

(No Model.)

E. T. HUNTER.

BIN.

No. 379,166.

Patented Mar. 6, 1888.

Fig. 1.

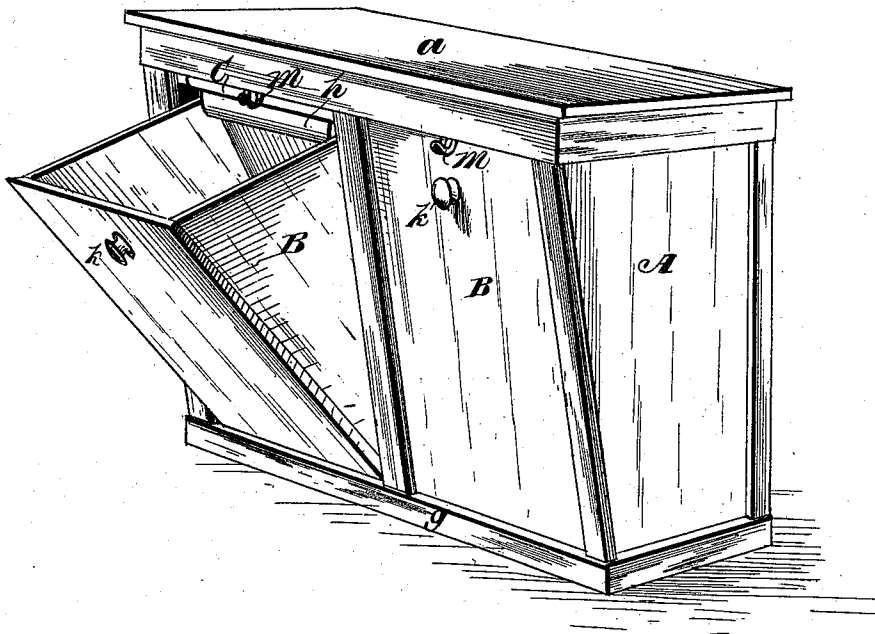


Fig. 2.

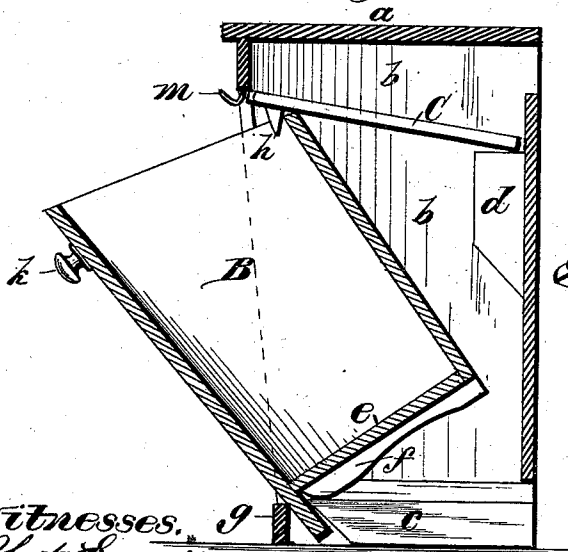
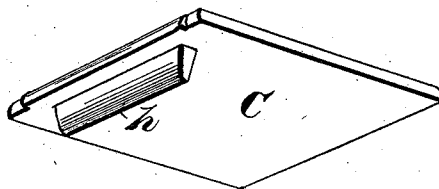


Fig. 3.



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UNITED STATES PATENT OFFICE.

EDWARD T. HUNTER, OF MCGREGOR, TEXAS.

BIN.

SPECIFICATION forming part of Letters Patent No. 379,166, dated March 6, 1888.

Application filed August 2, 1887. Serial No. 245,966. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. HUNTER, a citizen of the United States, residing at McGregor, in the county of McLennan and State of Texas, have invented new and useful Improvements in Bins for Flour, Meal, &c., of which the following is a specification.

This invention relates to an improved tilting bin for containing flour, meal, sugar, and other materials, and adapted for use in stores or dwellings, either in connection with a counter, closet, or other suitable casing, as herein-after set forth.

In the annexed drawings, illustrating the invention, Figure 1 is a perspective view of a closet or casing provided with my improved bins, one of which is shown open or tilted outward to give access to the interior. Fig. 2 is a vertical section of the same from front to rear through the opened bin. Fig. 3 is a perspective view of a loose bin-cover provided with a stop to limit the forward movement of the tilting bin.

Referring to the drawings, the letter A designates a closet or casing of suitable height and having a flat top, *a*, adapted for use as a store-counter or as a work-table for kitchen purposes or otherwise. This casing is preferably so made as to be of greater width at top than at the bottom for convenience in standing near it. In length the casing may be of sufficient capacity to accommodate one or more bins, B, of convenient size for containing flour, meal, sugar, or other articles in bulk, and if two or more bins are provided the casing will be made with a suitable number of partitions, *b*, to separate the bins from each other.

In the bottom of the casing A are bearing-rails *c*, on which the tilting bins B are supported, and in the upper rear part of the casing are blocks or shoulders *d* for supporting the rear edge of a loose bin-cover, C, when the bin is tilted forward.

The sides of each bin B are extended down below its bottom *e* to form rockers *f*, which rest on the bearing-rails *c*, said rockers being suitably curved to enable the bin to be tilted forward and back with ease. The front of the bin is also extended down below its bottom and fits in behind a horizontal strip, *g*, at the lower front edge of the casing to make a close and neat finish whether the bin is opened or

closed. In order to allow a backward movement of the downward-extending portion of the bin-front when the bin is tipped forward, the front ends of the bearing-rails *c* are beveled backward, as shown, thus furnishing a firm support for the opened bin and preventing any bind in its movement to that position.

To render the front of the bin dust-proof and prevent its binding when closed, the vertical side edges of the bin may be beveled or flared, as shown. The top of the bin should also be sloped backward, as shown, to facilitate its inward and outward movements.

When the bin is in an upright position, its top is closed by a loose automatic cover, C, the rear edge of which drops onto a bearing formed, as here shown, by the blocks or shoulders *d* as the bin is tipped forward. Across the under side of the loose cover C, near its front edge, is a cleat or stop, *h*, which fits within the top of the bin. This cleat is adapted to engage the back of the open bin, thus forming a stop to limit the forward movements of the bin, and at the same time serves as a connection between the bin and cover to prevent the displacement of the latter, so that as the bin is moved backward within the casing the cover will automatically resume its normal position on top of the bin, and thereby exclude dust and insects.

It will be seen that as the loose cover C is somewhat wider than the opening in the front of the casing through which the bin passes, there will be no liability of withdrawing the cover with the bin when the latter is tipped forward, but it will always remain in the casing in position to engage the bin.

Although the cover C is loosely connected with the bin, as described, it is so made as to rest firmly and closely thereon, and thus afford a reliable means of excluding insects and dust.

Each bin may be provided with a handle, *k*, by which it can be moved, and a latch, catch, or other fastening, *m*, to secure it in a closed position.

The operation and advantages of my improved tilting bin and automatic cover will be readily understood from the foregoing description, and need not be further explained.

What I claim as my invention is—

1. The combination of a casing, a tilting bin therein, a bearing at the rear of the casing,

and an automatic cover for the top of the bin adapted to rest loosely at its rear edge on the bearing, and having adjacent to its front edge a projecting stop for engaging the back of the bin to limit its forward tilting movement when opened, substantially as described.

2. The combination of a casing having bearing blocks or shoulders *d*, a tilting bin located in said casing and provided with a sloping top, and an automatic cover, *C*, placed loosely in the casing above the shoulders *d* and provided

on the under side, near its front edge, with a cleat, *h*, fitting within the upper part of the bin, whereby said cover is adapted to close the upright bin and limit its forward movement when opened, substantially as described.

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

EDWARD T. HUNTER.

Witnesses:

W. W. HALL,

J. H. HALL.