

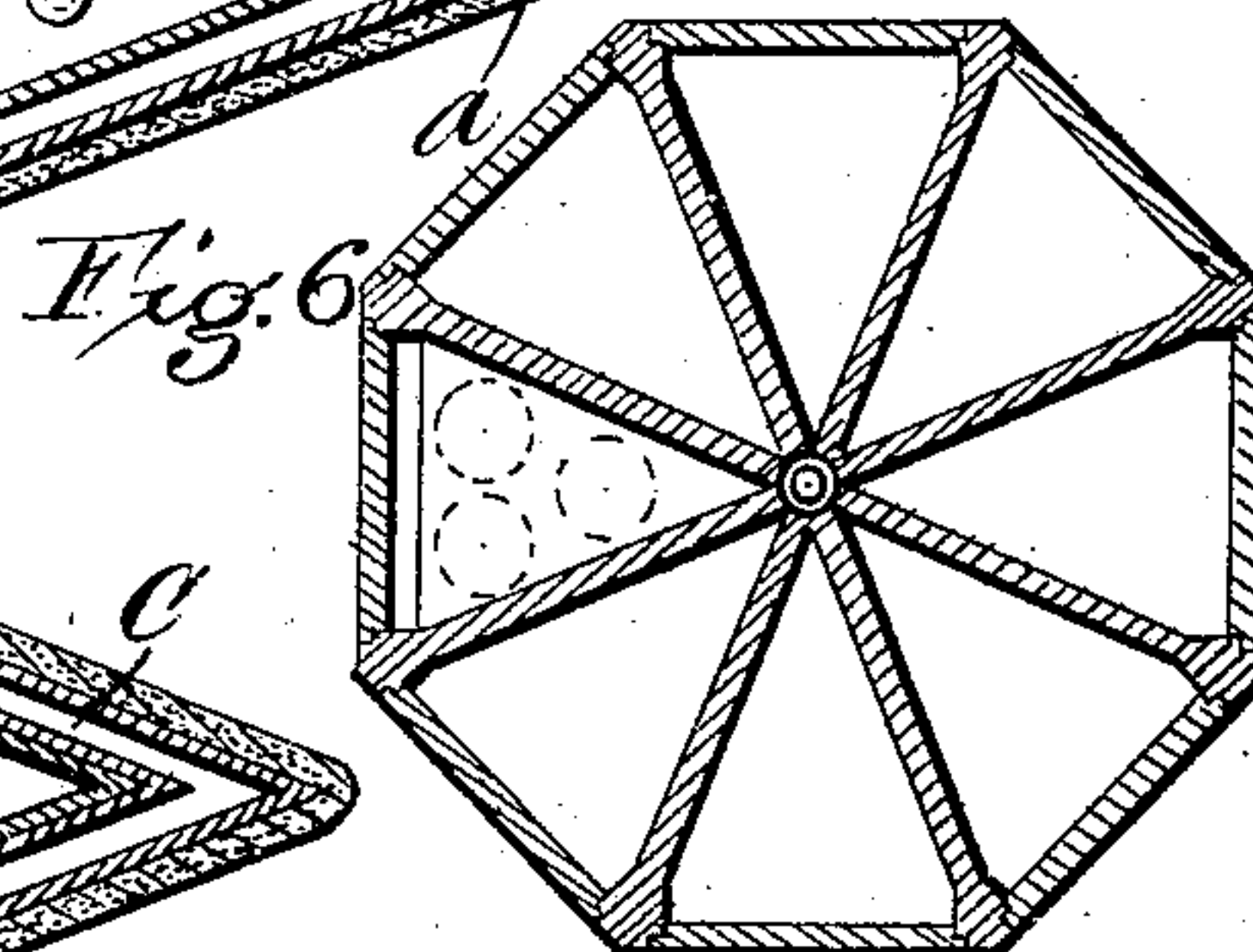
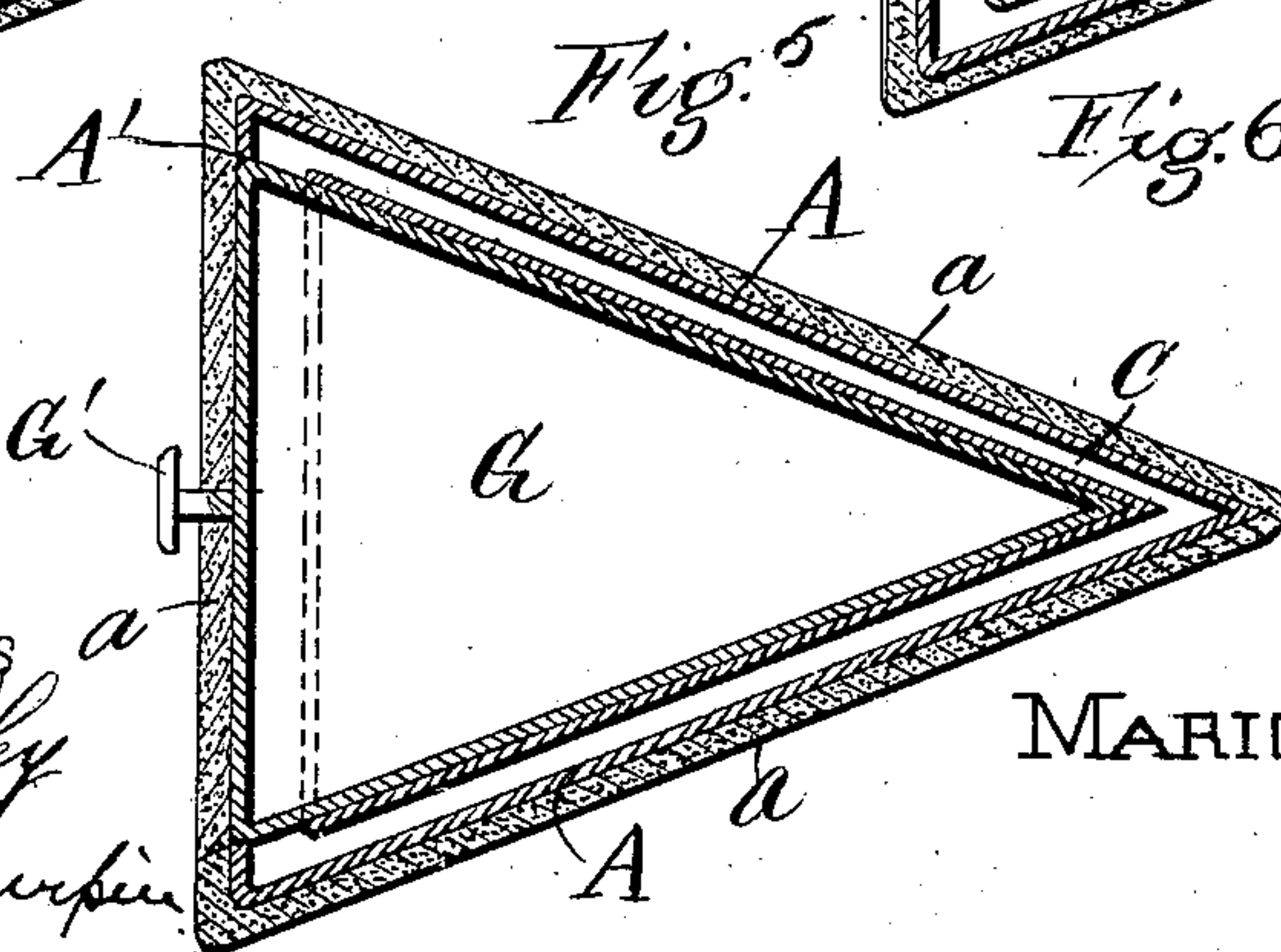
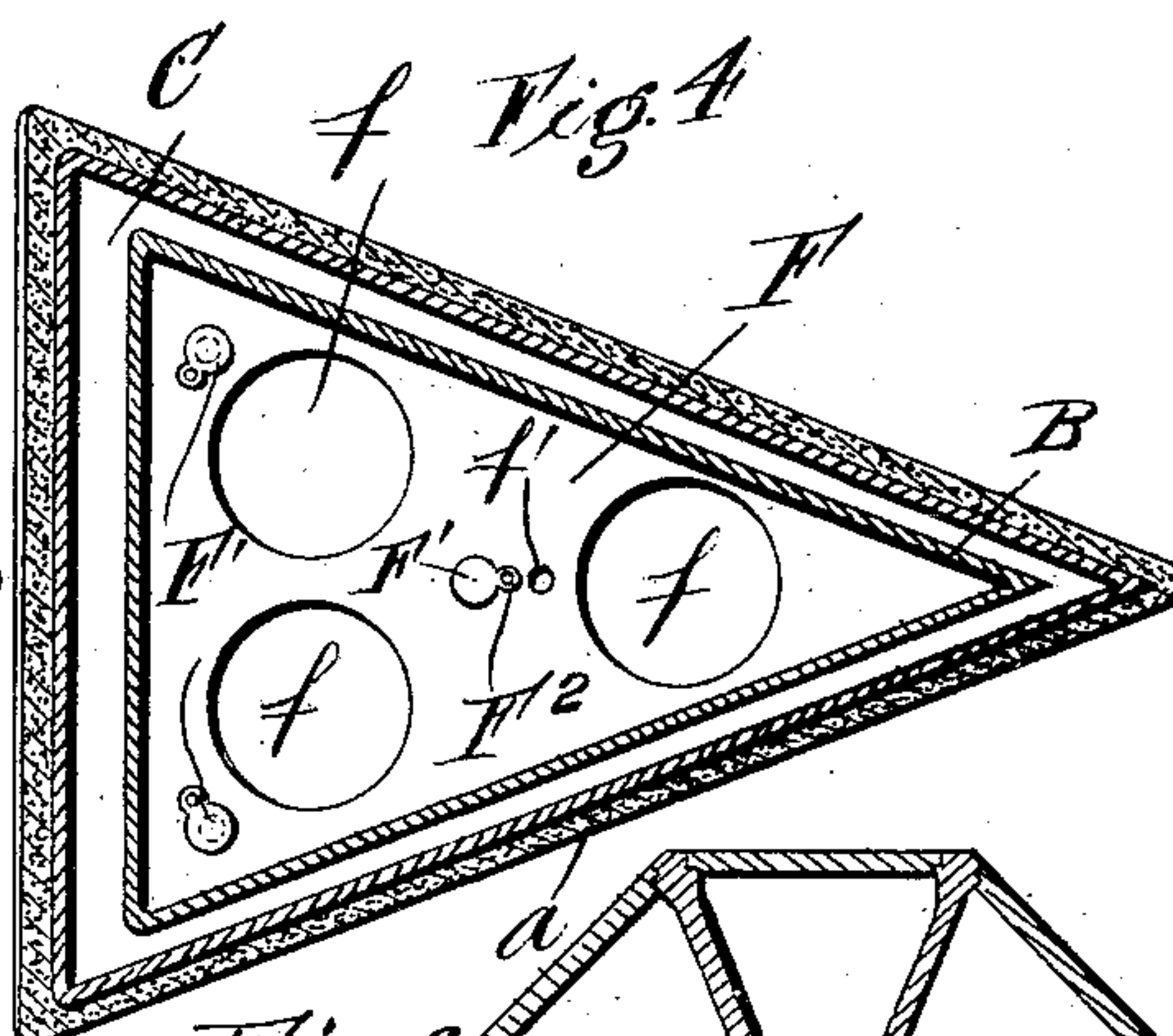
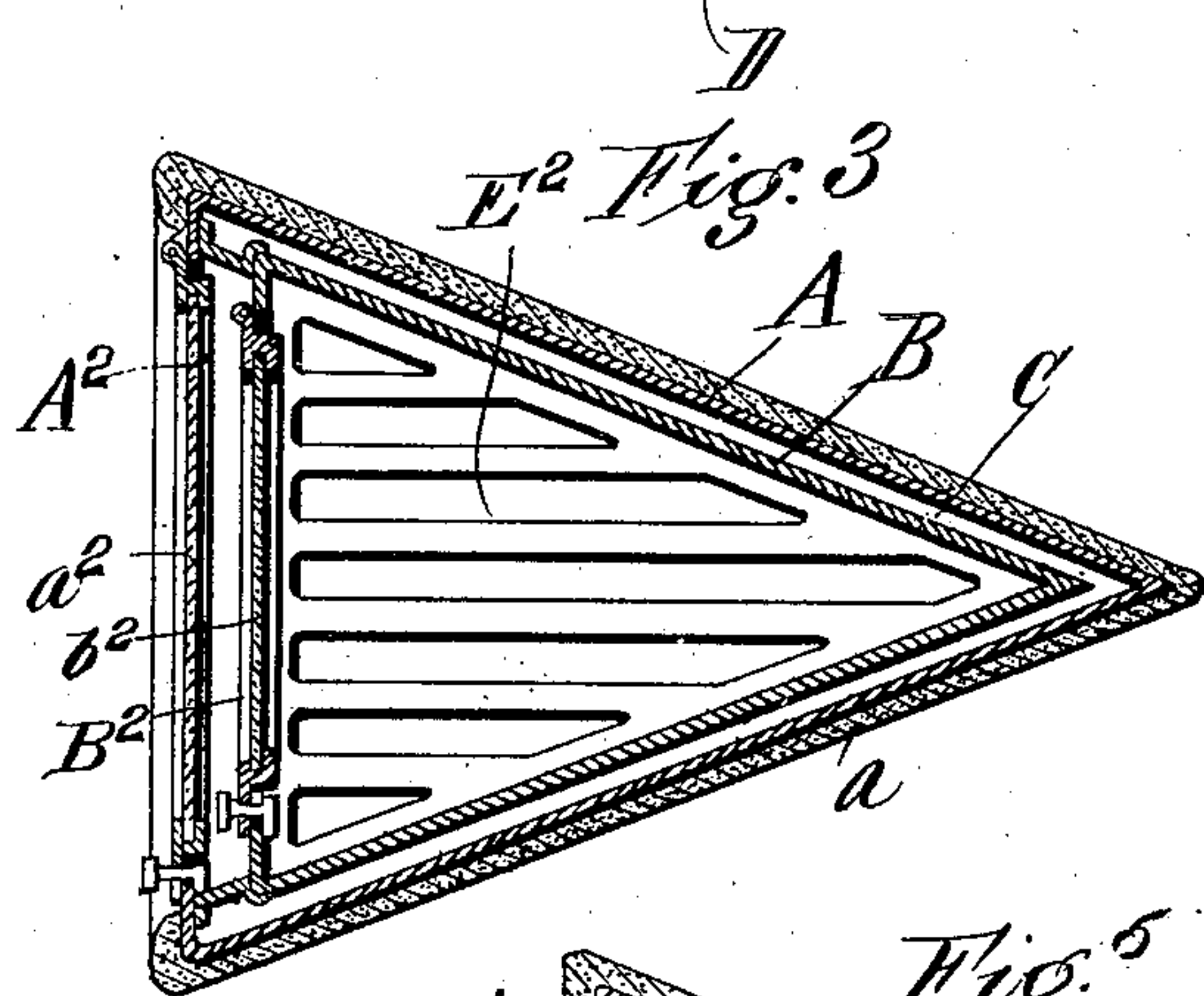
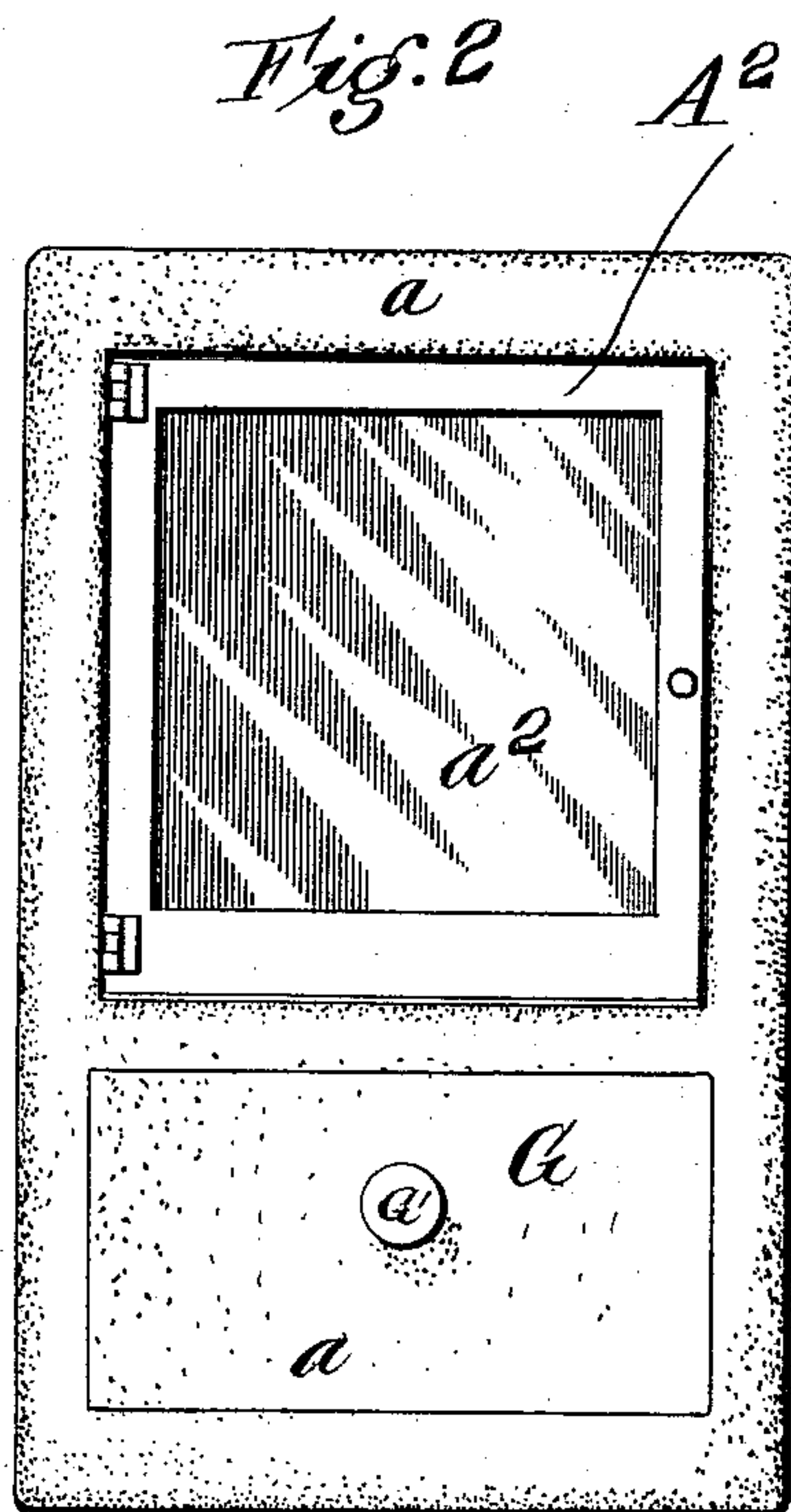
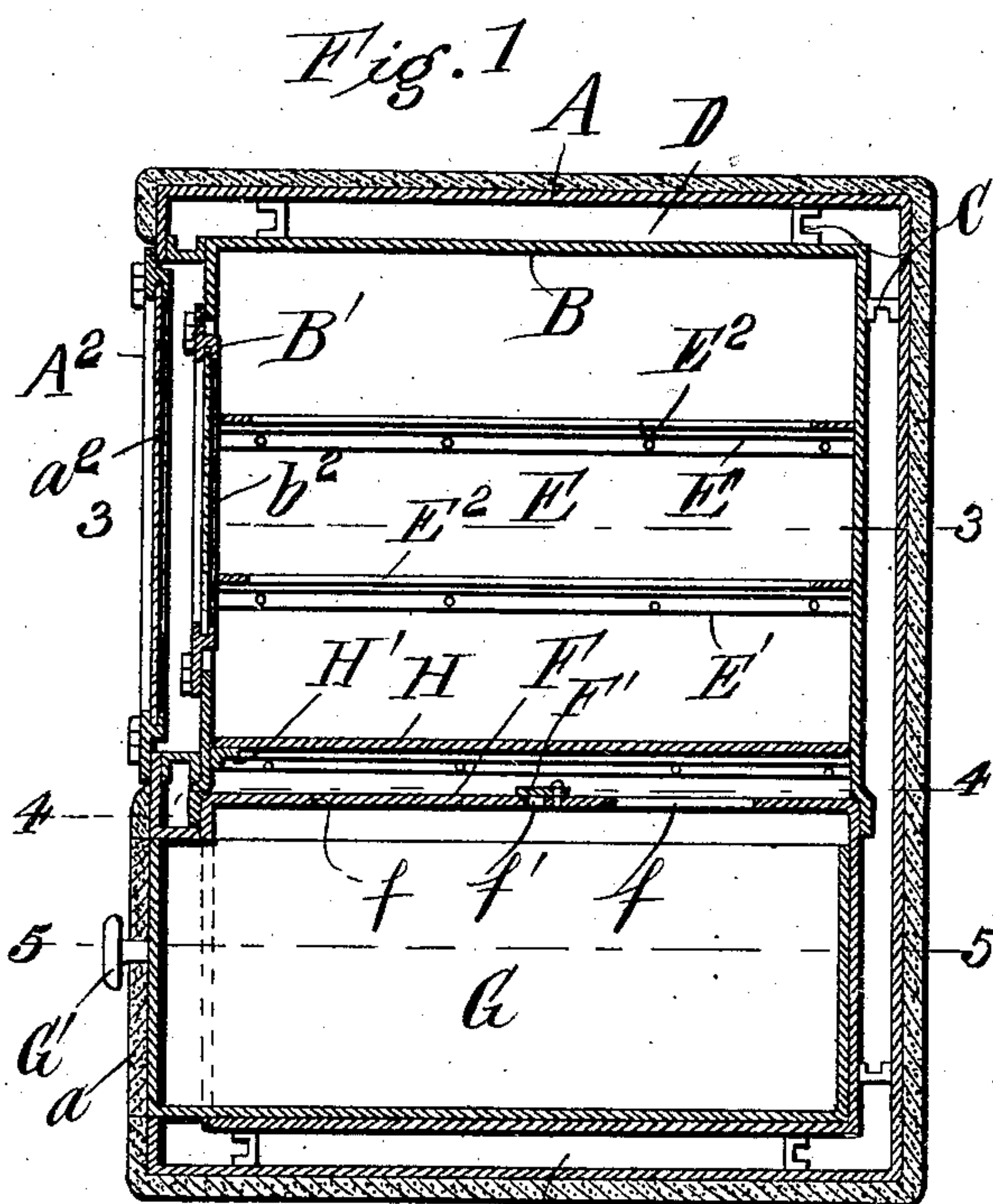
No. 865,940.

PATENTED SEPT. 10, 1907.

M. W. RANDOLPH.

STOVE.

APPLICATION FILED FEB. 5, 1907.



WITNESSES
C. H. Ruffey
Perry B. Burpin

INVENTOR
 MARION W. RANDOLPH
 BY *Munroe*
 ATTORNEYS

UNITED STATES PATENT OFFICE.

MARION W. RANDOLPH, OF SEATTLE, WASHINGTON.

STOVE.

No. 865,940.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed February 5, 1907. Serial No. 355,822.

To all whom it may concern:

Be it known that I, MARION W. RANDOLPH, a citizen of the United States, and a resident of Seattle, in the county of King and State of Washington, have made certain new and useful Improvements in Stoves, of which the following is a specification.

My invention is an improvement in stoves and especially in that class of stoves in which lime or the like is employed to generate heat on the application of water thereto; and the invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing—Figure 1 is a vertical longitudinal section. Fig. 2 is a front elevation of a stove embodying my invention. Fig. 3 is a cross section on about line 3—3 of Fig. 1. Fig. 4 is a cross section on about line 4—4 of Fig. 1. Fig. 5 is a cross section on about line 5—5 of Fig. 1, and Fig. 6 is a cross section of a cabinet supplied with tapering compartments in one of which is illustrated one of my improved stoves.

The stove shown herein is especially intended for use by those who live in apartments of a few rooms where there are no housekeeping conveniences of the usual kind and where there would be objection to odors which commonly result from the use of gas, coal oil or alcohol, and the stove is especially designed for use in a cabinet of the kind illustrated in my Patent No. 845,707, dated February 26, 1907, and to this end the stove is made triangular in cross section as best illustrated in Figs. 3, 4 and 5 and tapers toward its rear end so a series of stoves may be used in a series of corresponding compartments surrounding a center or one of the stoves may be used in any one of the tapering compartments in the cabinet as indicated in Fig. 6.

In my present invention I provide a stove or heater having a casing adapted to receive quicklime or the like and a lid or cover therefor, having openings through which cooking vessels may be inserted in the heating medium. I also provide in the construction shown an outer box or case A inclosing an inner box or case B and spaced apart therefrom by suitable spacing devices C forming an intermediate space D for the circulation of heat from the heating section around the upper or oven section E which is arranged above the lower or heating section and is separated therefrom by an intermediate plate F which forms a top plate for the heater and is provided with openings *f* for the introduction of the cooking vessels and with openings *f'* through which water may be introduced to the lime or other chemical, the top plate F being provided with swinging caps *F'* pivoted at *F*² so they may be adjusted to close the openings *f'* or to expose said openings as may be desired.

The lime holder G is in the form of a drawer adapted to be inserted below the plate F and tapered from end

to end and fitting at its outer ends snugly within an opening A' in the box A, the said box A and the outer side of the lime holder G being covered with asbestos *a* or other suitable insulating material and the drawer G being preferably supplied with a knob or handle G' to facilitate handling the drawer as desired.

The upper or oven section E has its outer case A supplied with a door A² having a mica or other transparent plate *a*² and the inner box or case B is provided with a door B' registering with and smaller than the door A² and also having a mica or transparent plate *b*² so the contents of the oven may be seen when desired and the door B' may be opened through the opening afforded by the opening or the door A².

The oven is supplied with brackets E' for the shelves E² and with supports H' for an imperforate bottom plate H, which overlies the perforated partition plate F and prevents the fumes from the lime from passing into direct contact with the food in the oven. This bottom plate H may be readily lifted when it is desired to place or remove the cooking vessels or to permit access to the openings *f'* and the caps *F'* whenever it is desired to supply water to the chemicals.

In practice it will be understood the casing or lime holder G may be supplied with lime or other suitable heating chemicals and inserted in the box or case to the position shown in Fig. 1, the doors A² and B' may be opened and the bottom plate H lifted to permit access to the perforated partition plate F, which forms a lid or cover for the lime holder and the cooking vessels be introduced through the openings *f* and water supplied through the openings *f'* and the bottom plate H be lowered to the position shown in Fig. 1 and any suitable articles placed upon the shelves E² of the oven E and the stove may then be set aside for any suitable time necessary to complete the cooking operation.

I claim—

1. The stove herein described comprising the outer box or case, the inner box or case spaced apart from the outer box, a partition plate dividing the box or case into a heater section and an oven section and provided with openings through which cooking vessels may be inserted and with openings for the introduction of water and with means for covering said latter openings, a drawer sliding into the box or case below the said partition plate, the outer side of the drawer and of the outer box being covered with a suitable insulating material, a bottom plate for the oven section arranged above the perforated partition plate and adapted to be lifted to permit access to the perforated partition plate, the said inner and outer boxes or cases having openings and doors for closing the same, substantially as set forth.

2. A stove or heater having a casing adapted to receive quicklime or the like and a lid or cover therefor having openings through which cooking vessels may be inserted to project into the heating medium.

3. A box or casing having an upper or oven section and a lower or heating section and provided with a lime holder in the form of a drawer movable into and out

of the box or case and a plate forming a lid or cover for the drawer when introduced into the box or case and having openings through which cooking vessels may be inserted into said drawer, substantially as set forth.

- 5 4. A stove comprising a box or case having an upper or oven compartment and a lower or heating compartment and a removable lime holder adapted to be inserted in the lower or heating compartment and a plate forming a bottom for the oven compartment and adapted to be lifted
10 to permit access to the lime holder when the latter is introduced into the box or case, substantially as set forth.

5. A stove tapering in cross section toward its rear edge and having an upper and a lower compartment and a drawer fitting removably in the lower compartment, a

perforated partition plate above said drawer and a re- 15
movable plate above the perforated partition plate, substantially as set forth.

6. The combination of a lime holder in the form of a drawer, a case receiving said drawer, a plate forming a lid for the drawer when the latter is inserted in the case, 20
and having openings through which vessels may be inserted into the drawer to project into the heating medium therein.

MARION W. RANDOLPH.

Witnesses:

D. T. EISENBEY,
J. V. CARSON.