

D. M. PRIMM.
BROOD COOP.

APPLICATION FILED APR. 22, 1908.

916,014.

Patented Mar. 23, 1909.

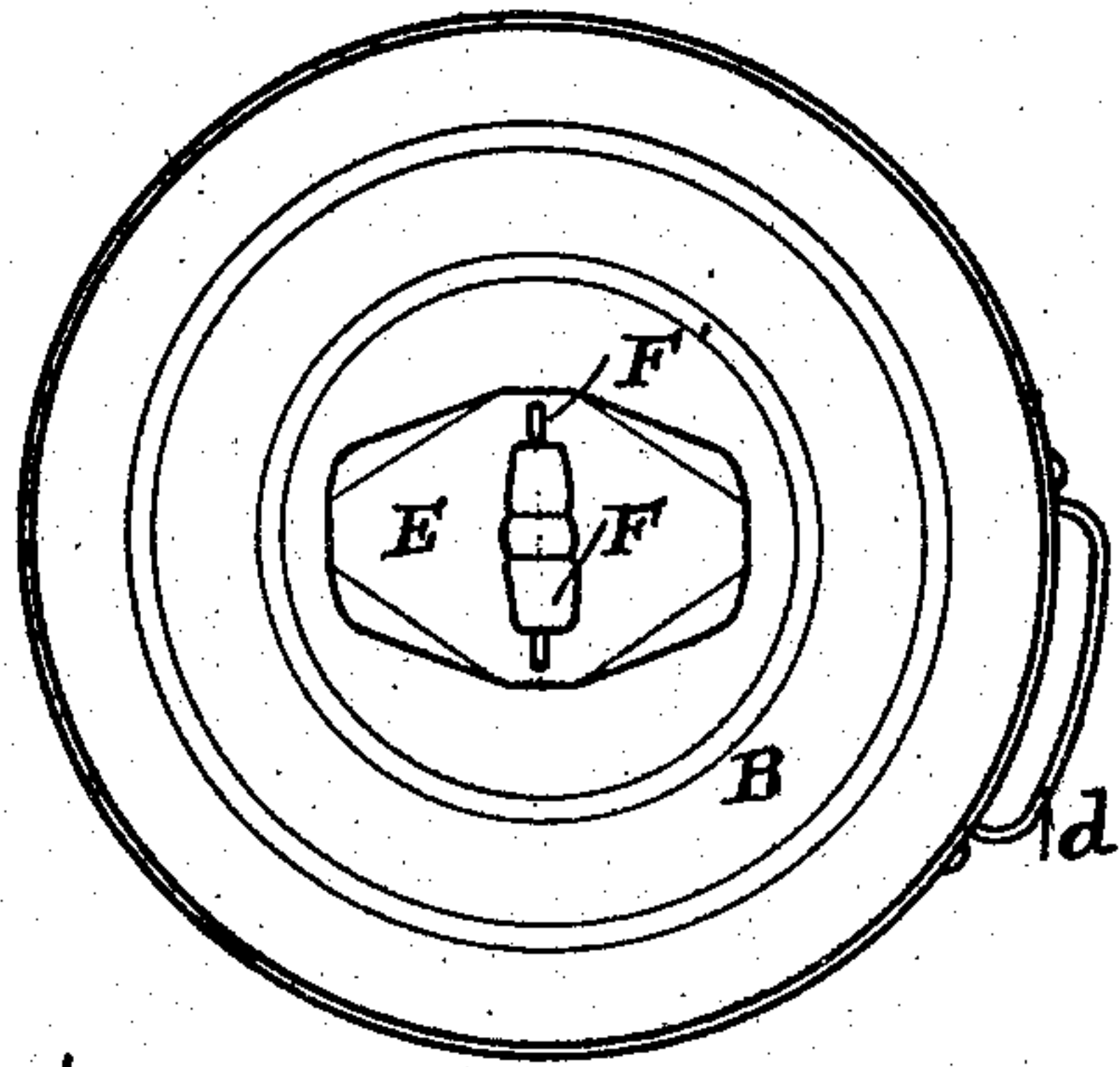


Fig. 1.

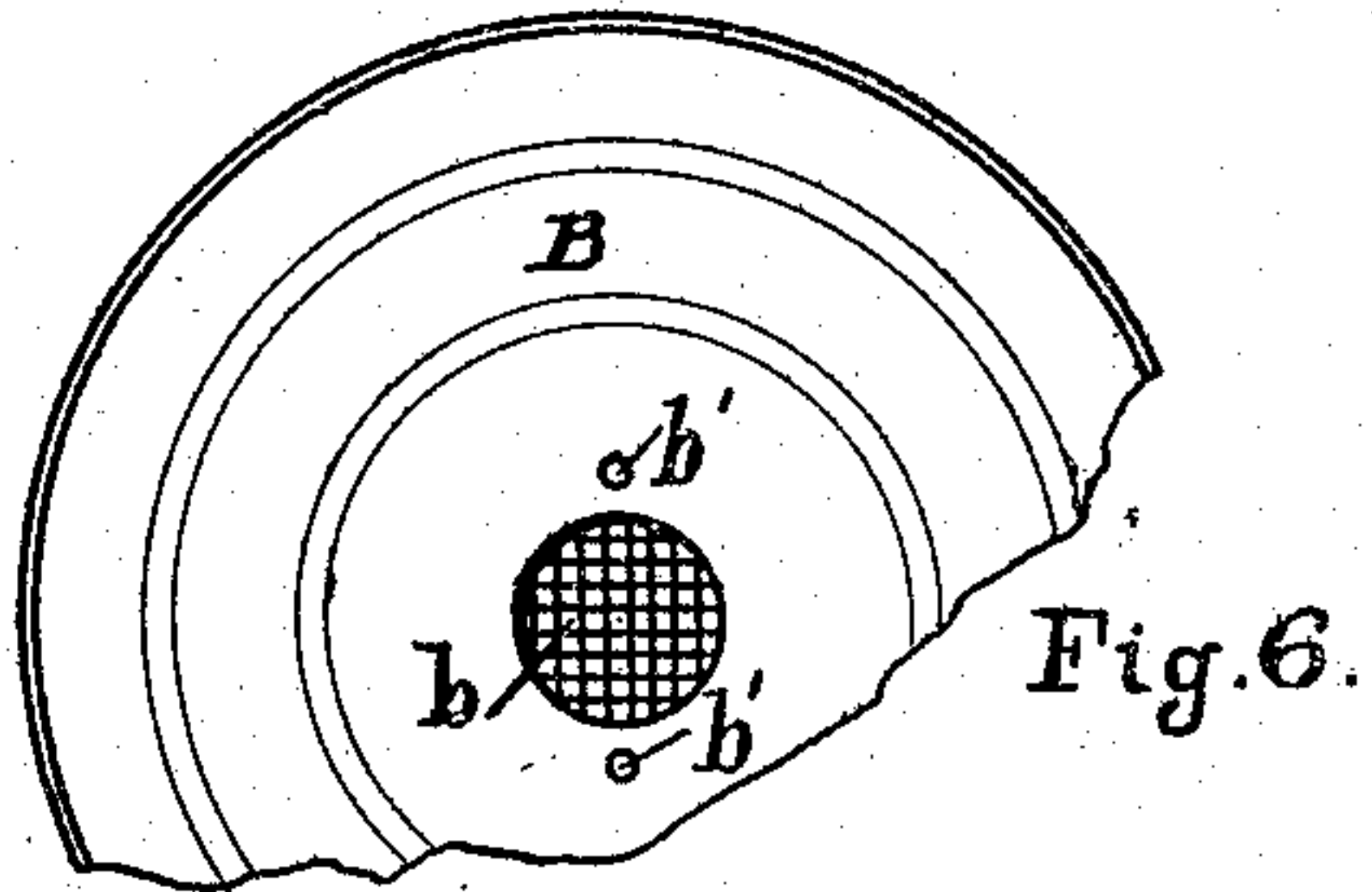


Fig. 6.

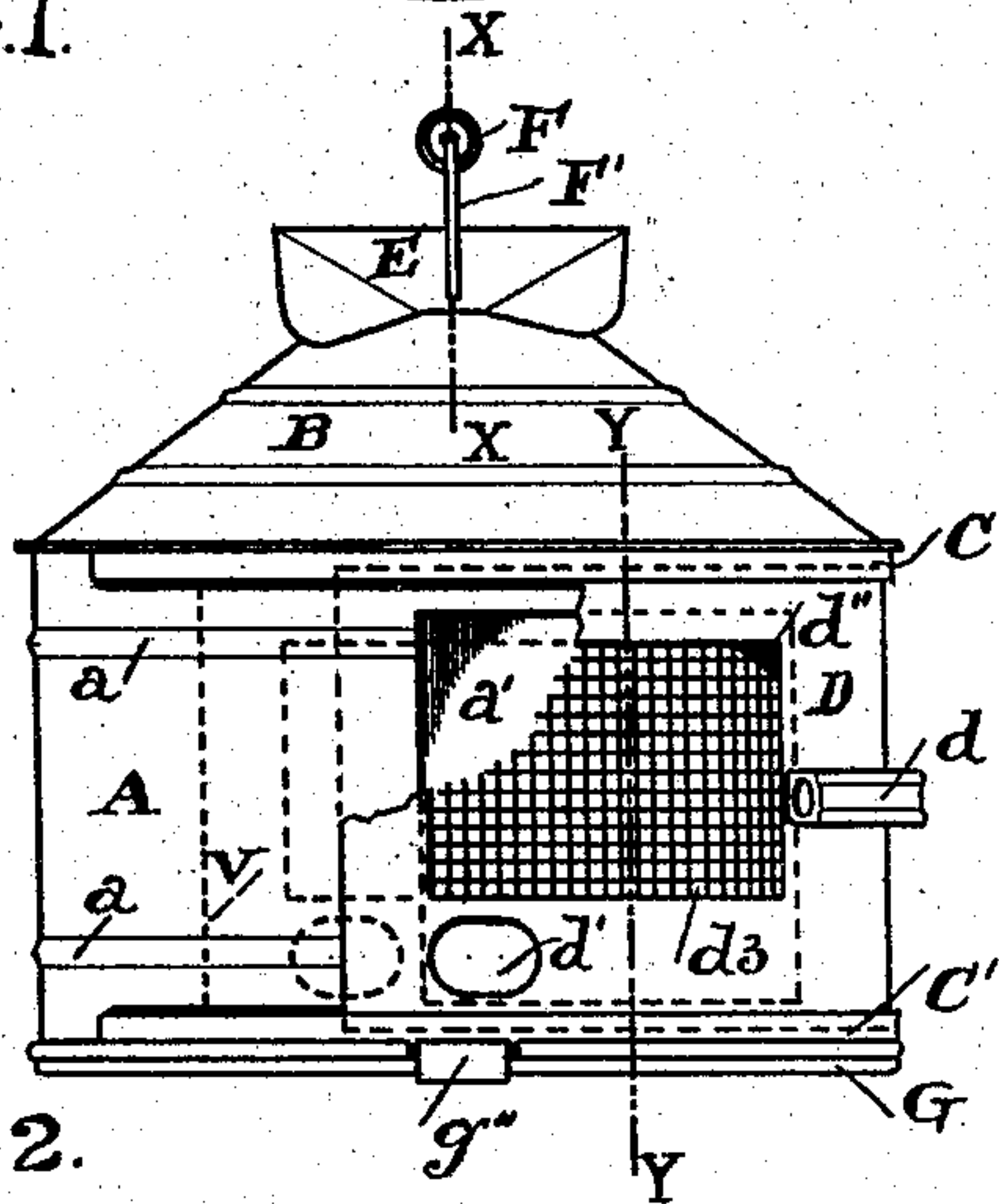


Fig. 2.

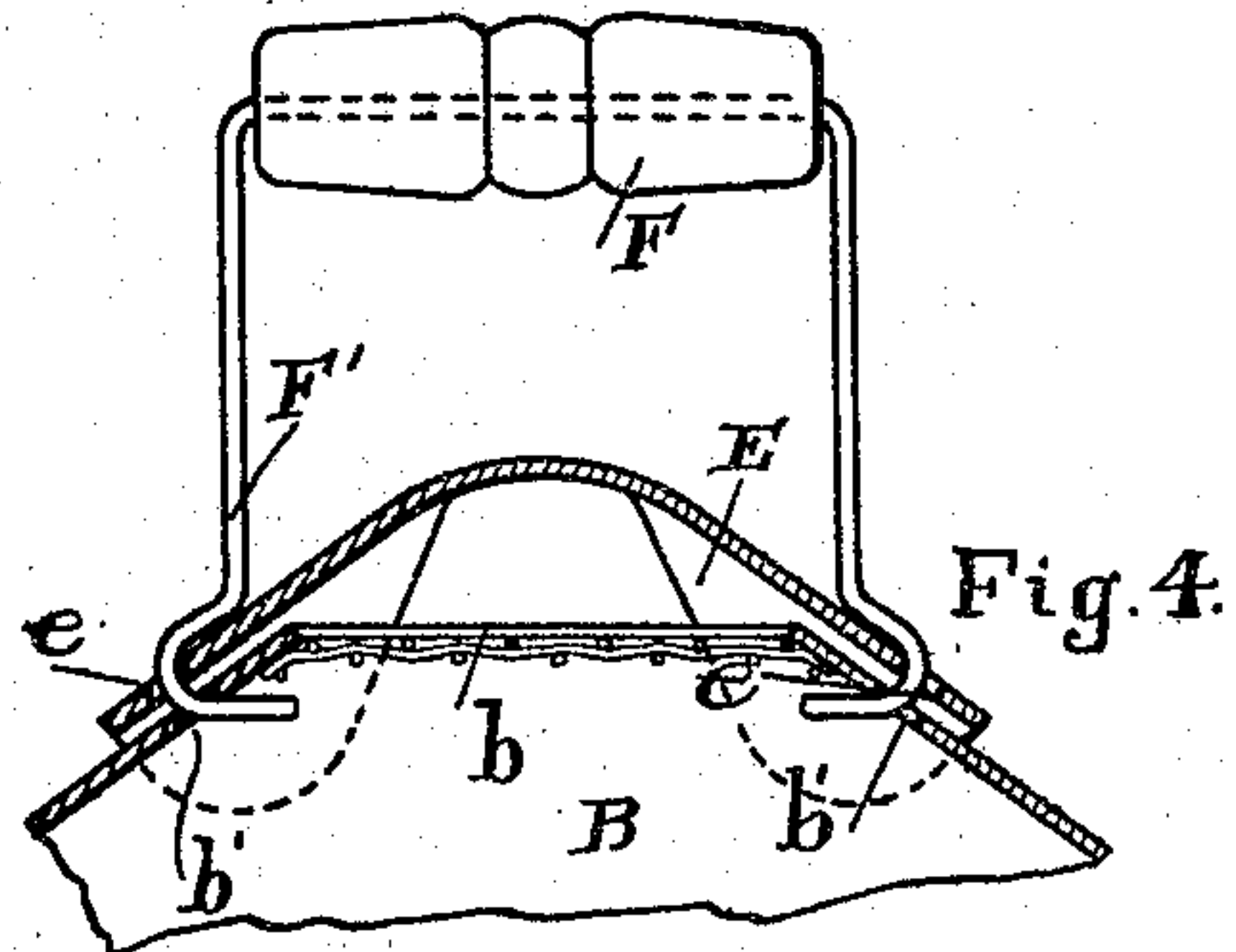


Fig. 4.

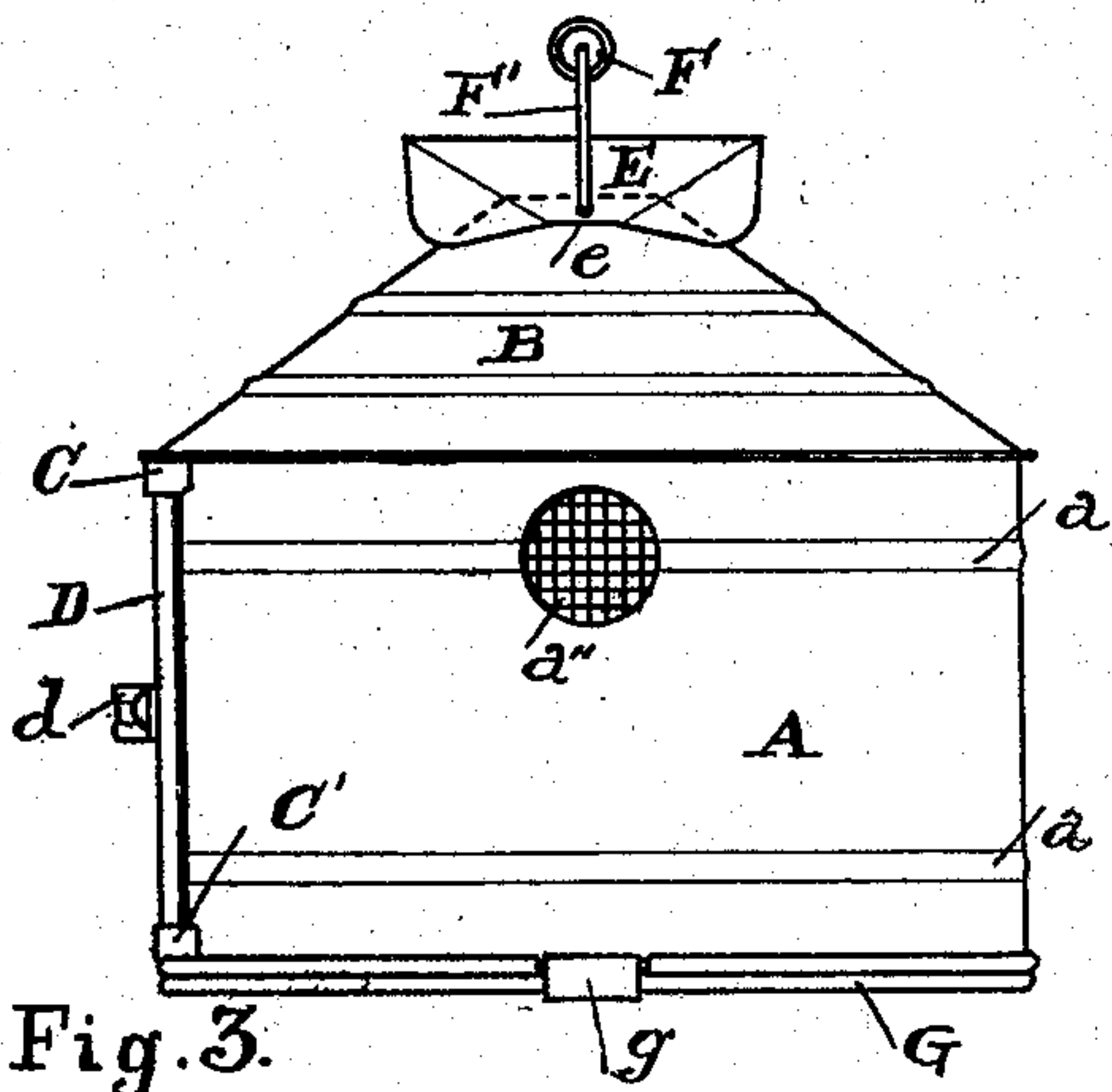


Fig. 3.

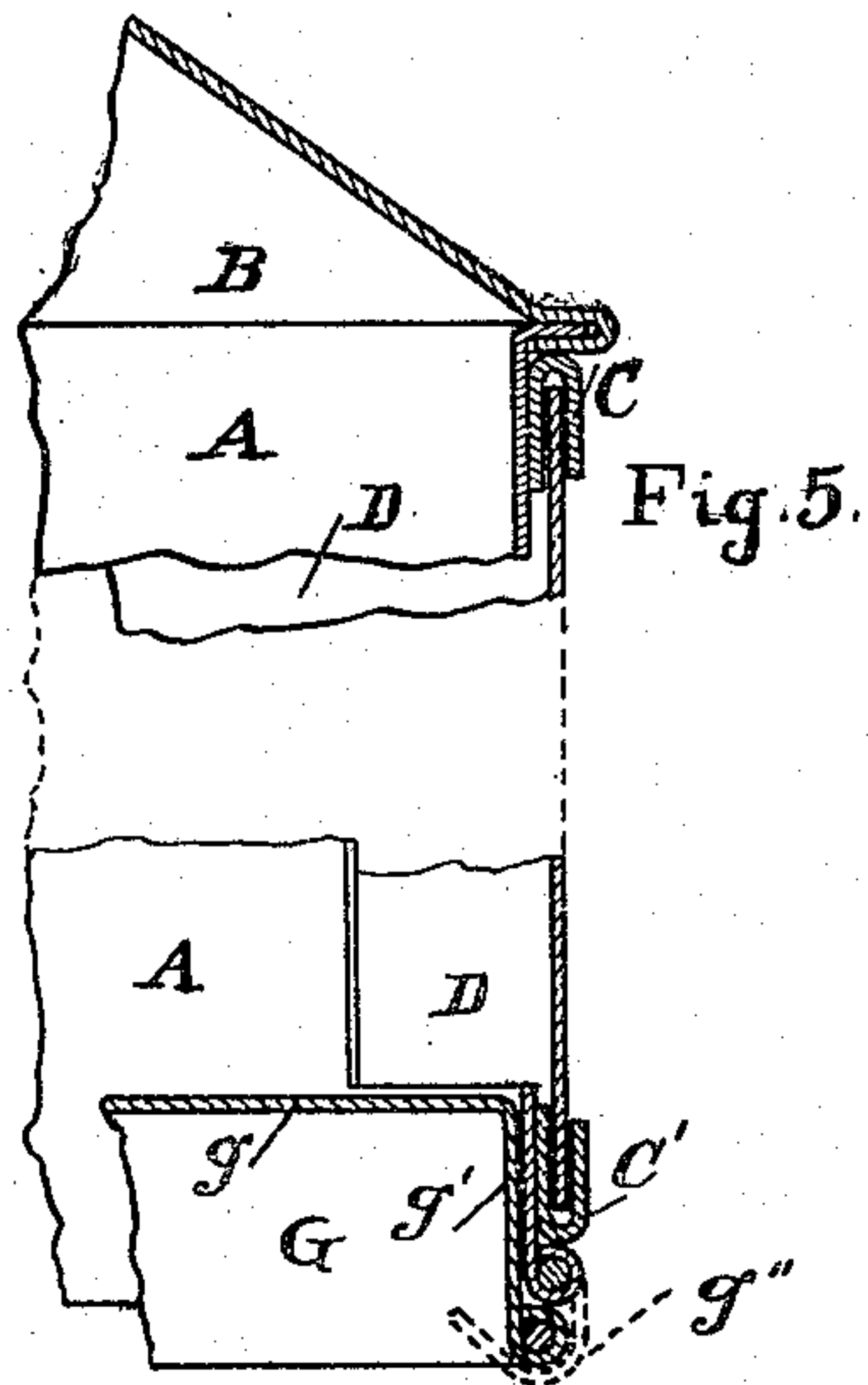


Fig. 5.

Witnesses,
A. D. Du Bois.
M. M. De Camp.

Inventor,
DANIEL M. PRIMM.
By Atty N. Du Bois.

UNITED STATES PATENT OFFICE.

DANIEL M. PRIMM, OF ATHENS, ILLINOIS.

BROOD-COOP.

No. 916,014.

Specification of Letters Patent.

Patented March 23, 1909.

Application filed April 22, 1908. Serial No. 428,689.

To all whom it may concern:

Be it known that I, DANIEL M. PRIMM, a citizen of the United States, residing at Athens, in the county of Menard and State of Illinois, have invented a certain new and useful Brood-Coop, of which the following is such a full, clear, and exact description as will enable others skilled in the art to which it appertains to make and use my said invention.

This invention relates to coops for housing and protecting broods of chicks.

The purposes of the invention are to provide a coop of circular or oval form; free from corners, and provided with a detachable floor, raised above the ground so that the floor will be free from moisture; to provide ventilating openings adapted to admit a sufficient supply of air; to provide means for covering the ventilating openings to exclude rain and snow; to provide a movable door having a ventilating opening and also having an opening suitable for the passage of the chicks but adapted to exclude larger animals; to provide means for detachably connecting the floor with the body of the coop, and in general to provide a brood coop which shall be vermin proof, dry and easily cleanable.

With these ends in view my invention consists in the novel features of construction and combinations of parts shown in the annexed drawing, to which reference is hereby made, and hereinafter particularly described and finally recited in the claims.

Referring to the drawing in which similar reference letters and characters designate like parts in the several views; Figures 1, 2 and 3 are respectively a top plan, a front elevation, and a rear elevation of the coop. Fig. 4 is an enlarged partial vertical section on the line X. X. of Fig. 2; Fig. 5 is an enlarged partial vertical section on the line Y. Y. of Fig. 2, and Fig. 6 is a partial top plan, with the hood removed.

The most suitable material for the coop is galvanized sheet metal, because the metal is impervious to moisture, is of low first cost, does not harbor vermin and may be easily cleaned; any other suitable material may, however, be used without departure from my invention.

Brood coops hitherto have been of angular structure and it is found in practice that in such coops serious injury to the chicks results by reason of the chicks huddling in

the corners of the coop and overcrowding and thereby smothering or otherwise injuring the weaker chicks. The present coop is therefore constructed in circular or oval form, so as to be free from corners in which the chicks may huddle as described.

In the drawings I have illustrated a coop of circular form, but it is obvious that the coop may be of oval form.

The coop comprises a circular shell A, provided with peripheral beads *a*; a door opening *a'* and a screened ventilating opening *a''*. A conical roof B is secured on the shell A and has at its upper end a screened ventilating opening *b*, and in its periphery diametrically opposite holes *b'*. Guide-plates C and C' extend part way around and are secured on the shell A. The door D fits and is slidable between the shell and the guides C and C' and slides on the circular beads *a*. The circular beads present relatively small surfaces in contact with the inner surface of the door, and by reason of this small surface contact the accumulation of dirt on the contacting surfaces is reduced to the minimum and the danger of the sticking of the door by reason of the accumulated dirt is correspondingly reduced. The door D is of such dimensions that when the door is closed it will completely cover the door opening *a'*. A handle *d* secured on the door facilitates the sliding of the door. The door also has a major opening, *d''* for light and ventilation and protected by a screen *d³*, and a minor opening *d'* adapted to permit the passage of the chicks but excluding larger animals. A hood E fits over the roof B and serves to prevent rain and snow from entering through the opening *b* into the coop and has holes *e* matching the holes *b'* in the roof B. A handle F is mounted on a bail F' of springy wire and the ends of the bail project through the holes *e* and *b'* and connect the handle and the hood with the roof in such manner that by springing apart the sides of the bail the hood may be detached from the roof and the handle may be detached from the hood.

Making the handle and hood detachable as described is of practical advantage because the detached handles and hoods of a number of coops may be conveniently packed for shipment, within the shell of one of the coops.

In practice the coops are made of different sizes so that they will nest one within the

other in packing for shipment. The bottom G fits within the shell A and comprises a floor *g* and an integral annular rim *g'*. When the bottom is in place as shown in Fig. 5 the floor is raised above the ground and there is air space below the floor, thereby preventing moisture on the floor. The bottom is easily removable for cleaning. Latches *g''* have a pivotal connection with the shell, and hook under the lower edge of the bottom to secure it so that the coop may be carried by the handle F without danger of the bottom falling out.

In using the coop, if it be desired that the chicks run at large the door will be adjusted so that the chicks may pass in and out through the opening *d'*. If it be desired to keep the chicks within the coop and give them ample light and air, the door will be slid to the left as indicated by the dotted line V, to close the opening *d'* but leave open the larger part of the opening *a'*. In stormy weather or at night, when complete protection of the chicks is necessary the door will be slid to the left to completely close the opening *a'*. In cleaning the coop the door will be slid to the right to completely uncover the opening *a'* and afford free access to the interior of the coop.

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

1. In a brood coop, the combination of a curved main structure having a door opening and peripheral guides, also having peripheral beads projecting from the outer wall of the main structure; and a door conforming to the curvature of the main structure and slidable in said guides and on said beads to cover and uncover the door opening of the main structure.

2. In a brood coop, the combination of a curved main structure having a door opening, peripheral guides and peripheral beads; a door slidable in the guides and on the beads of the main structure and having a major opening and a minor opening; and a screen covering the major opening of said door; said door being slidable to a limited extent, to cover and uncover the minor opening of said door, and slidable to a greater extent to cover and uncover the door opening of said main structure.

3. In a brood coop, the combination of a main structure having an inclined roof, a ventilating opening central to said roof, and diametrically opposite perforations adjacent to said ventilating opening; a hood fitting on the roof of said main structure, over said ventilating opening and having perforations matching the diametrically opposite perforations of said roof; and a bail having springy members extending through the perforations in said hood and the perforations in said roof, to detachably connect said hood with said roof.

4. In a brood coop the combination of a curved main structure having peripheral guides and a door opening; with a door having a minor opening and a screened major opening and slidable in the guides of the main structure to cover the minor opening of said door and leave uncovered the screened major opening thereof.

In witness whereof I have hereunto signed my name at Athens, Menard county, Illinois, this 17th day of April, 1908.

DANIEL M. PRIMM.

Witnesses:

GEORGE S. HUGHES,
JAMES E. FULTON.