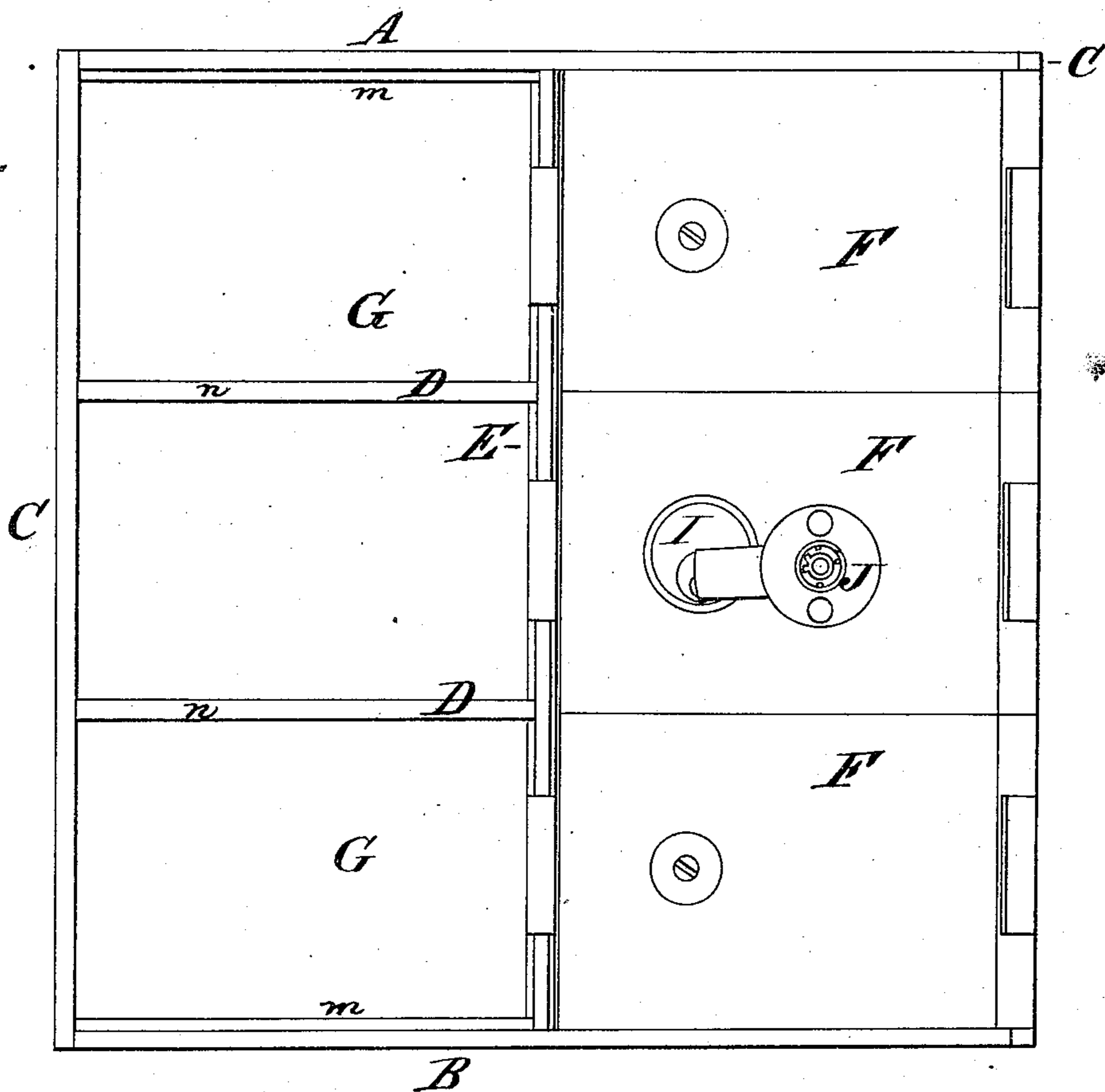


**J. C. HINTZ.
Multiple Safe.**

No. 164,172.

Patented June 8, 1875.

Fig. 1.



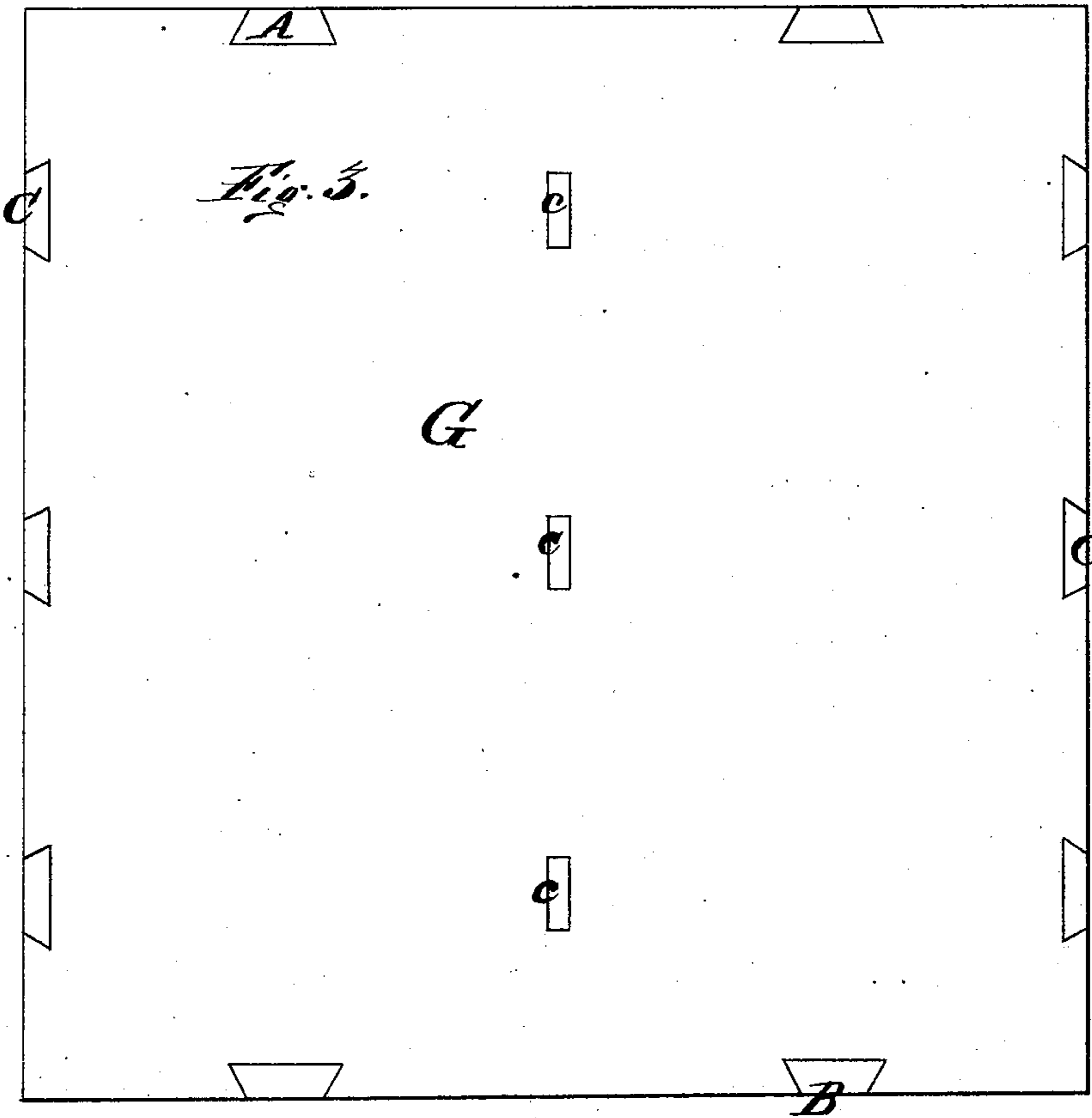
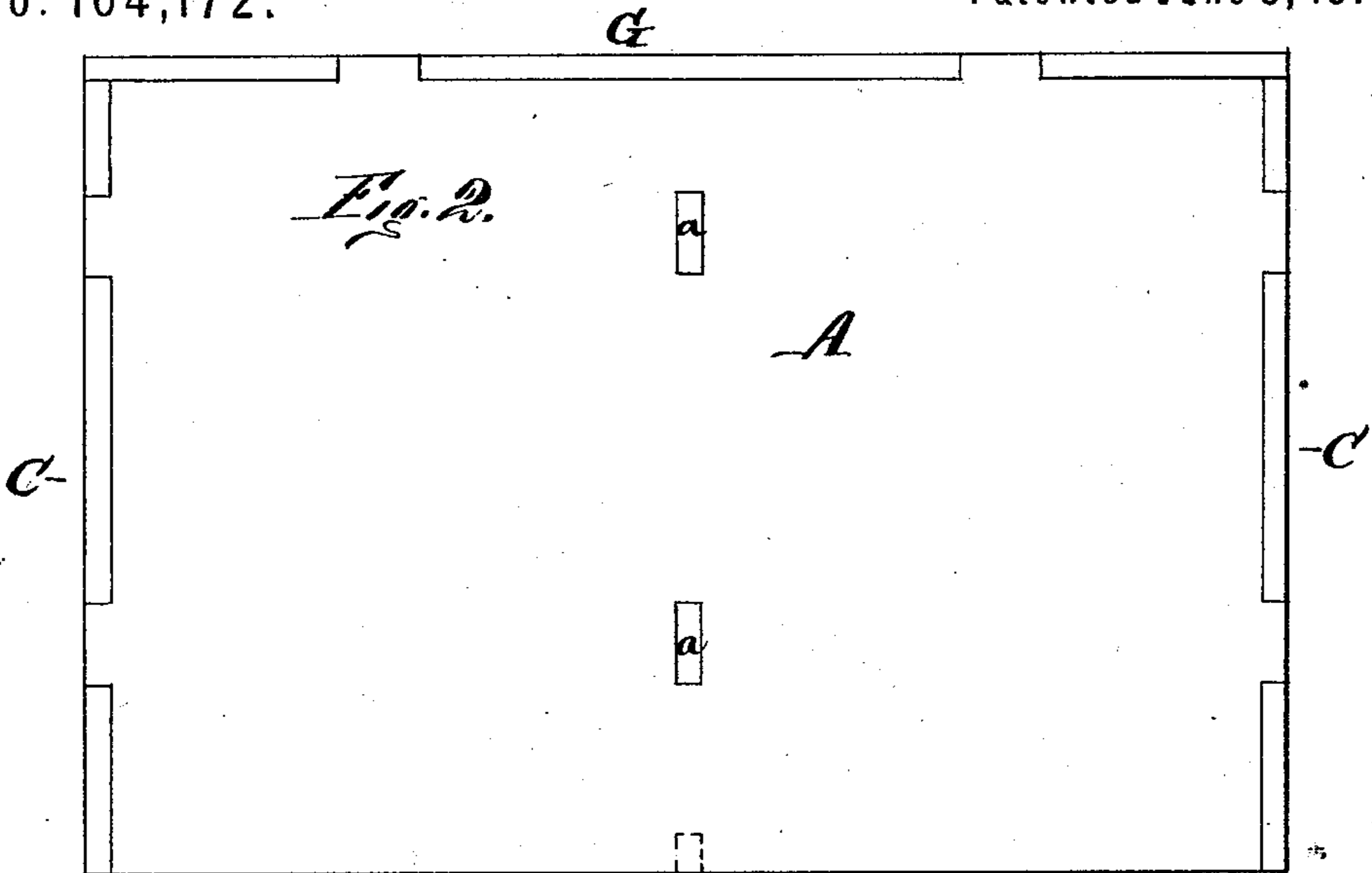
Witnesses.
W. L. Bennett.
Ed. S. Wightman

Inventor.
Julius Charles Hintz
by his atty.
C. S. Penwick

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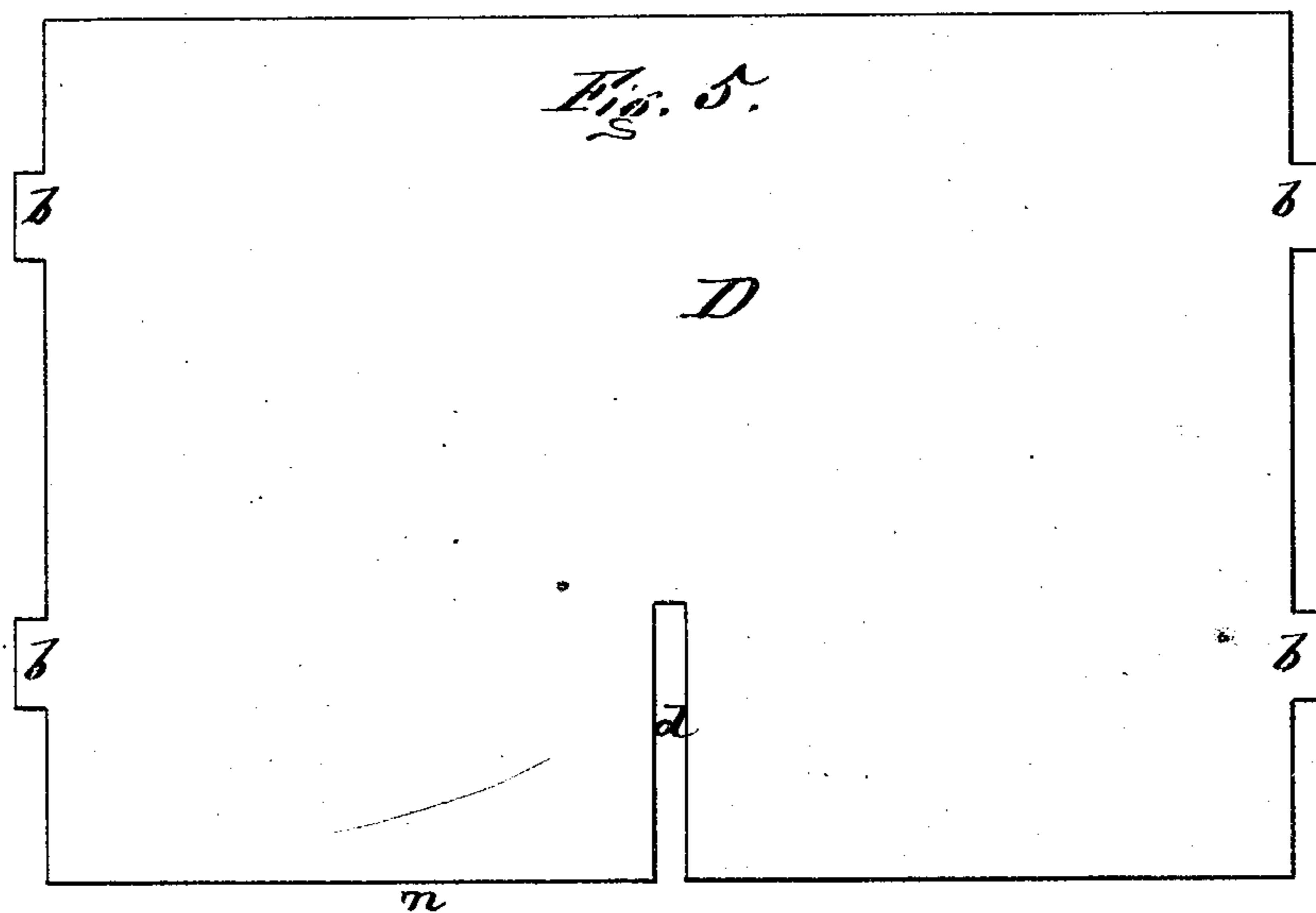
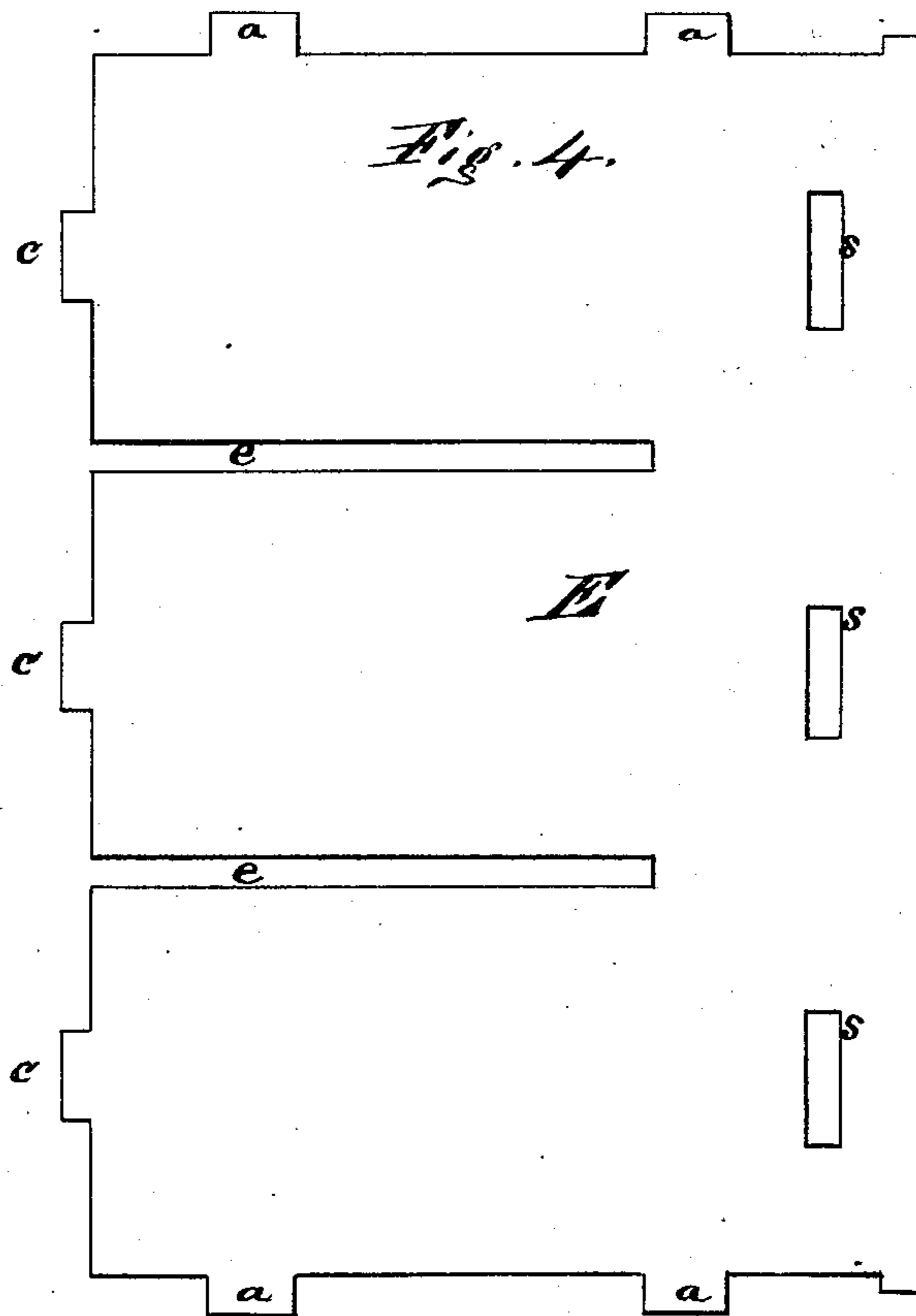
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UNITED STATES PATENT OFFICE.

JULIUS C. HINTZ, OF CANTON, OHIO.

IMPROVEMENT IN MULTIPLE SAFES.

Specification forming part of Letters Patent No. **164,172**, dated June 8, 1875; application filed April 19, 1875.

CASE B.

To all whom it may concern:

Be it known that I, JULIUS CHARLES HINTZ, of Canton, in the county of Stark and State of Ohio, have made an invention of certain new and useful Improvements in Multiple Safes; and that the following is a full, clear, and exact description and specification of the same.

This invention has reference to that class of safes in which a number or series of separate compartments of plate-iron, forming small safes, are contained in juxtaposition in one large fire and burglar proof vault; and its object is to enable such separate compartments to be constructed with economy of material and labor. To this end my invention consists of certain combinations of upright, horizontal, side, top, and bottom plates, which are specified in detail at the close of this specification.

In order that my invention may be fully understood, I have represented in the accompanying drawing, and will proceed to describe, a set of multiple safes embodying my invention in the best form at present known to me.

Figure 1 represents a front view of said series with some of the doors removed. Fig. 2 represents a top view of the same. Fig. 3 represents a rear view of the same. Fig. 4 represents a vertical partition-plate. Fig. 5 represents a horizontal partition-plate.

The said series of multiple safes is composed of a top plate, A, a bottom plate, B, two side plates, C C, one or more horizontal partition-plates, D, one or more vertical partition-plates, E, a back plate, G, and doors F.

In order to comply with the rules of the Patent Office I have represented said series as comprising only six compartments or separate safes; but the number may be increased, as required, the plates being extended and increased in number, as required for the increased number of separate compartments, but the system of combining the plates with each other remaining the same.

In the said series of compartments the upright partition-plates E and the horizontal partition-plates D are slotted transversely in opposite directions from their edges, the slots *e*, Fig. 4, in the upright partition-plates being

of a breadth equal, or thereabout, to the thickness of the horizontal partition-plates D, and the slots *d* of the horizontal partition-plates being of a breadth equal or thereabout to the thickness of the upright partition-plates E. In this example the slots of the vertical partition-plates extend from their rear edges forward, and those of the horizontal partition-plates extend from their front edges backward; but these directions of slotting may be reversed, if deemed expedient. The ends of the partition-plates, both upright and horizontal, are provided with tongues *a b*, and the top plate A, bottom plate B, and side plates C C are perforated with holes to receive these tongues. The rear edges of the upright partition-plates are also provided with tongues *c*, and the back plate G is perforated with holes to receive these tongues. The holes for the tongues are made slightly countersunk or flaring, and the tongues are made a little longer than the thickness of the plates, in the holes of which the tongues are to be engaged, so that the ends of the tongues may be riveted up after they are engaged in the holes. The ends of the side plates and top and bottom plates are either dovetailed together, as seen at Fig. 3, or are secured together by tongues projecting from the end of one plate into holes in the end of the adjacent plate. The top and bottom plates are rabbeted at their front edges, as seen at *m*, and the front edges *n* of the horizontal partition-plates are set back of those of the top, bottom, and side plates, so as to form stops for the doors. The doors F are hung by hinges upon the front edges of the upright partition-plates, and are fitted with door-locks I, and with key-hole locks J, in the usual manner, the sides of the upright partitions being made with slots *s* to receive the noses of the door-bolts.

It will be perceived from the foregoing description, that all the work of preparing the iron plates for setting up can be done by punching machinery, and that, as the slots in all the partition-plates of either kind, upright or horizontal, are duplicates, the work can be done with great rapidity and at a low cost. It will also be seen that when the iron plates are put together they support each other, and

that the tongues lock the whole structure firmly together and prevent the displacement of the separate parts.

Having thus described the mode in which I have carried my invention into effect, I declare that I am aware that slotted partitions have been employed in the manufacture of wooden pigeon-holes, and that these partitions have been connected with the top, bottom, and sides of the case in which they were placed. I therefore do not claim, broadly, every combination of slotted partitions; but I claim as my invention in multiple safes—

The combination, substantially as before set forth, of the horizontal and upright partition-plates, transversely slotted in opposite directions, the perforated top, bottom, back, and side plates, connected with said partition-plates by tongues, and the doors.

Witness my hand this 14th day of April, A. D. 1875.

JULIUS CHARLES HINTZ.

Witnesses:

LOUIS SCHAEFER,
JNO. T. USTICK.