

(No Model.)

2 Sheets—Sheet 1.

D. E. JONES.
OPEN FIRE PLACE.

No. 327,396.

Patented Sept. 29, 1885.

FIG. 1.

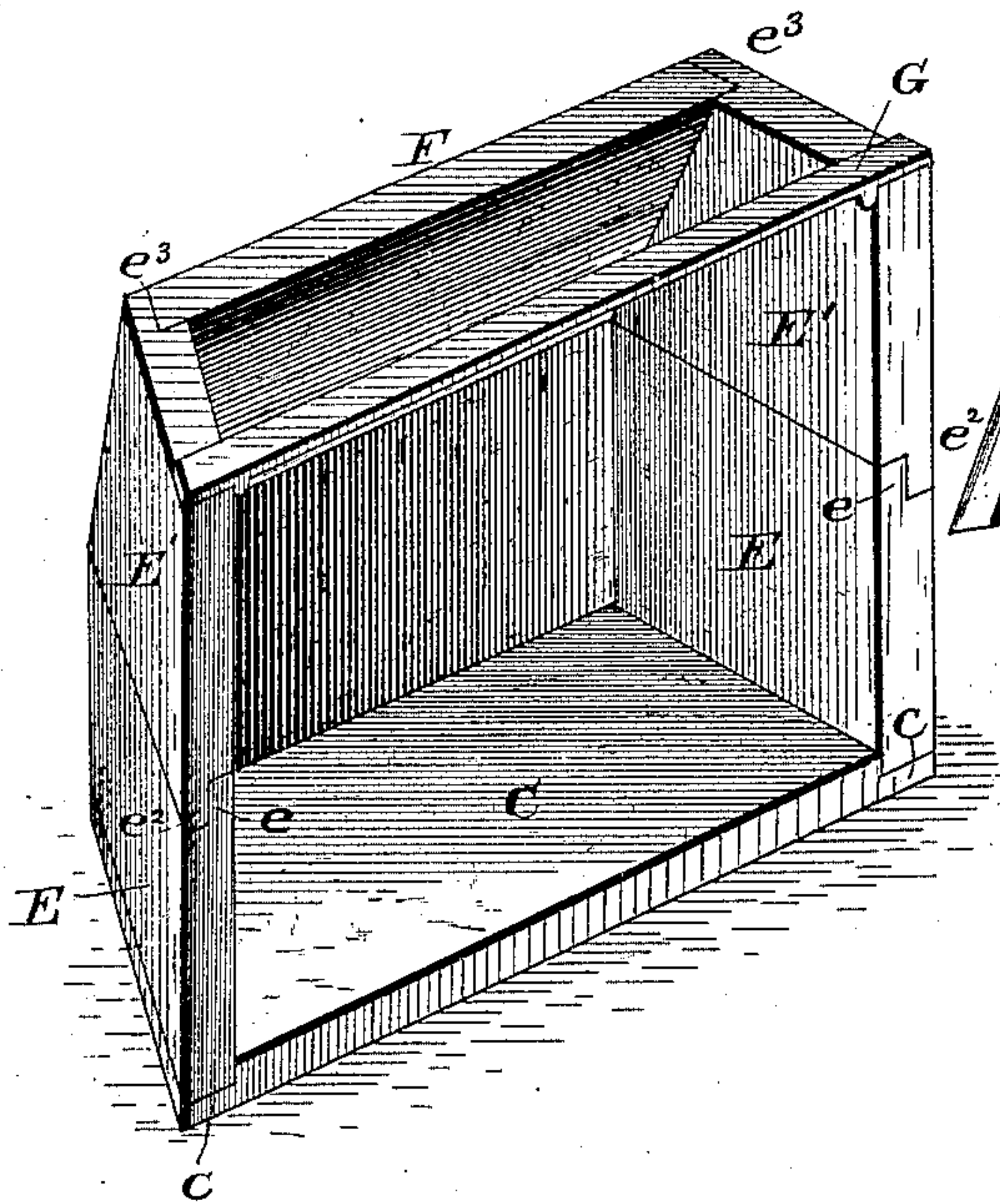


FIG. 2.

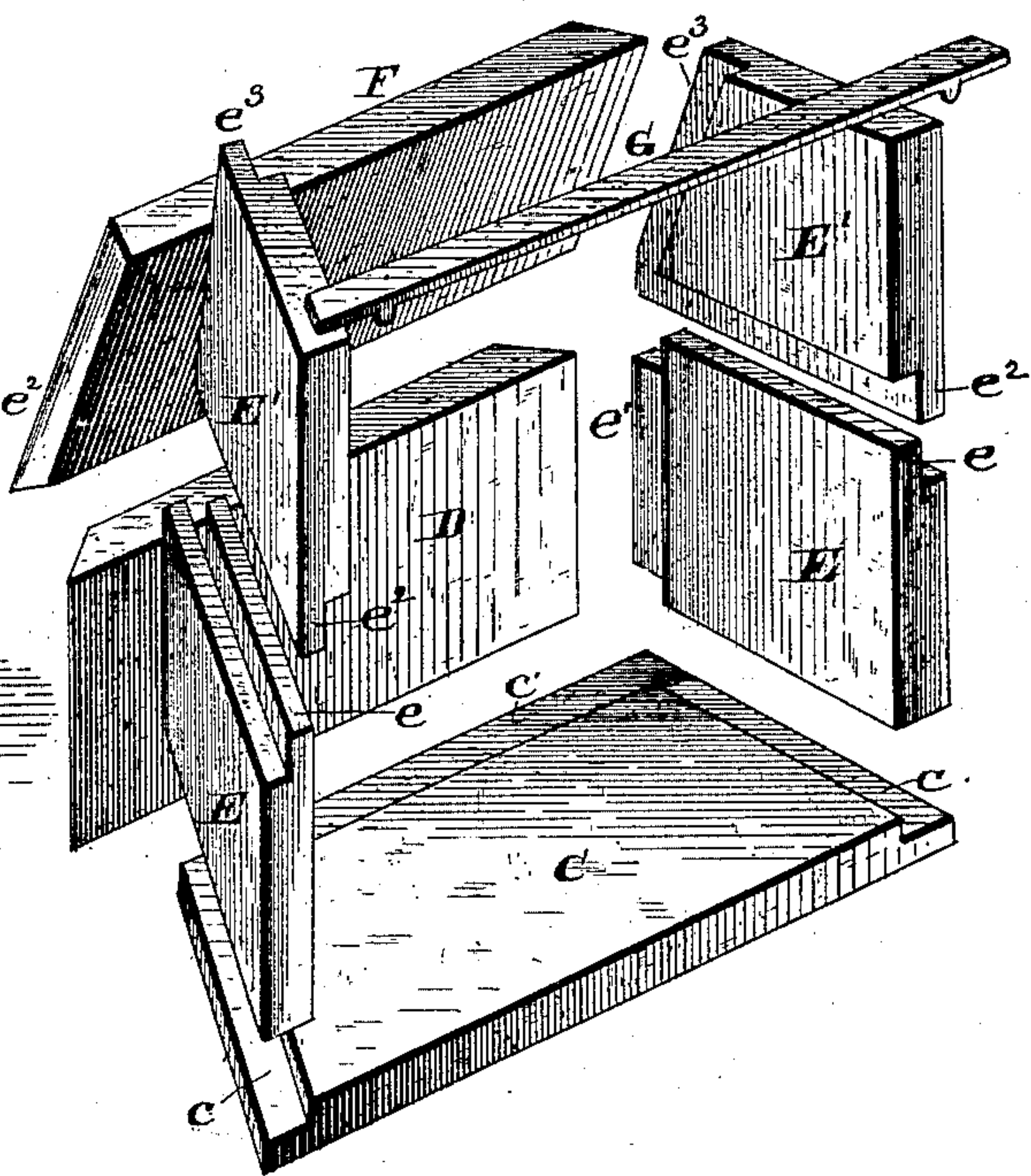


FIG. 3.

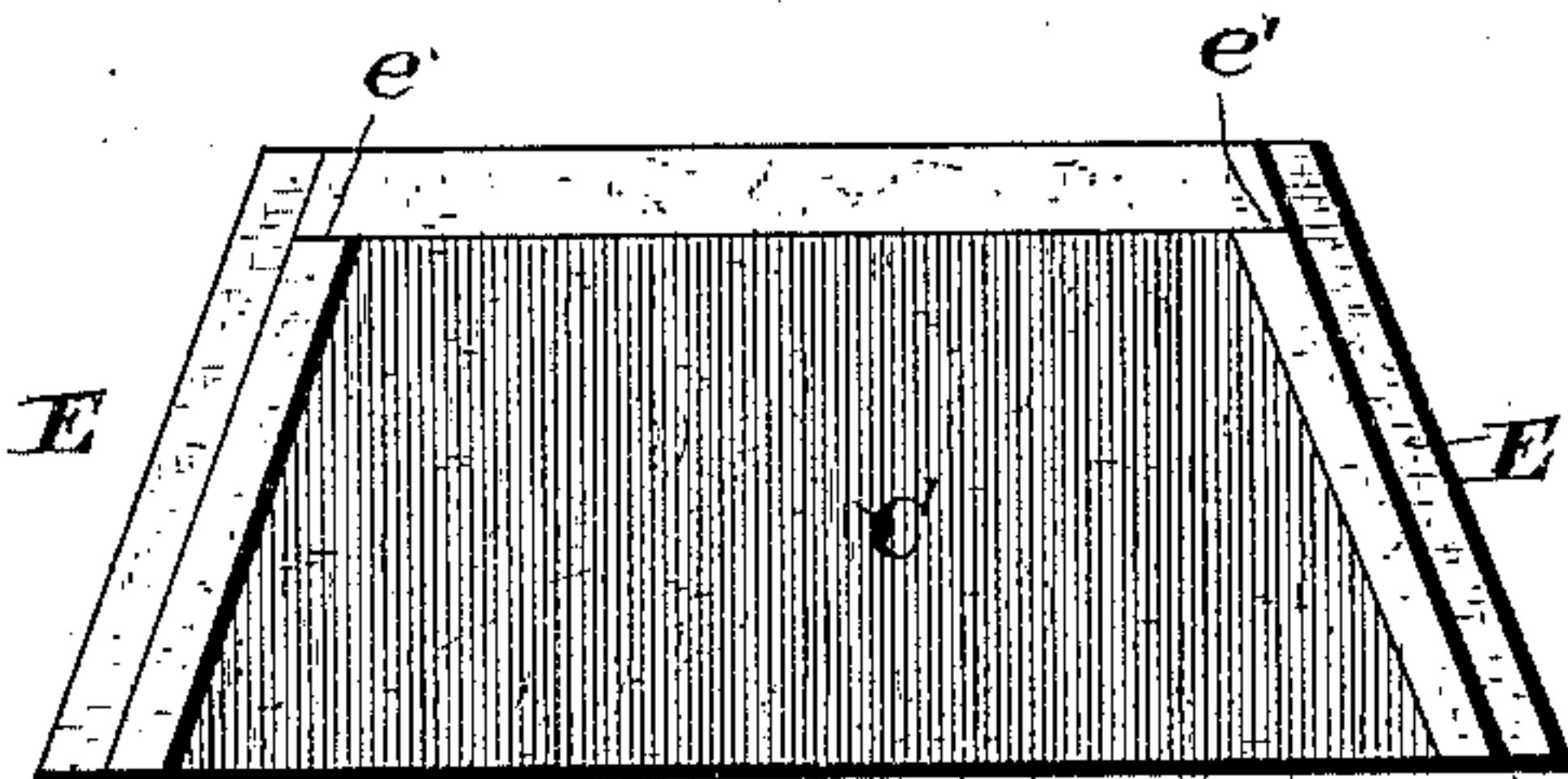
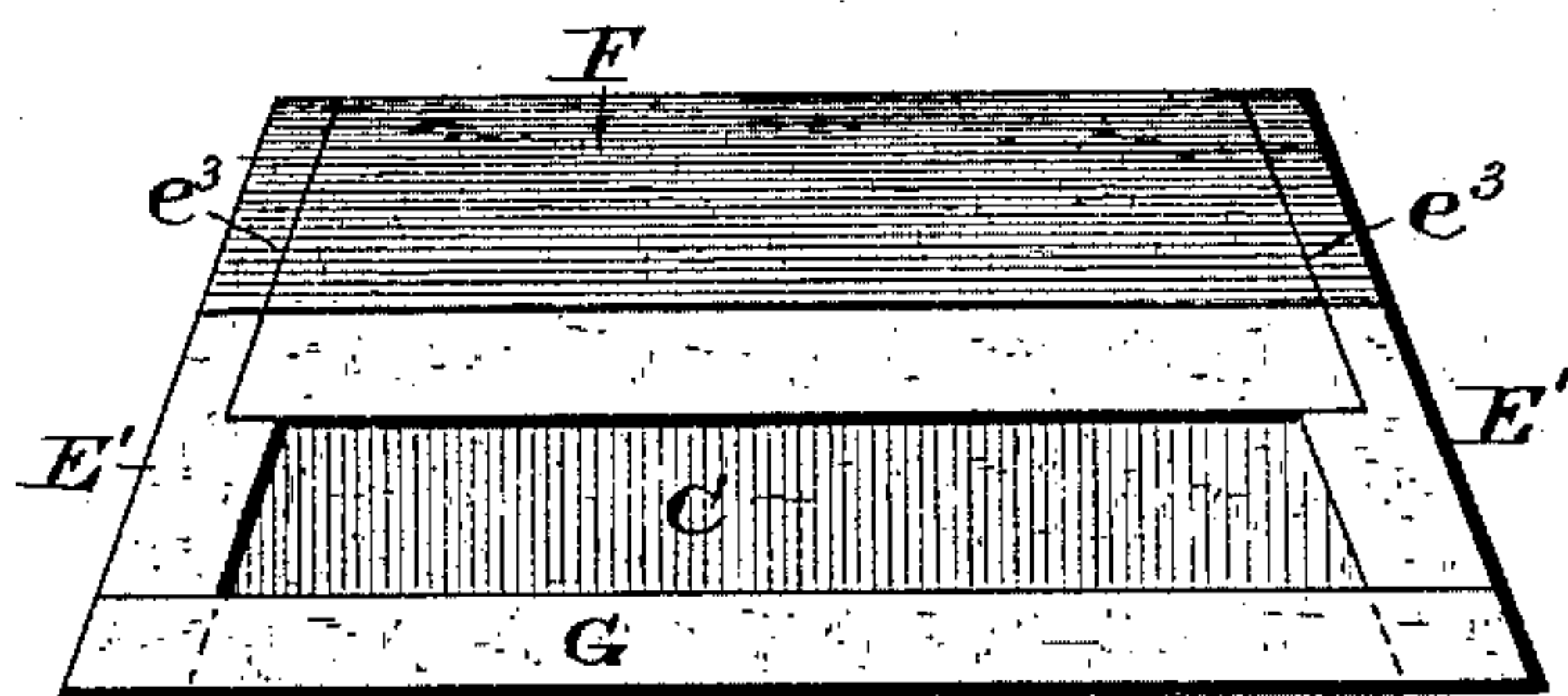


FIG. 4.



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FIG. 5.

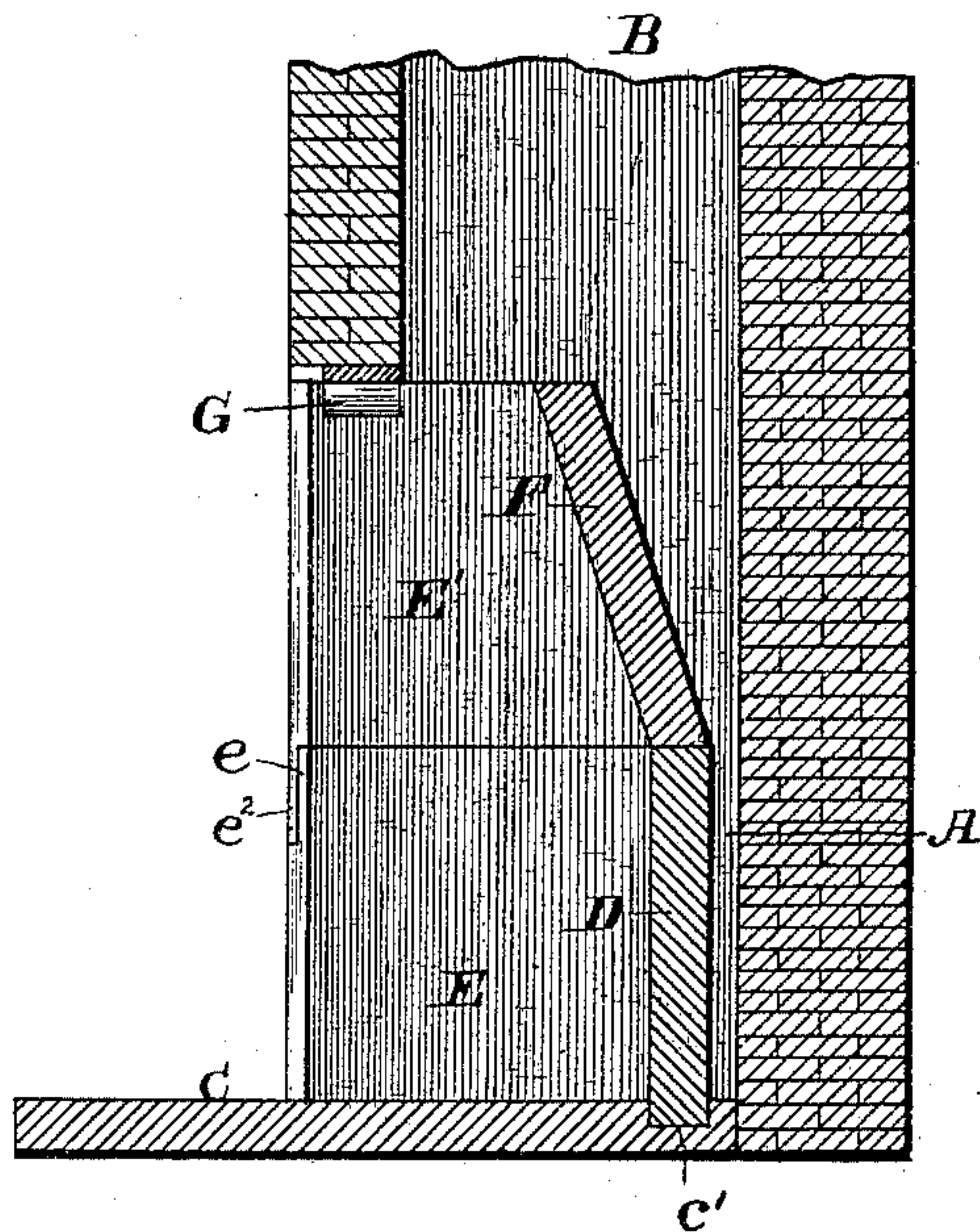


FIG. 6.

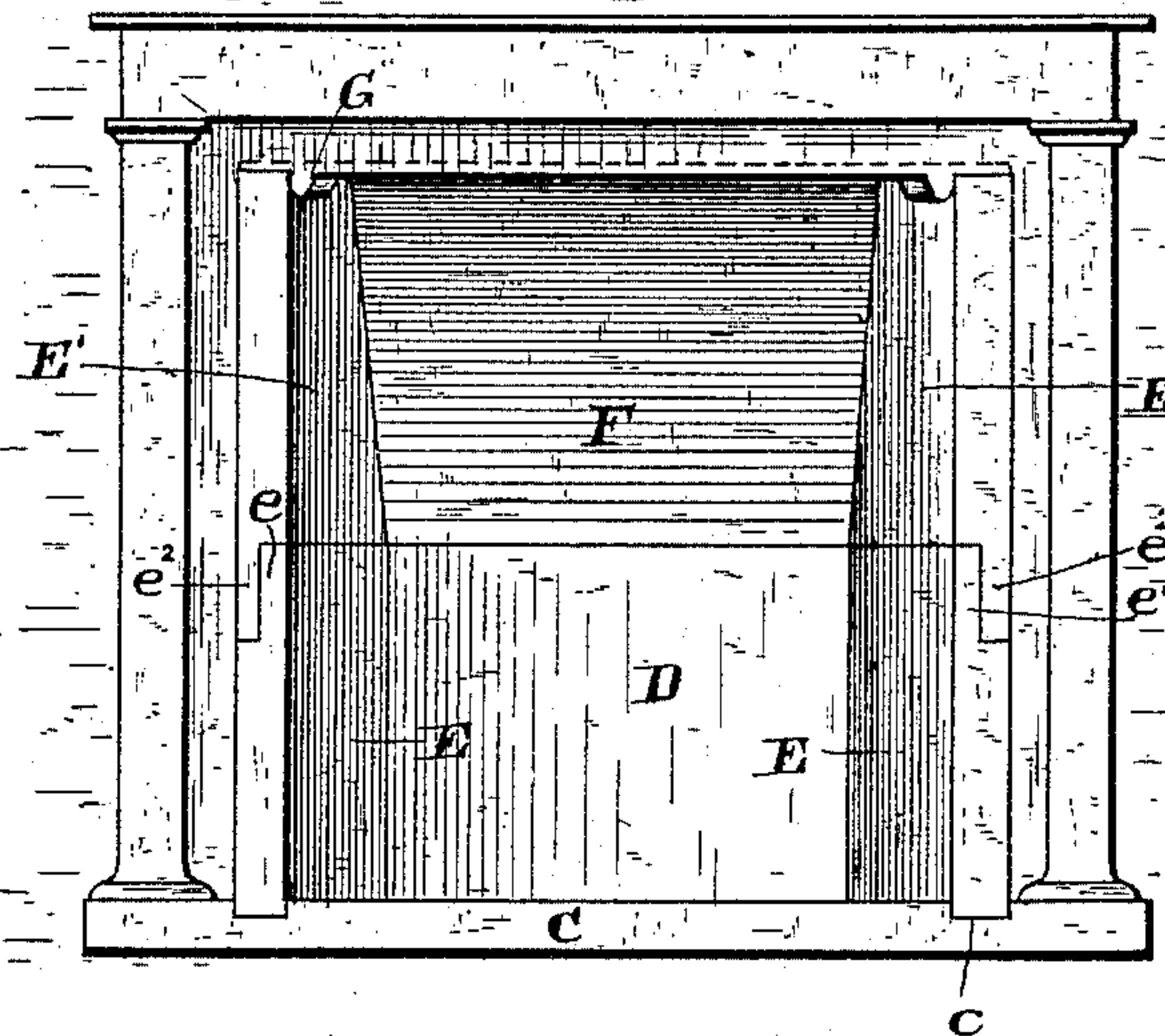


FIG. 7.

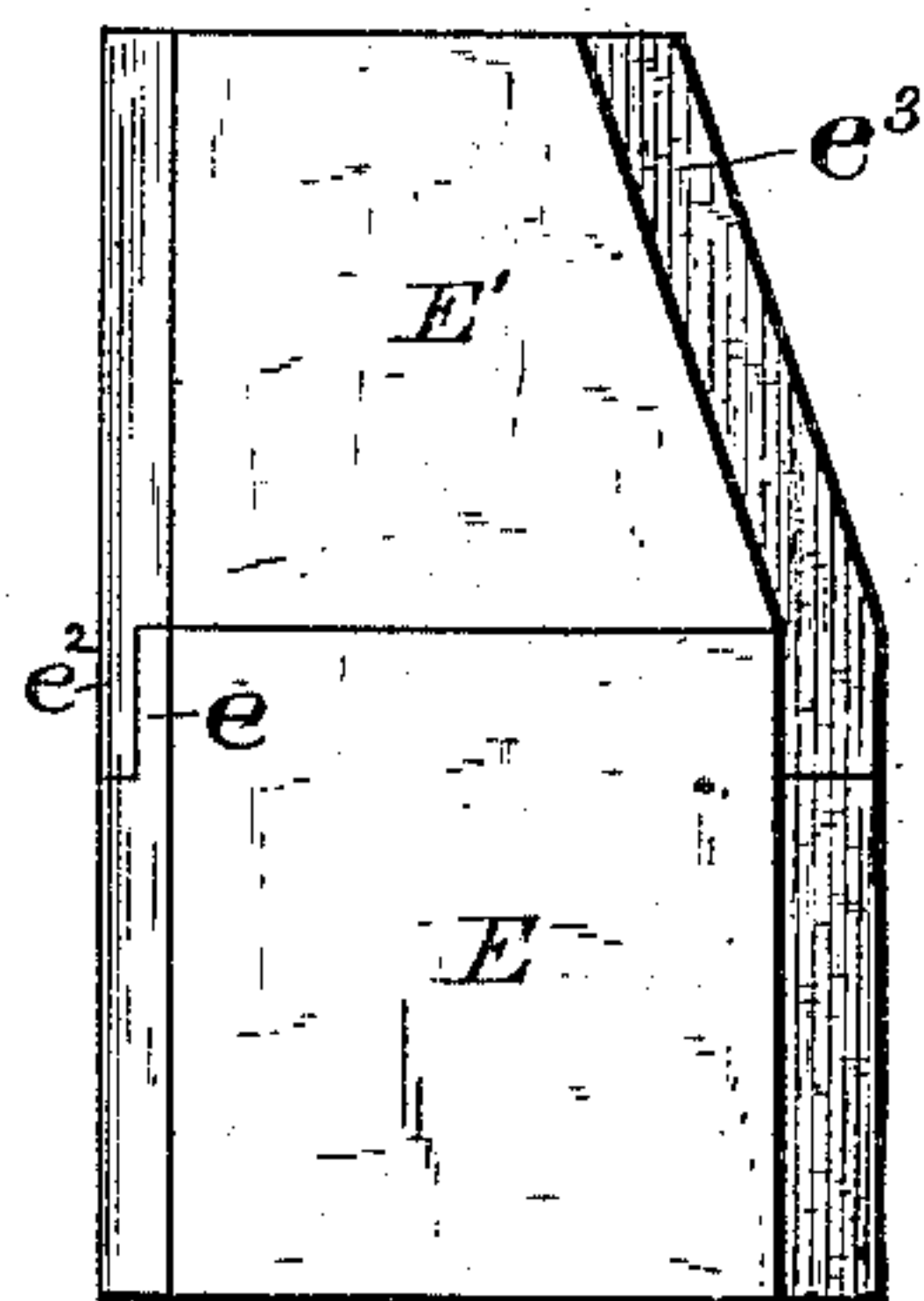
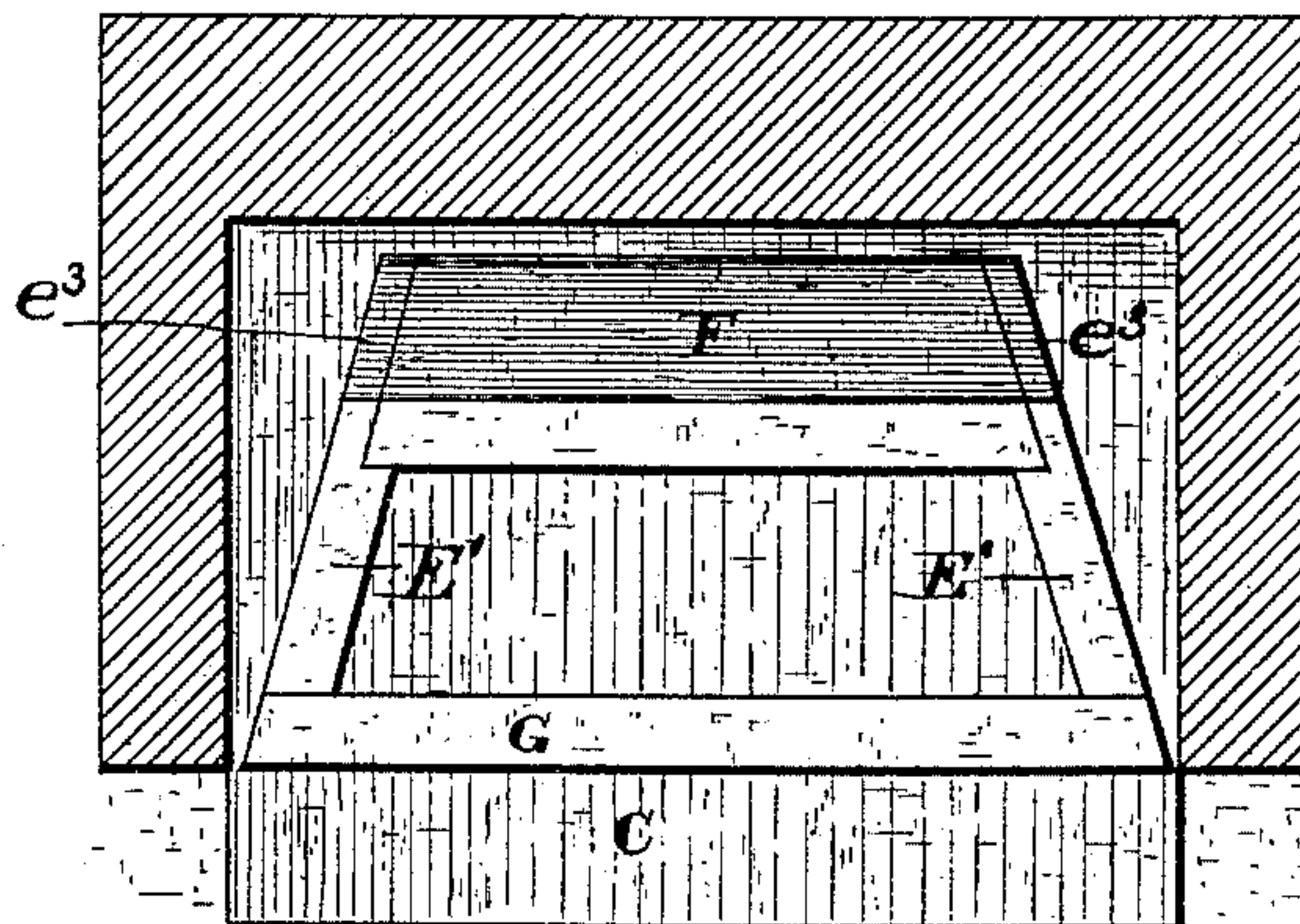


FIG. 8.



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UNITED STATES PATENT OFFICE.

DANIEL E. JONES, OF DENTON, TEXAS.

OPEN FIRE-PLACE.

SPECIFICATION forming part of Letters Patent No. 327,396, dated September 29, 1885.

Application filed December 24, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL E. JONES, a citizen of the United States, residing at Denton, in the county of Denton and State of Texas, have invented certain new and useful Improvements in Open Fire-Places, of which the following is a specification, reference being had therein to the accompanying drawings.

Figure 1 is a perspective view of the device as a whole. Fig. 2 is a perspective view with the parts separated in sections and ready to be placed together; Fig. 3, a plan of lower section; Fig. 4, a plan of upper section. Fig. 5 is a vertical section through my improved fire-place. Fig. 6 is a front view of my improved sectional fire-place. Fig. 7 is a front view of the two sections composing one of the sides. Fig. 8 is a top plan view of Fig. 5 on line with the top of the fire-place.

This invention relates to what are known as "open fire-places;" and it consists in a fire-place which is composed of a number of detachable sections of fire-brick or other refractory substance put together in such manner as to form a substantial structure, each section being readily removed from its fellow when necessary to replace it by a new section, as will be fully understood from the following description, when taken in connection with the annexed drawings. In these A designates a rectangular fire-place, and B the chimney-flue therefor, which may be constructed in the usual well-known manner.

C designates a slab of fire-brick which forms the hearth or bottom of the fire-place. This hearth is constructed with two side diverging grooves, $c\ c$, and a back groove, c' , as shown by Fig. 3.

D designates the vertical back slab, the lower edge of which fits into the groove c' of the hearth C. The sides of the fire-place are each composed of two slabs. The bottom side slabs, E E, fit into the converging grooves $c\ c$ of the hearth, and these slabs are rectangular, their top and back edges being rabbeted, as shown at $e\ e'$. The upper side sections, E' E', are adapted to fit snugly upon the upper edges of the bottom sections, and said upper sections have their bottom and rear edges rabbeted, as shown at $e^2\ e^3$. The upper edges of the sections E' E' form obtuse angles with the back edges thereof; or, in other words,

the said upper edges incline backward, as shown by Figs. 1 and 5. When the side sections of the fire-place are properly adjusted, their back edges lap over the vertical edges of the back section, D, as shown in Fig. 8, thus forming lock or lap joints.

F designates the cap or top section, the ends of which rest upon the inclined shoulders formed by the rabbets $e^3\ e^3$ in the top sections, E' E'. The rear edge of this top section rests upon the top edge of the back section, D. It will be seen that the top section, F, is inclined backward for the purpose of directing the heat into the room, and also that this section aids in locking the upper side sections, E' E', in their places.

For the purpose of holding all of the sections above the hearth firmly in their places, I employ a clamp-bar or tie, G, as shown in Fig. 1.

It will be seen from the above that I have a sectional fire-place which is readily applied in the well-known brick fire-place, and which can be removed therefrom either bodily or in sections, as may be desired. It will also be seen that should any one or more of the sections composing the fire-place become impaired by use the same can be readily replaced by new sections.

The sections may be made of fire-brick, artificial stone, or of any other suitable refractory substance.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, in an open fire-place, of a hearth grooved as described, side sections rabbeted together, and the back vertical and inclined sections jointed to the side sections, substantially as described.

2. The combination, in an open fire-place, of the bar G, a hearth grooved as described, side sections rabbeted together, and the back vertical and inclined sections jointed to the side sections, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

DANIEL E. JONES.

Witnesses:

E. BIGGERSTAFF,
WILLIAM H. PIERCE.