

J. COX.
Cooking Stove.

No. 92,173.

Patented July 6, 1869.

Fig. 1.

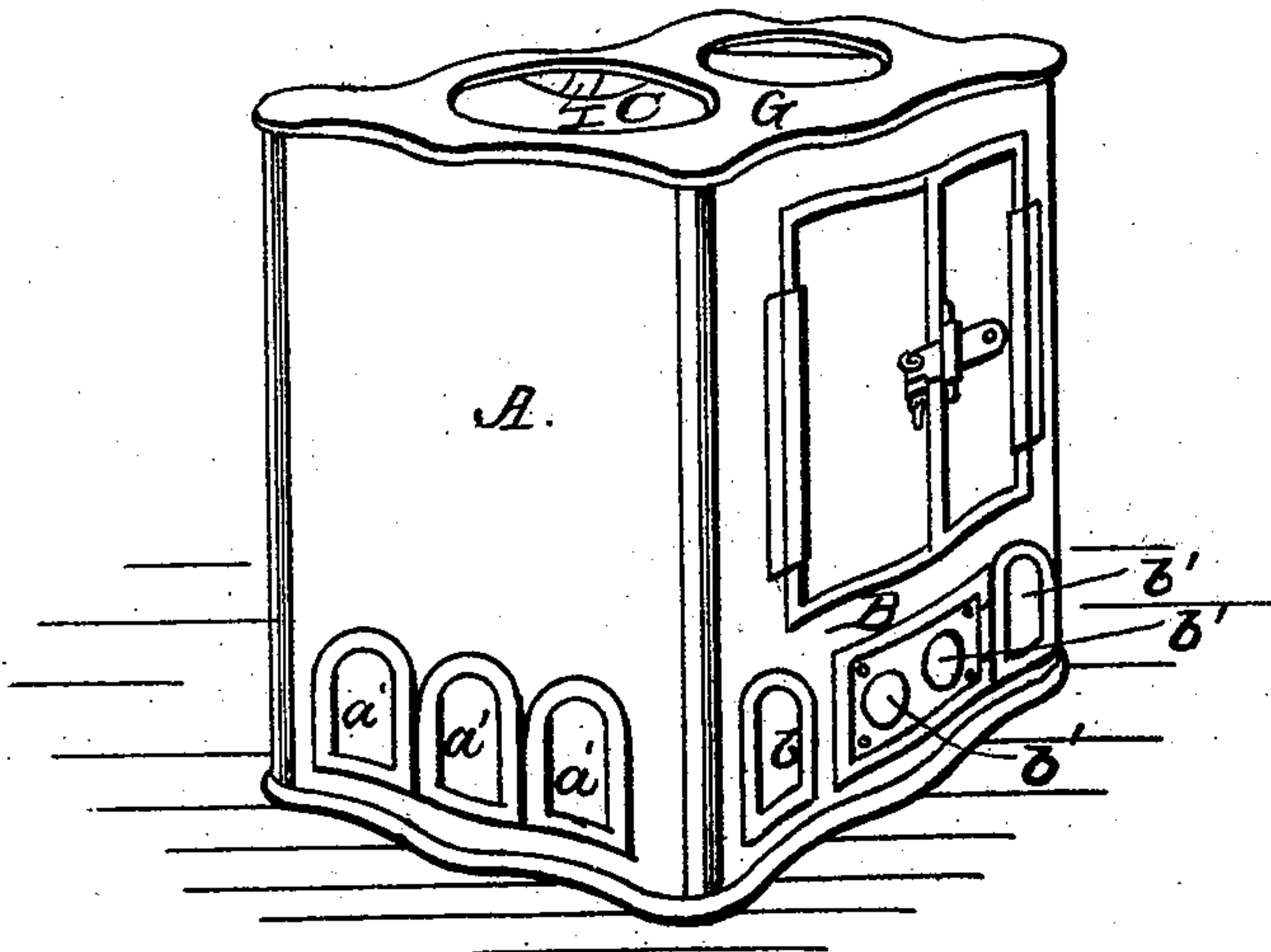


Fig. 2.

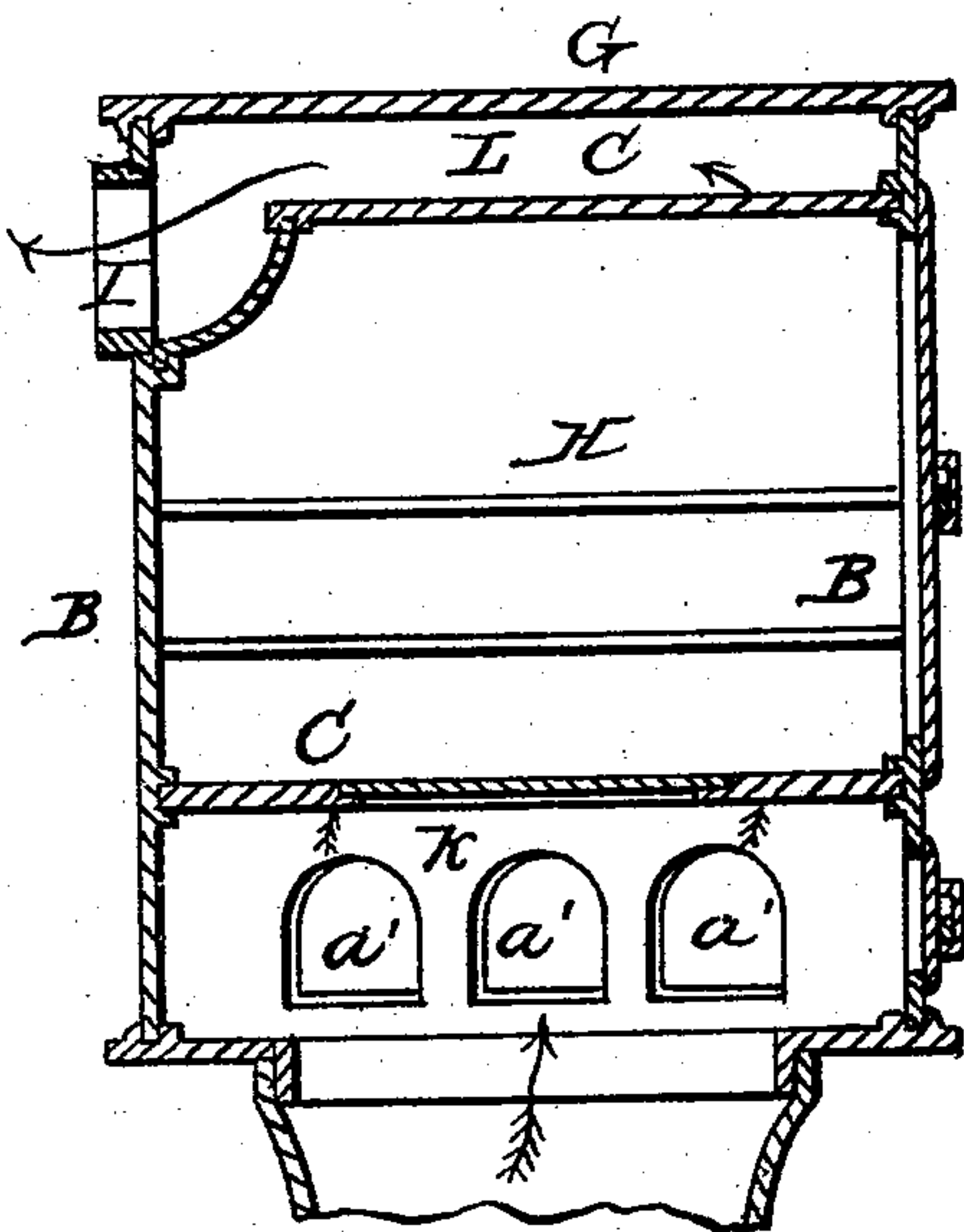
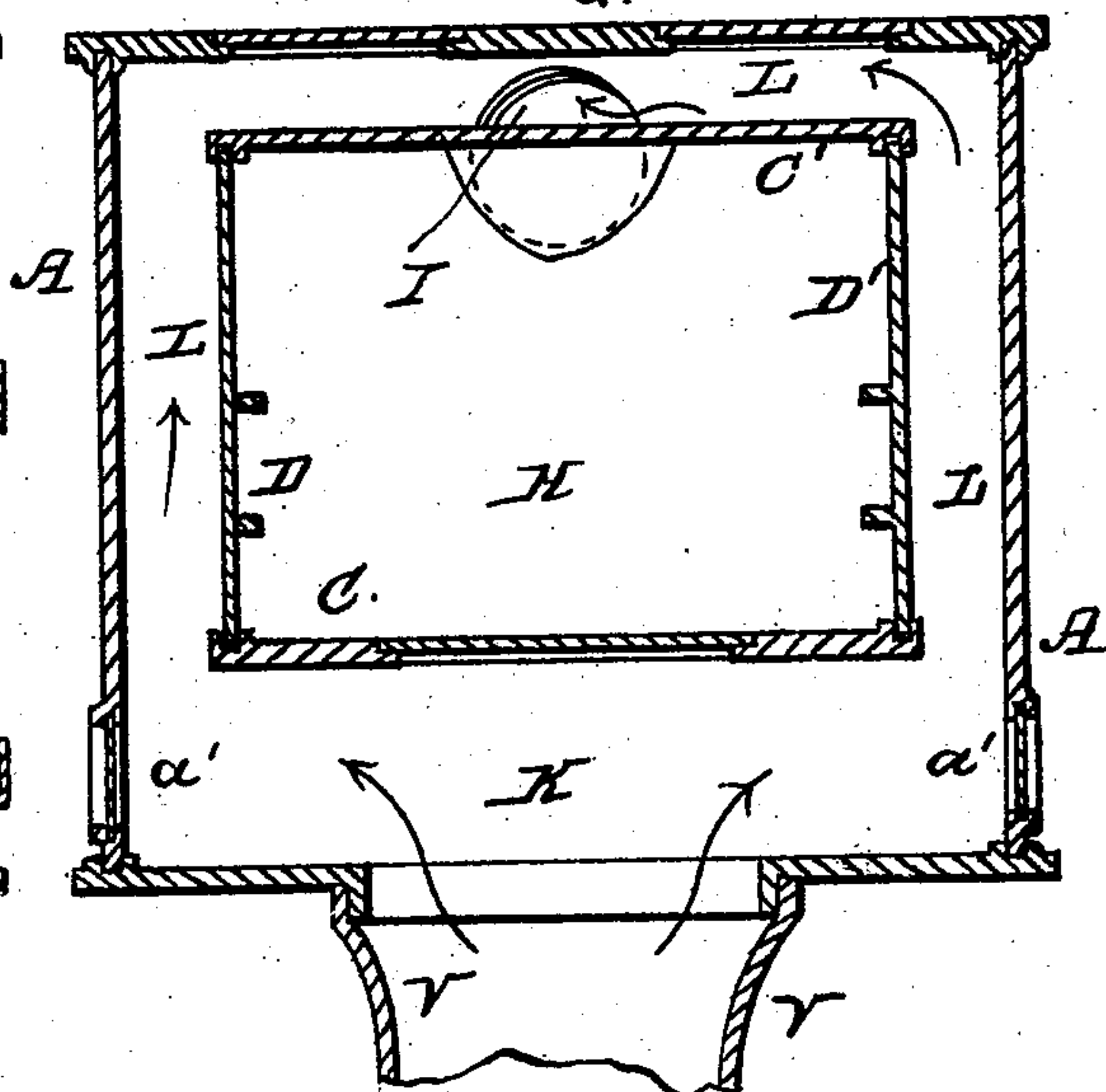


Fig. 3.



Witnesses
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JOSEPH COX, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 92,173, dated July 6, 1869. Antedated May 25.

IMPROVEMENT IN PLATES FOR PARLOR-STOVES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOSEPH COX, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in the Illuminating Parlor Oven-Stove; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the upper portion of the said improved stove, and

Figures 2 and 3, respective central vertical transverse and longitudinal sections of fig. 1.

Like letters of reference indicate the same parts when in the different figures.

In the construction of the illuminating parlor oven-stove, the outside plates of the oven, and of those of the illuminating-portion below it, have hitherto been made or cast separately, and the two apartments then formed by adjusting their respective plates in position, and finally connecting the so-formed parts together.

The object of my improvement is to reduce the cost of constructing this class of stoves; and

My invention consists in casting or constructing each of the outside vertical plates of the oven, and those of the illuminating-portion of the stove together, or in one piece, substantially as hereinafter set forth and described.

Referring to the drawings—

A A and B B are the outside vertical plates, which serve both for the oven and the illuminating-portions of the stove.

C C and D D, the interior plates of the oven-chamber; and

E E F, the flues, passing from the illuminating-portion K upward, and over the oven-chamber H, to the escape-flue I. (See figs. 2 and 3.)

The vertical outside plates A A and B B are each cast or constructed in one piece, so as to form, when adjusted together, the outside vertical or side walls of both the oven and the illuminating-portion of the

stove, and the inside plates C C and D D, of the interior chamber H of said oven, so as to form, when adjusted together, within the said outside vertical plates, A A and B B, and the horizontal top plate G, the flues L L L, extending from the illuminating-portion K, which is directly below the bottom plate, C, of the oven-chamber H, upward, and over the said oven-chamber, to the escape-flue I, as represented in the drawings.

In the operation of this improvement, the mica windows *a'* and *b'* show and transmit the light of the incandescent fuel, as heretofore, the illuminating-portion K being largely open to the said fuel in the fire-box or cylinder below, as indicated by the faint lines *r r* in figs. 2 and 3.

It will be seen that as the outside plates of the oven and of the illuminating-portion K are the same, there will necessarily be great economy in flasks for and time in moulding and casting, and therefore a considerable reduction in the cost of constructing this class of stoves; whilst at the same time the effectiveness of the stove, both for illuminating and baking, will be fully equal to those hitherto used for the same purposes.

A small economy in the manufacture of stoves is of great importance, in view of the present competition in the business.

Having thus fully described my improvement,

What I claim as new therein, and desire to secure by Letters Patent, is confined to the following:

I claim an illuminating parlor oven-stove, having each of the vertical outside plates or walls of both the oven and the illuminating-portion of the said stove cast or constructed in one and the same piece, substantially as and for the purpose described.

JOSEPH COX.

Witnesses:

BENJ. MORISON,

HENRY PHILLIPS, Jr.