

UNITED STATES PATENT OFFICE.

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COMBINED FLOUR BIN AND SIFTER.

SPECIFICATION forming part of Letters Patent No. 226,441, dated April 13, 1880.

Application filed March 4, 1880. (Model.)

To all whom it may concern:

Be it known that I, JOHN M. CLARK, of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Combined Flour Bin and Sifter; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an improvement in combined flour-bins, sifters, and tables; and my improved device consists, essentially, of a bin or chest with a removable and reversible lid or cover, a perforate bottom and sifter, whereby the contained flour can be sifted in any quantity desired into a subjacent drawer, and a still further removable bottom beneath the drawer to catch and retain any flour that may fall when the drawer is removed.

Upon the sides of the chest are hinged wings which, when raised, form tables or shelves upon which to set any article, as the bread-pan, for instance.

The novelty consists in the construction and combination of the parts, as will be herewith set forth and specifically claimed.

In the accompanying drawings, Figure 1 is a front elevation of my improved bin-sifter, with portions broken away to show the interior. Fig. 2 is a plan view of the same. Fig. 3 is a detached view of the sifter attachment.

A represents the bin, which is any rectangular or other shaped box, having a lid, B, fitted to it, as shown. This lid is reversible, and its under side forms a kneading-board upon which to work the dough.

Upon each side of the bin, at or near its top, is hinged a leaf, C, which, when raised, can be supported by a bracket-arm, a, pivoted to the side of the bin, as indicated in Fig. 1.

The bottom D of the bin or flour-receptacle has a central circular opening, E, through it, which is covered from below with wire-gauze to form a screen. Just under this bottom D is fitted a drawer, F, opening upon one side of the bin, and just below the drawer is fitted a removable bottom or shelf, G, with raised sides to catch and retain any flour that may fall when the drawer F is removed.

The sifting attachment consists of a frame, I, constructed as shown, and fitted upon guides b attached to the inner side of the chest, so as to slide thereon and be capable of removal when desired. Passing vertically through the horizontal portions of this frame I is a metal rod or shaft, J, having its upper end formed into a crank, as shown.

Detachably fastened to the lower end of the rod or shaft J is a metal clamp or socket-piece, f, of the shape shown, having a dovetailed groove in its lower portion, into which the brush L is slipped and is held. This brush, of the shape shown, has pendent bristles, which rest upon the screen, and to hold it in place the rod J, after passing through the socket-piece, is inserted into the top of the brush, thus preventing the latter from slipping laterally. A pin, g, through the socket and rod completes the lock.

Upon one end of the brush is a pendent pin, j, so located that as the brush is turned it revolves close to the edge of the circular opening and prevents the flour from accumulating in the corners. A further extension, k, of the brush projects over and beyond the circular opening and acts as a stirrer to prevent the flour from packing.

The size of the bin may be regulated to suit various uses. For ordinary families it might be made to hold a barrel of flour, and when any should be needed it would only be necessary to remove the lid and revolve the brush, when the quantity desired would be sifted into the drawer below. It could then be removed, and after being mixed the dough could be kneaded upon the reversed lid.

I thus produce a very useful and desirable article of kitchen-furniture, which could be made as ornamental as desired, and which is capable of being taken apart at any time to cleanse its parts.

Having thus fully described my invention, I claim—

1. In a flour-bin, the removable and detachable sifting-brush, consisting of the frame I, sliding upon guides, the crank-shaft J, the brush L, with extension k and pin j, and the socket-piece f, the whole constructed as de-

scribed, and designed to operate in a circular opening over a screen.

2. The herein-described flour bin and sifter, consisting of the meal-receptacle with a screening-bottom, a contained sifting-brush, a reversible combined lid and kneading-board, a receiving-drawer, a subjacent removable bottom, and hinged leaves to form lateral shelves,

the whole constructed and arranged in the manner shown, and for the purpose specified. 10

In testimony whereof I have hereunto set my hand.

JOHN M. CLARK.

Witnesses:

E. H. TAYLOR,
CHAS. M. PECK.