

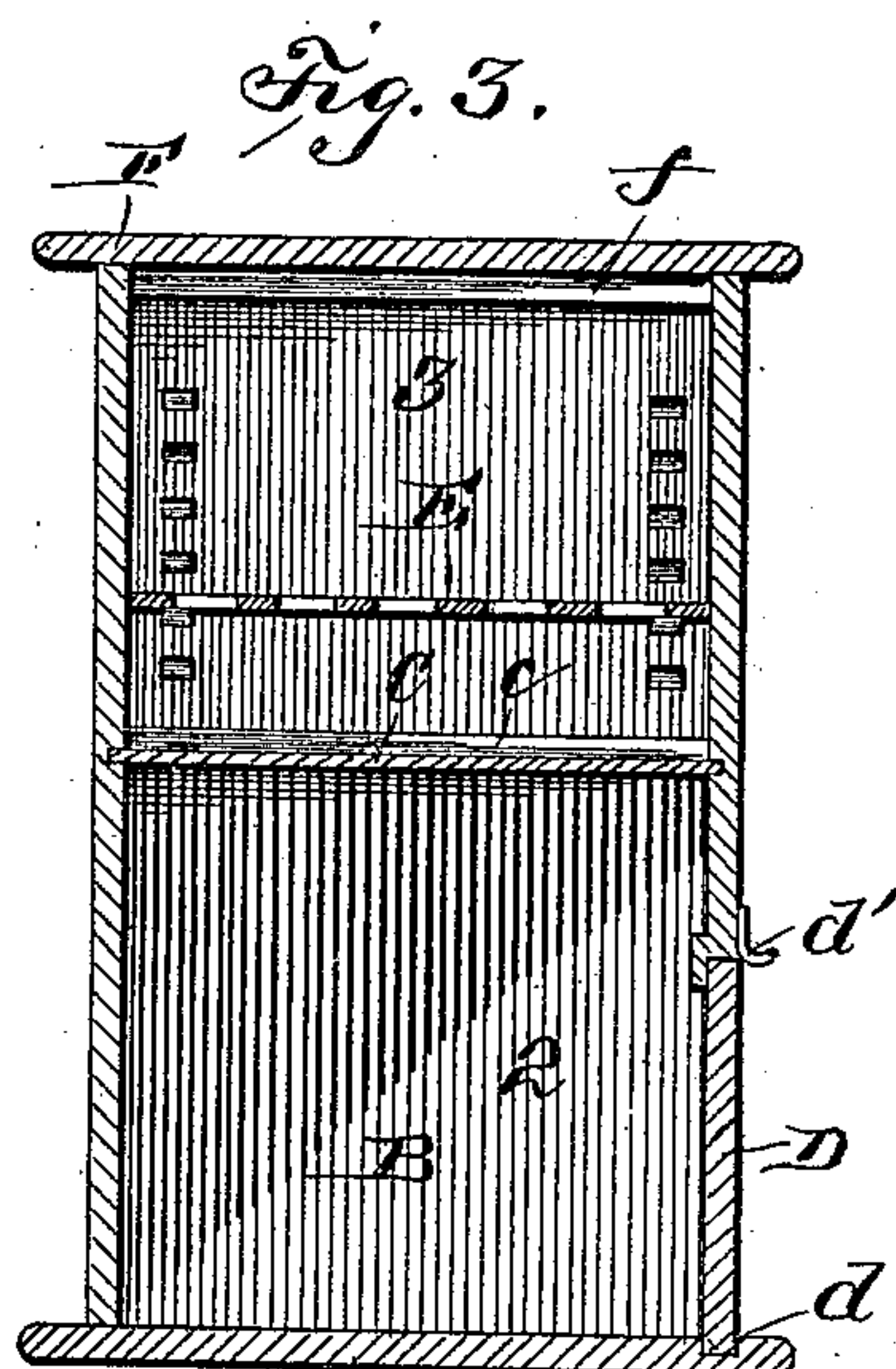
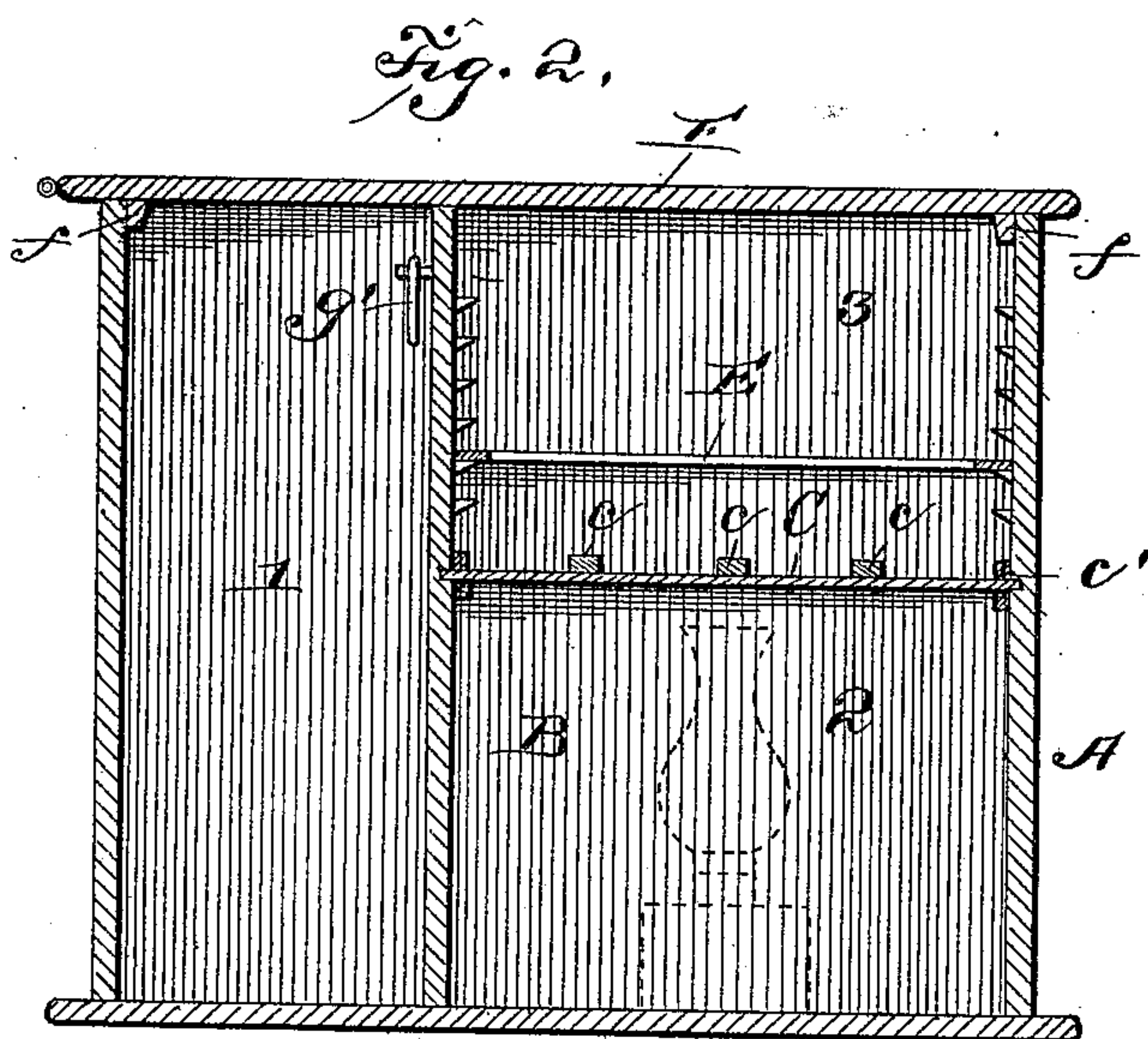
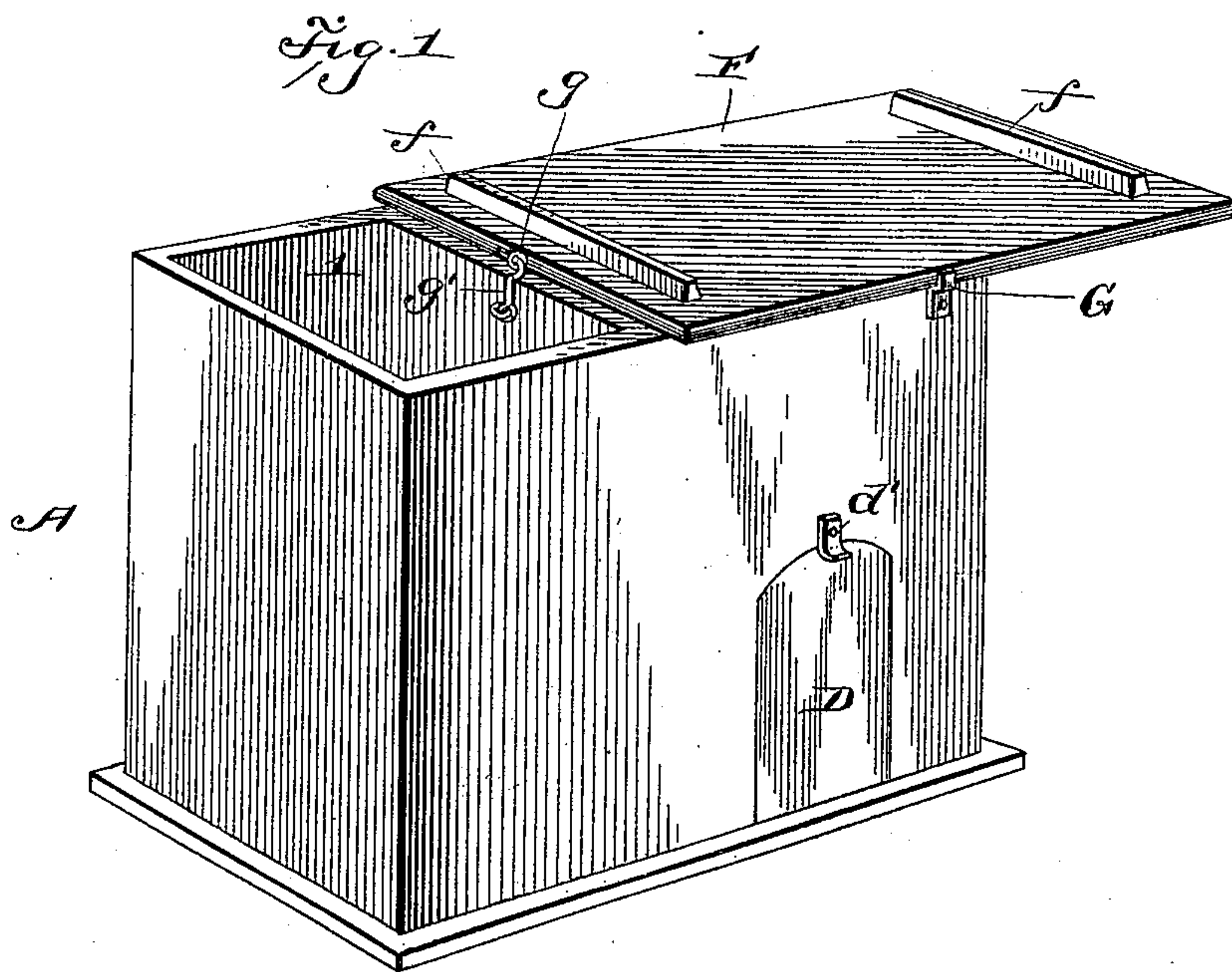
No. 621,395.

Patented Mar. 21, 1899.

A. W. WILLIAMS.
COMBINED KNEADING BOARD AND DOUGH RAISER.

(Application filed May 9, 1898.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

ARTHUR W. WILLIAMS, OF MEADVILLE, PENNSYLVANIA.

COMBINED KNEADING-BOARD AND DOUGH-RAISER.

SPECIFICATION forming part of Letters Patent No. 621,395, dated March 21, 1899.

Application filed May 9, 1898. Serial No. 680,172. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR W. WILLIAMS, a citizen of the United States, residing at Meadville, in the county of Crawford and State of Pennsylvania, have invented certain new and useful Improvements in a Combined Kneading-Board and Dough-Raiser; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improvement in a combined kneading-board and dough-raiser; and its object is to provide a device of a simple, inexpensive, and durable nature, capable of easy manipulation, and effective in operation.

To these ends the invention consists of a casing divided into three compartments, one of which, extending the full height of the said casing, is for the reception of flour and is separated from the other two by a suitable partition. These two chambers are arranged one above the other, the lower or heating chamber being provided with a door of peculiar construction and adapted to receive a lamp or other heating device. The third or raising chamber, which is separated from the lower heating-chamber by a floor of preferably sheet metal, contains an adjustable rack for the support of the bread-pans, &c.

The casing is provided with a cover which extends over the entire top thereof, is capable of being inverted and used as a kneading-board, and is provided with means whereby it may be held securely to, yet moved along the top of, the casing when in either its normal or inverted and adjusted position for use as a kneading-board.

In the accompanying drawings, which illustrate the preferred form of my invention, Figure 1 is a detailed perspective view of the device, showing the cover inverted and withdrawn from the flour-bin. Fig. 2 is a vertical longitudinal section with the cover in normal position. Fig. 3 is a vertical transverse section thereof.

Referring to said figures by letters and numerals of reference, A is the casing, of any suitable material, provided with a vertical transverse partition B, extending the whole height thereof and forming a compartment 1, as

shown. The remainder of the inclosed space is divided into two other compartments 2 and 3 by a horizontal floor or partition C, formed, preferably, of sheet metal and having strips *c* secured thereto along its upper surface to permit the passage of air under any object placed thereon. Said partition is secured to the walls of said compartments, preferably by placing the edges of the same between strips *c'*, fixed to said walls, thus making a substantially air-tight joint. The lower or heating chamber 2 is provided with a door D, which is held in its position by inserting the lower edge thereof in a groove *d*, formed in the base of the casing, and fastening the upper edge by means of a suitable catch or other locking device *d'*, as shown. I prefer this style of door, for the reason that when removed it is not liable to be accidentally closed by the wind or otherwise, as would be the case with a hinged door.

The upper chamber 3 is provided with an adjustable rack E, formed, preferably, of two sets of metal rods secured at right angles to each other and supported upon strips secured upon two opposite walls of the chamber, as shown.

Resting over the top of the casing is a cover F, the under side of which is provided with strengthening-strips *f*, which also serve to fit against the inner edge of the sides and prevent longitudinal or transverse slipping of said cover. When placed in an inverted position, the cover may be used as a kneading-board. As it is unattached to the casing, the board can be moved to any desired position. I prefer, however, to provide means for securing the cover in position, so as to prevent displacement thereof while kneading. In the drawings I have shown one form of attachment, which consists of a lug G, placed at the center of the outer edge of each side and so shaped as to permit the sides of the cover to rest therebetween. The end of said cover is provided with a staple *g*, which is adapted to receive a hook *g'*, pivotally secured to one side of the partition B. It will be obvious that by means of these lugs and the hook and staple the cover will be held rigidly when in use as a kneading-board.

In use the compartment 1 serves as a flour-receptacle, compartment 2 as the heating-

chamber, and compartment 3 is the heated or raising chamber. The cover F is removed from between lugs G and inverted and replaced therebetween, and, if desired, is secured
5 to the casing by means of the hook *g'* and staple *g*, thereby exposing the flour-receptacle and permitting ready access thereto by the operator. The dough can then be kneaded upon the board without displacing the same.
10 When the dough is ready for raising, the cover is removed, the pan containing the dough is placed on the rack, and the cover returned to its normal position upon the casing. Door D is then unfastened and removed
15 and a lamp or other heating device placed within the chamber 2. Said door is left open to admit a free supply of air to the flame and to permit the escaping of all products of combustion from the chamber. Partition C, being air-tight, prevents the passage of fumes
20 to the upper chamber and keeps the dough free of deleterious gases, &c.

In the foregoing description I have shown the preferred form of my invention; but I do
25 not limit myself thereto, as I am aware that modifications may be made therein without

departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention. 30

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

The combined kneading-board and dough-raiser, consisting of the casing or receptacle 35 adapted to contain flour, and the like, and to serve as a dough-raising chamber, and the reversible lid or cover having guide-cleats upon one side to fit down into said receptacle or casing, and adapted to fit and slide between 40 offset lateral guides or cleats on said receptacle, said lid or cover, when reversed, being held against joint endwise displacement and lateral displacement by hook-and-eye or staple fastening and by the aforesaid lateral off- 45 set cleats, substantially as set forth.

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

ARTHUR W. WILLIAMS.

Witnesses:

A. G. RICHMOND,
JAMES KEPLER.