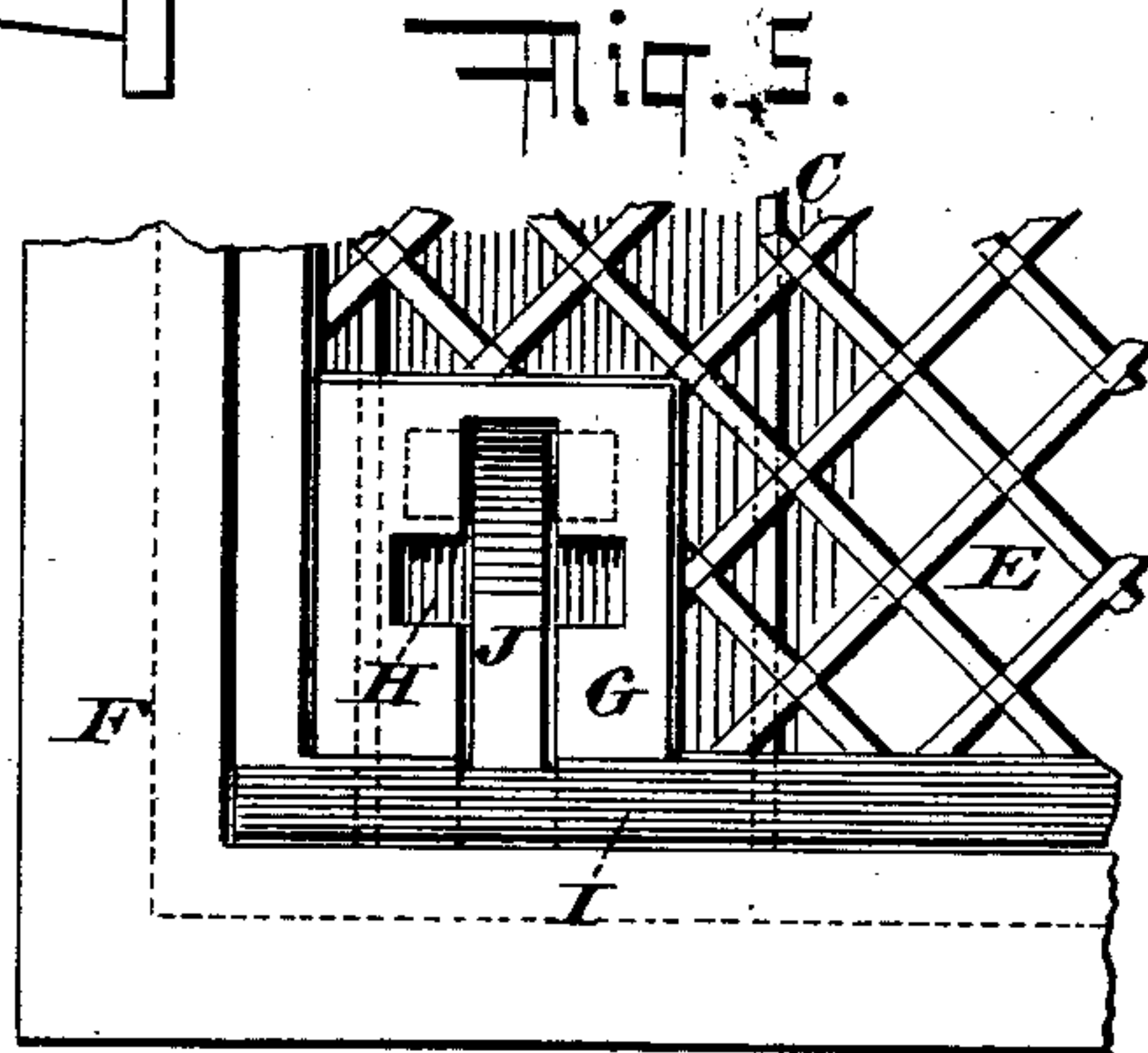
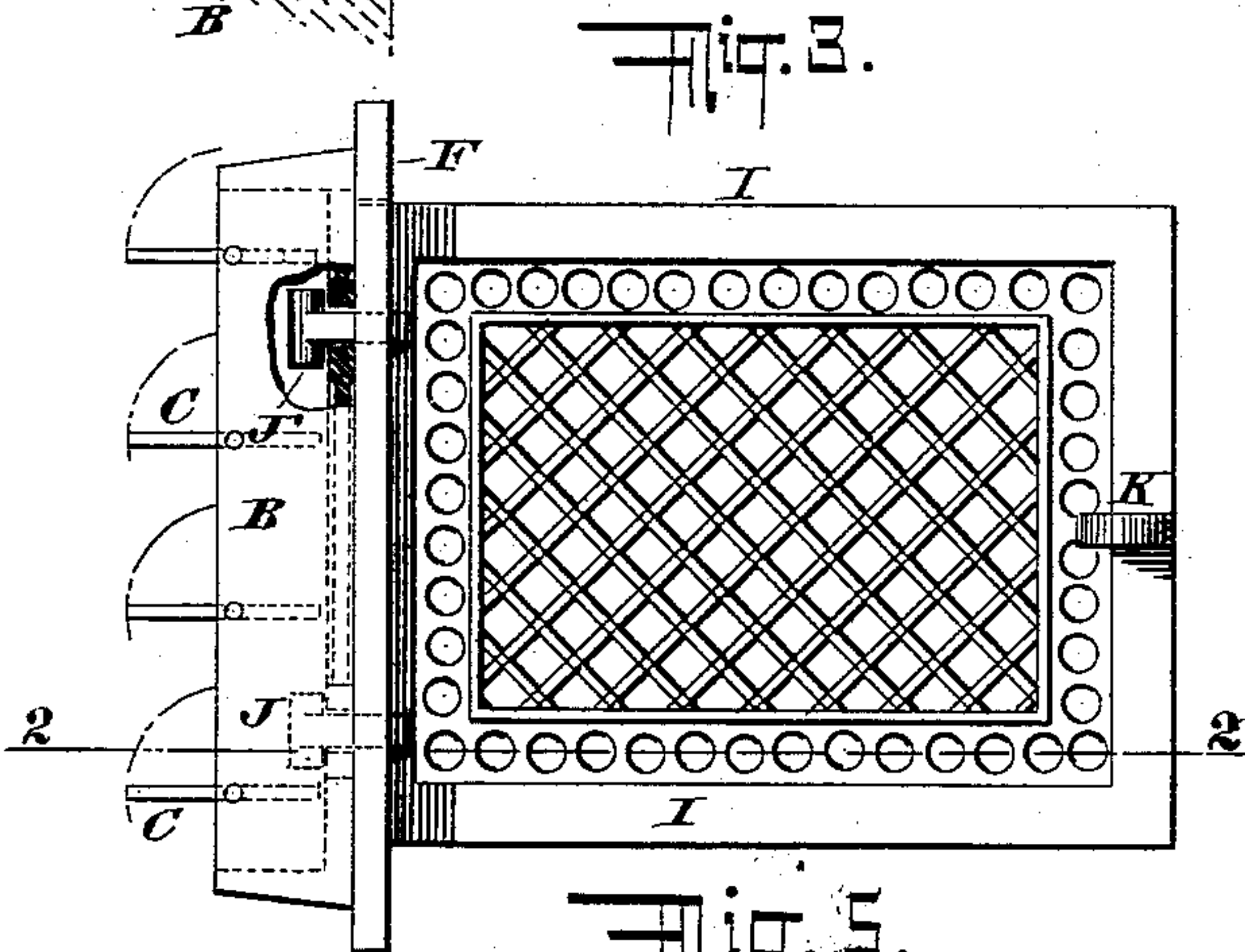
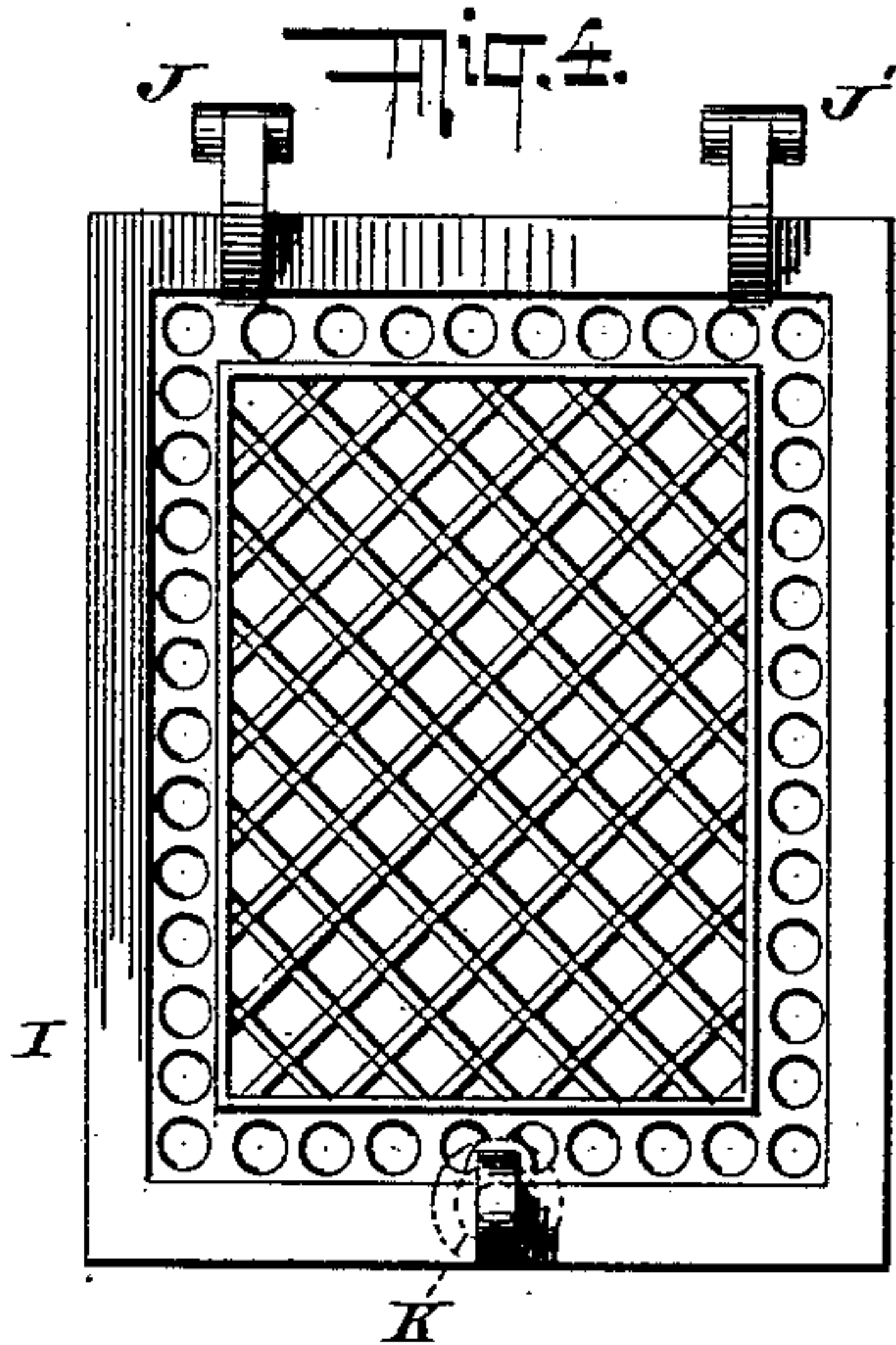
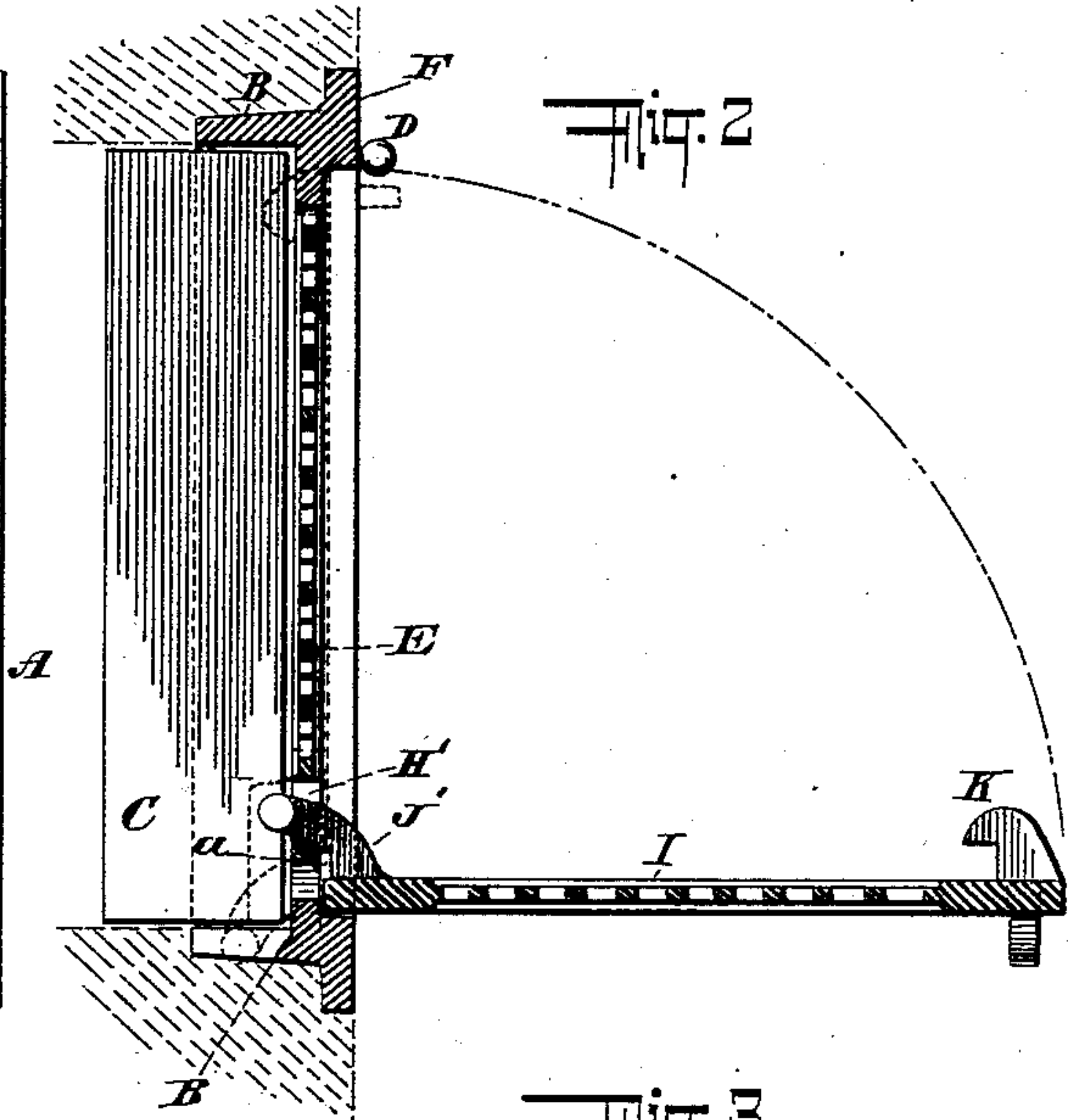
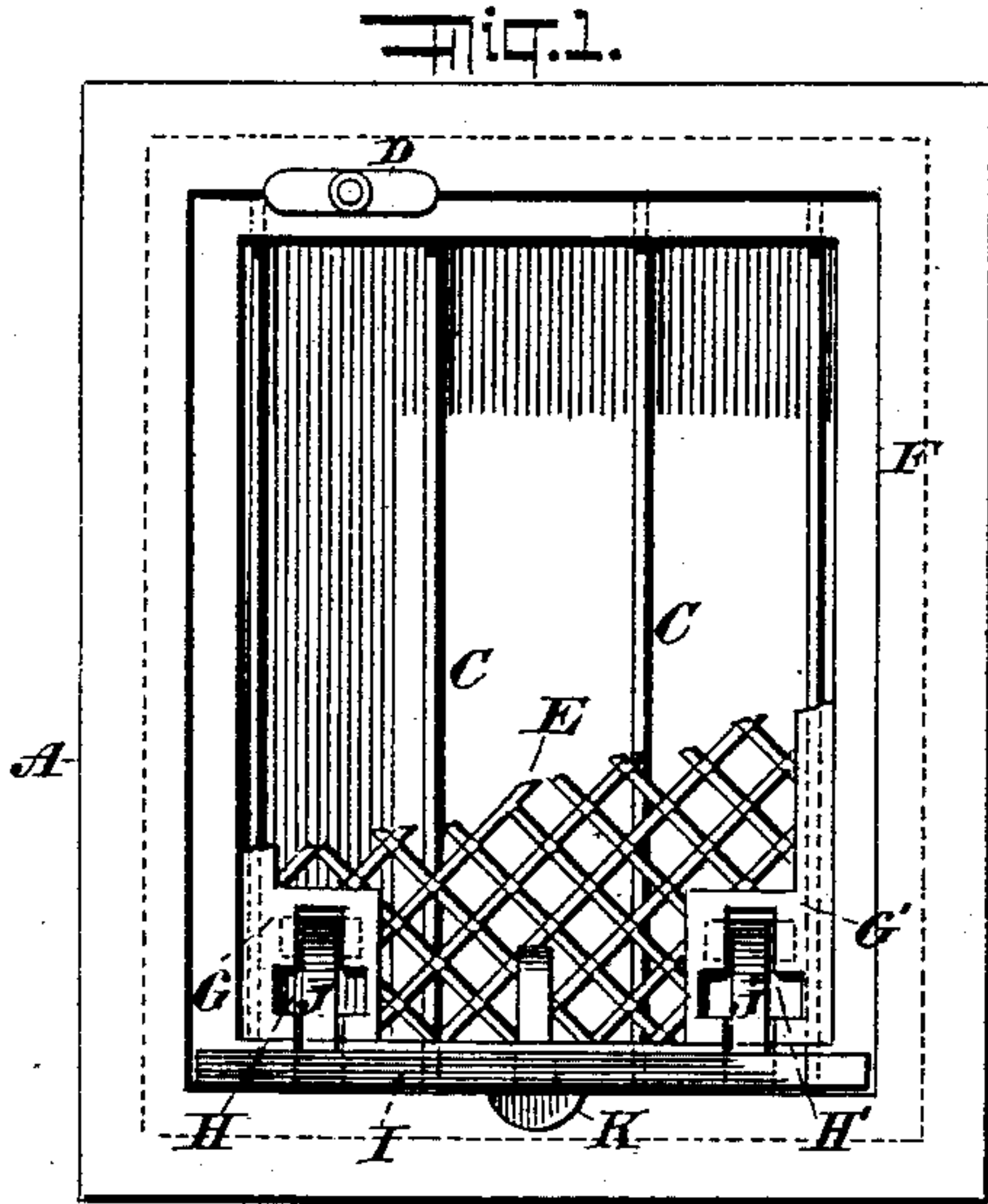


(No Model.)

J. P. HALLENBECK.
REGISTER.

No. 541,204.

Patented June 18, 1895.



WITNESSES:

Gust. Dietrich
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UNITED STATES PATENT OFFICE.

JOSEPH P. HALLENBECK, OF MOUNT VERNON, ASSIGNOR OF ONE-HALF
TO WASHINGTON I. KILPATRICK, OF NEW YORK N. Y.

REGISTER.

SPECIFICATION forming part of Letters Patent No. 541,204, dated June 18, 1895.

Application filed February 15, 1895. Serial No. 538,483. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH P. HALLENBECK, a citizen of the United States, residing at Mount Vernon, Westchester county, in the State of New York, have invented certain new and useful Improvements in Registers, of which the following is a full, clear, and exact description.

My invention relates to registers for hot air and similar heaters, and has for its object to produce a register providing a simple and convenient support upon which, when opened to its horizontal position, objects such as water pitchers, towels, and other articles may be placed in order to warm or dry the same, and which support may, when not in use, be closed or folded upon the register, and secured thereto by suitable fastenings, and the whole then present the appearance of the ordinary wall register now commonly used.

My invention consists in the novel combination, connection and arrangement of parts hereinafter more fully described and pointed out in the claim.

In the accompanying drawings, forming part of this specification, wherein like letters of reference indicate like parts, Figure 1 is a front view of my improved register, showing the hinged plate and the rigid plate, the latter being partly broken out to expose the shutters. Fig. 2 is a vertical section thereof, the same being taken on the line 2 2 of Fig. 3. Fig. 3 is a top view showing the hinged plate in its open position and the register-frame partly broken to show the T-shaped lugs which serve to support the hinged plate in its horizontal position. Fig. 4 is a detail top view of the hinged plate detached from the register; and Fig. 5 is an enlarged detail front view showing a corner of the rigid plate, the cruciform slot therein, and the T-shaped lug on the hinged plate supported in said corner.

In the drawings, A designates the register, consisting of the frame B provided with shutters C, regulator D, and a perforated front plate E. The front plate E is in the ordinary constructions made flush, but in this construction it is recessed and provided with a flange F, and the recessed portion provided

with solid corners G, G' having cruciform slots H, H' therein.

I is a hinged plate having T-shaped lugs J, J' thereon which extend through the cruciform slots H, H' and serve to support the plate I in its open or horizontal position. The under sides of these T-shaped lugs are provided with recesses *a* which are adapted to engage with the flange F and hold the lower portion of the hinged plate I firmly when the same is closed to its vertical position.

The rigid plate E being recessed is adapted to receive the hinged plate I, likewise perforated, and having the apertures therein so arranged that they will correspond with those in the rigid plate, and when the said hinged plate is closed or folded upon the rigid plate E they will combine to form passages for the hot air.

The hinged plate I fits snugly within the recessed portion of the plate E and thereby makes a flush surface, and gives to the whole the appearance of an ordinary wall register when the hinged plate is closed, and not in use.

In the center of the plate I near the top thereof is a locking device K, which may be made either rigid with said plate or revoluble therein, consisting of a detent portion at the rear of the plate and knob at the front thereof.

In top of the rigid plate E is a slot (not seen) through which the detent on the hinged plate I extends, and locks against the inner side of said plate E when the plate I is wholly closed. The detent in this construction is rigidly secured to the plate, and in order to render the same operative it becomes necessary to construct the slot into which said detent extends sufficiently large, and likewise the recessed portion of the rigid plate E to permit of a slight vertical movement of the hinged plate I when the same is to be closed or folded upon the plate E.

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

In a register for hot air and similar heaters, the combination of a frame and a recessed

perforated face plate rigidly secured thereto
having solid corners provided with cruciform
slots with a hinged plate having perforations
therein corresponding with those in the rigid
5 plate, said hinged plate being adapted, when
closed to its vertical position, to fit into the
recessed portion of the rigid plate, and pro-
vided with T-shaped lugs adapted to extend
10 through the cruciform slots and rest against
the rear side of the rigid plate to support the
hinged plate in its open horizontal position,

and a locking device for securing the same in
its closed vertical position against the rigid
plate, substantially as specified.

Signed at the city of New York, in the 15
county and State of New York, this 11th day
of February, 1895.

JOSEPH P. HALLENBECK.

Witnesses:

GUSTAVE DIETERICH,
JOHN KEHLENBECK.