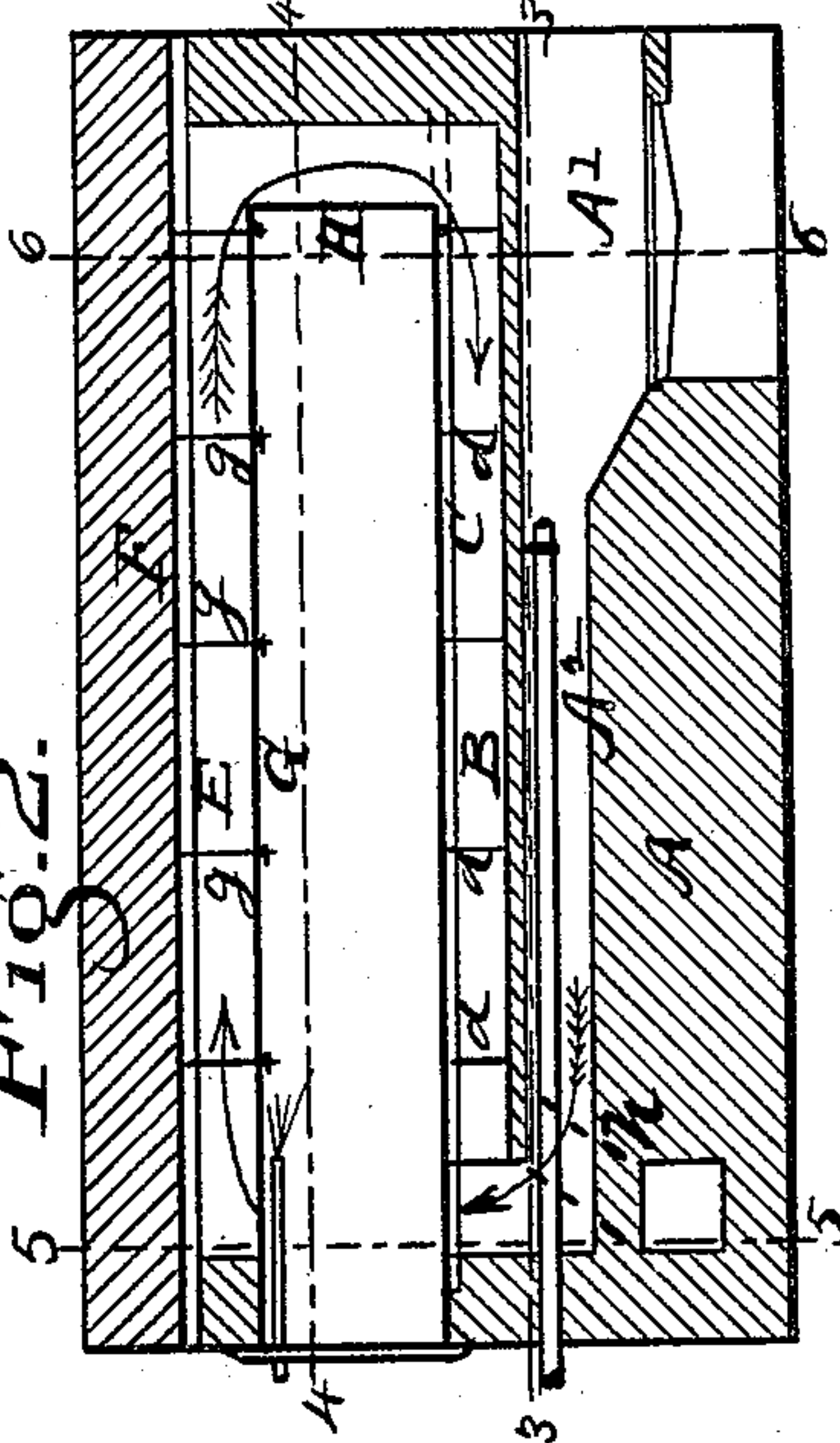


Fig. 1.

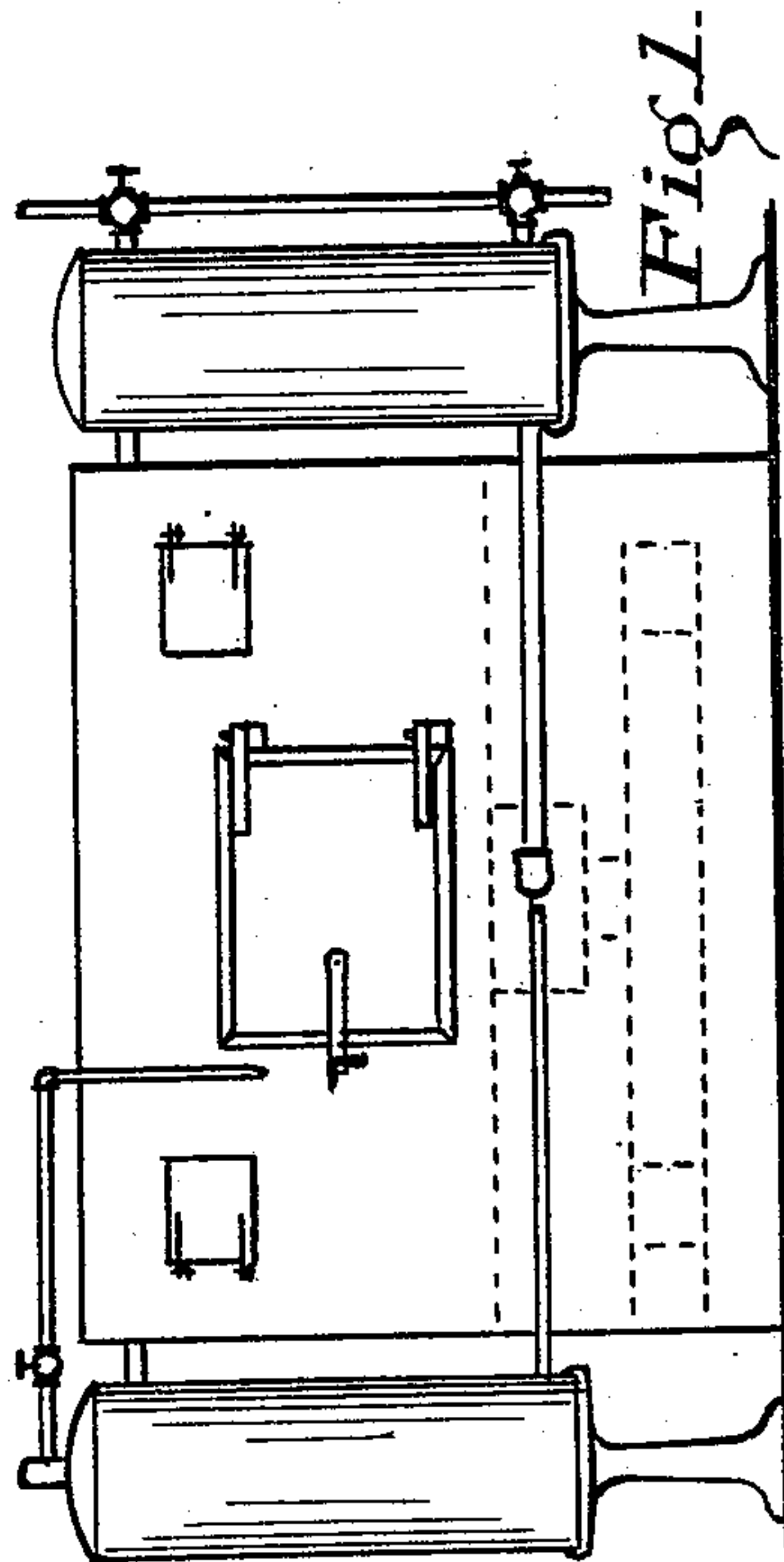


Fig. 2.

Witnesses,  
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# UNITED STATES PATENT OFFICE.

WERNER NEUHS, OF CLEVELAND, OHIO.

## BAKER'S OVEN.

SPECIFICATION forming part of Letters Patent No. 605,900, dated June 21, 1898.

Application filed February 26, 1898. Serial No. 671,812. (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 the purpose, substantially as hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a front elevation of my new baker's oven. Fig. 2 is a longitudinal section on line 2 2 on Fig. 1. 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 cross-section on line 5 5 on Fig. 2. Fig. 6 is a cross-section on line 6 6 on Fig. 2.

A represents a base of brickwork having a fireplace A' at the rear, with a central flue A<sup>2</sup> extending forward about two-thirds of the length of the oven, with branches A<sup>3</sup> extending diagonally forward in the form of a Y, then connected with side upward flues A<sup>4</sup>, leading to the space over the oven, as shown by the arrows in Fig. 2.

B represents the arch over the fireplace and central flue.

C are bars of T or angle iron supported in the front and rear walls and upon which is supported the metal plate D, forming the bottom of the oven.

d d are short posts composed of iron rods, arranged as additional supports to the bars and oven-bottom.

E are also bars of T or angle iron supported by the front and rear walls and upon which is supported a metal covering-plate F, extending overside, front, and rear walls, and upon the top of which is put a quantity of sand.

G is a metal plate forming the top of the

oven. It is supported by a number of hangers g g, suspended from the said bars E, the lower ends of said hangers extending through the plate and having nuts e, upon which said plate rests.

The back of the oven is closed by a plate H, extending across from side to side, leaving a space between said back plate and the back wall. This back space is in communication with the space above and under the oven for the passage of fire and heat, as indicated by the arrow. The said space under the oven is connected by downward openings h h in the front wall with the low front cross-flue K, which may be connected with chimney or smoke-stack. It will be seen that the heat passes under the arch forward, thence upward at the sides and over the top of the oven, thence down at the back and under the oven, thence down into the escape-flue to the chimney.

Having described my invention, I claim—

In a baker's oven, a base A of masonry, a fireplace A' at the back, a central arched flue A<sup>2</sup> extending forward with branches A<sup>3</sup> leading into the upward side flues A<sup>4</sup>, longitudinal bars C supported in the front and back walls, a sheet-metal plate D, forming the oven-bottom, supported on said bars, posts d also supporting said plate and bars, longitudinal bars E supported by front and rear walls, a covering-plate F supported on said bars E, a metal plate G, forming top of oven, hangers g suspended from said bars E and supporting said plate G, downward openings h h connecting the space under the oven with the cross outlet-flue K, all constructed to operate substantially as and for the purpose specified.

Signed by me, at Cleveland, Ohio, this 24th day of February, 1898.

WERNER NEUHS.

Witnesses:

GEO. W. TIBBITTS,  
LEWIS W. FORD.