(No Model.)

C. VOGT.

FLOUR AND MEAL BIN.

No. 375,966. Patented Jan. 3, 1888.

Fig. 1.

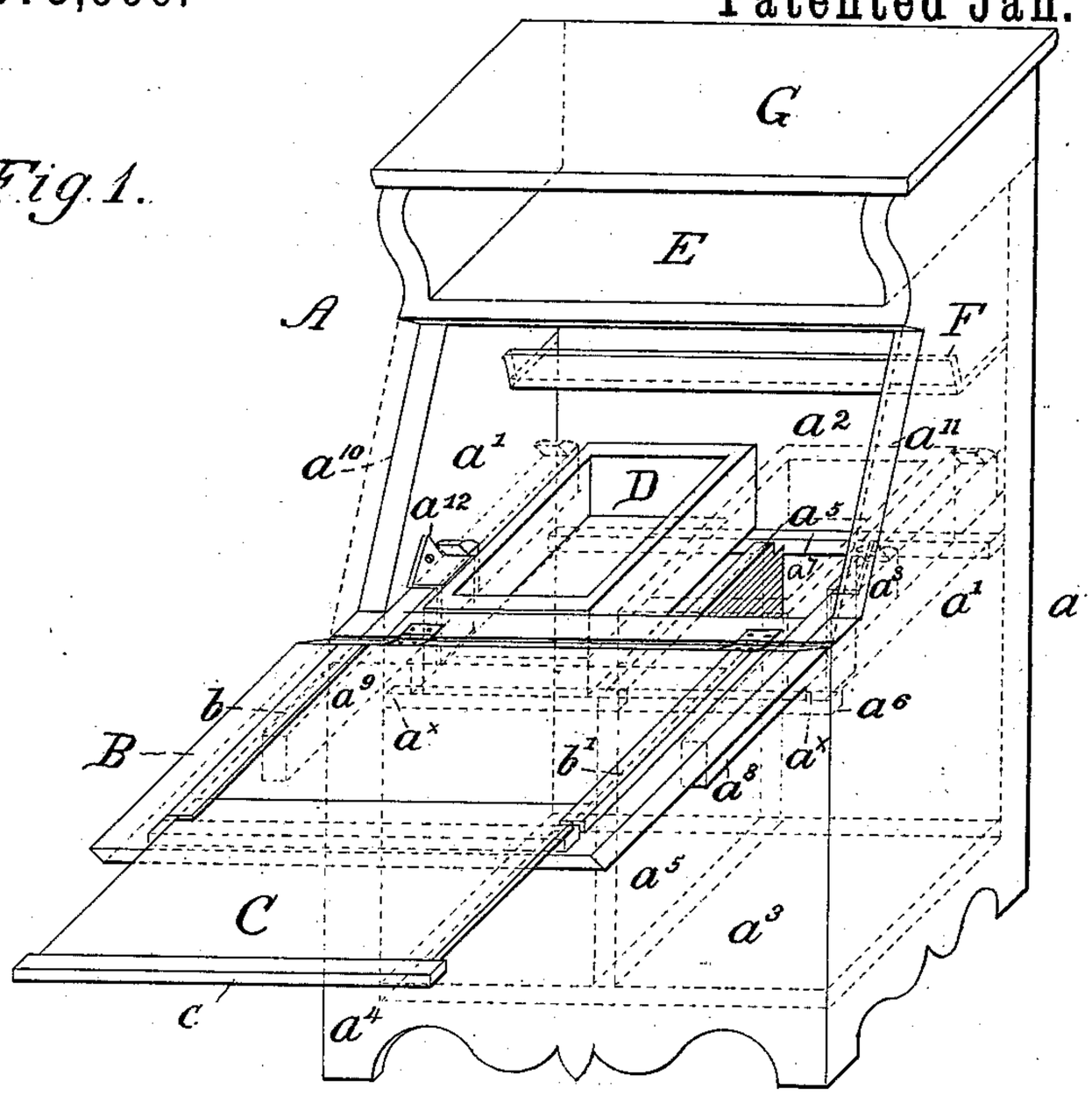


Fig. 2.

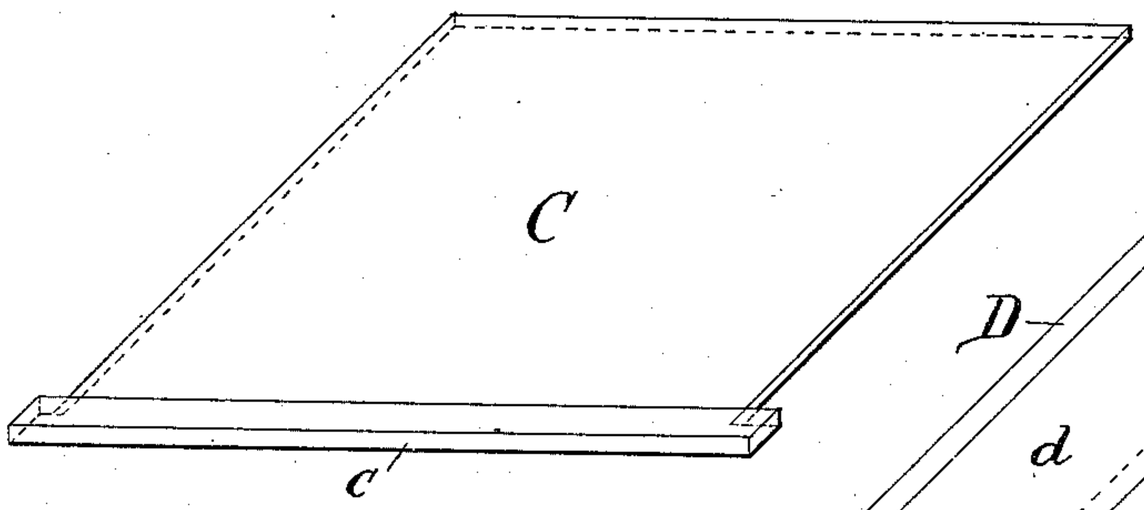
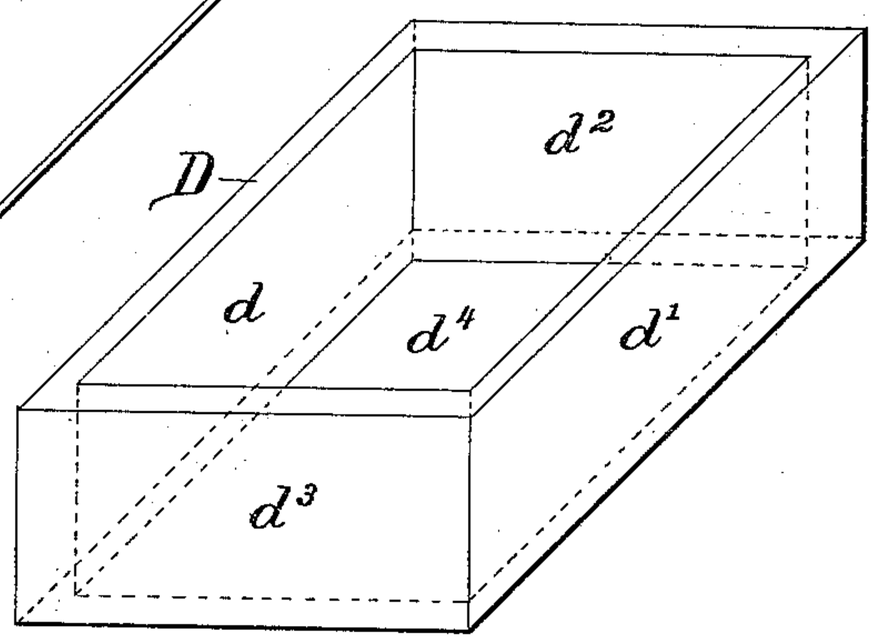


Fig. 3.



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FLOUR AND MEAL BIN.

SPECIFICATION forming part of Letters Patent No. 375,966, dated January 3, 1888.

Application filed July 5, 1887. Serial No. 243,370. (No model.)

To all whom it may concern:

Be it known that I, CHARLES VOGT, a citizen of the United States, residing at Harlem, in the county of Clay and State of Missouri, have invented certain new and useful Improvements in Flour and Meal Bins; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

My invention has for its object to construct separate apartments in a combined flour and meal bin over which a dough-tray may be made movable, so as to cover one of the alternate compartments when the compartment opposite is in use, and afford a convenient means for the mixing of the dough without wasting the flour; and, secondly, to combine with the hinged cover a molding-board in such a manner that the accumulation of flour may be readily removed to the bin therefrom, and the board removably attached to the cover, thereby affording a convenient means for cleaning, and being inclosed away from the dust by the cover when not in use; and it consists in the novel combination and arrangement of parts, hereinafter fully described, and specifically pointed out in the claims.

In the drawings, Figure 1 is a view in perspective of the improved flour and meal bin, showing the cover opened and the arrangement of the novel parts. Fig. 2 is a view of the molding-board detached from the cover. Fig. 3 is a view of the dough-tray.

In the construction of my invention I make an inclosed upright case or bin, A, with sides *a a* and back a^2 extending the requisite height. I then make a bottom, a^3, to the bin, which is arranged transversely within the bin a suitable distance from the floor and made to fit closely against the sides and also the front and back. The front side, a^4, of the bin is made to extend in height about midway of the height of the sides, and to the upper edge of said front side is hinged the cover B. A central partition, a^5, is then made to extend from the front a^4 to the back a^2 in a transverse relation to the bin A, and is placed about an equal distance from the opposite ends and secured to said front and back in any suitable manner. A strip, a^6, is then rigidly fastened upon the inner side and to the front a^4 of the bin, which strip extends from one end, *a*, to an opposite end, *a'*, and is arranged in a horizontal relation a slight distance below the upper edge of the front a^4 of said bin, or a distance corresponding to the depth of the tray D.

Within the bin and to the back a^2 a strip, a^7, is securely attached in the same horizontal relation and an equal height above the bottom a^3 of the said bin. The central transverse partition, a^5, is then made to extend in height an equal distance from the bottom a^3 of the bin to the upper edges of the opposite strips, a^6 a^7, and are rabbeted at opposite ends corresponding to the thickness of the strips a^6 a^7, to permit the upper edge of the portion a^5 to be raised flush with the upper edges of said strips, so that between the ends *a a'* of the bin two compartments are formed in the bin and on opposite sides of the said partition. I then make a sliding dough tray or box, D, open at the top, and with the sides *d d'*, ends d^2 d^3, and bottom d^4, which tray is of a sufficient length to fit between and extend from the front a^4 to the back a^2, and in width to extend from the sliding supports a^8 a^9, hereinafter described, upon one end of the bin to the upper edge of the central transverse partition, a^5, and cover one compartment of said bin and rest upon the strips a^6 a^7, so that the said tray may slide over the central partition, a^5, and cover alternately one of the said compartments.

For the purpose of enabling the cover B of the bin when closed to incline, and thus prevent it from dropping down, and also to afford more room in the use of the dough-tray, the upper portion of the ends *a a'* of the bin from the point of hinging the cover to the front a^4 is made less in width and inclined toward the top E, as at a^{10} a^{11}, the portion of the ends of the bin so contracted being equal in a vertical relation to the width of the cover B, so that when closed the said cover B will extend to the said top E and fit between the upper edge of the front a^4 and said top.

For the purpose of supporting the cover B in a horizontal relation when using the molding-board, I make from suitable material two longitudinal strips, a^8 a^9, which in length extend from the back a^2 of the bin within upon a line horizontal with the upper edge of the

front of the bin through the openings $a^{\times}$ $a^{\times}$ in the front a^{3} of the said bin. The said strips a^{8} a^{9} are held in a horizontal relation against the ends a a' of the bin in the brackets a^{12} a^{13}, which are secured on the inside of the bin and to the opposite ends, a a', by means of screws or nails, and in such a position as to enable the said strips a^{8} a^{9} to slide in said brackets between the dough-tray D and said ends. The brackets a^{12} a^{13} consist of a strip of flat metal, one end of which is bent upwardly and over upon itself, so as to form a loop or opening in which the strips a^{8} a^{9} are fitted to slide freely. The said brackets a^{12} a^{13} are then placed on the inside of the bin with the loops in a line horizontally with the openings $a^{\times}$ $a^{\times}$ in the front of the bin, and so far back from said openings as to offset the weight of the cover when said cover is resting on the strips a^{8} a^{9}, said brackets being attached at their upper ends to the inside of the bin by screws or nails, as aforesaid. I then make a molding-board, C, of a size proportionately less than that of the cover B, and extending across one end and slightly projecting beyond the same a cross-bar, c, is attached in any suitable manner.

Upon the upper side of the cover B, which is inclosed in the bin A, I attach two opposite rabbeted guide-strips, b b', which extend toward the bin and are placed so far apart on the cover that the molding-board C may slide between them and be held thereby to the said cover, the molding-board being made of such a width as to permit the closing of the cover without interfering with the sides of the bin, and the guide-strips shortened toward the upper end of the cover to permit the cross-bar c, which forms a handle to withdraw the board, to fall a suitable distance upon the end of the said strips and clear the top of the bin when the cover is closed, and also limit the play in said guide strips toward the hinging-point of said cover with the front of the bin.

Above the dough-tray D, and extending the length of the bin and attached to the back and ends, is placed the shelf F, upon which the articles in common use to mix the flour may be placed, and a shelf, G, upon raised ends is attached to the top of the bin above the top E.

To enable the bin to be more easily reached the cover B, which when lowered forms a table, may be dropped down against the front of the bin, the sliding supports a^{8} a^{9} having been pushed within the bin for that purpose.

My invention affords a convenient article of household furniture wherein all the necessary means for mixing the flour are placed in such relation that time is saved in the operation, and when not in use is at once inclosed from dust, and without liability of scattering the flour. In the mixing of the flour, should the excess of flour and meal fall upon the edge of the portion a^{5}, it is thrown back into an appropriate bin as the dough-tray is successively moved in opposite directions, and each compartment is opened at the proper time. The guide-strips b b', which extend above the plane of the molding-board C, retain the flour from dropping upon the floor on either side of the cover or table.

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

1. A bin having its hinged cover provided with rabbeted guide-strips extending a suitable distance across said cover and a reversible sliding dough-board therein provided with a cross-bar at one end adapted to be extended beyond and recede within the limits of the cover, as shown and described.

2. A case or bin consisting of a lower portion having opposite compartments and a central transverse partition therein and an upper portion having a suitable top and ends, and a receding open front side, a sliding tray adapted to cover each compartment alternately, a cover hinged to the lower portion of said bin, provided with rabbeted guide-strips extending a suitable distance across said cover, sliding brackets on said bin beneath said cover, and a dough-board provided with a cross-bar at one end adapted to be extended beyond and recede within the limits of said cover, as described.

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Witnesses:
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