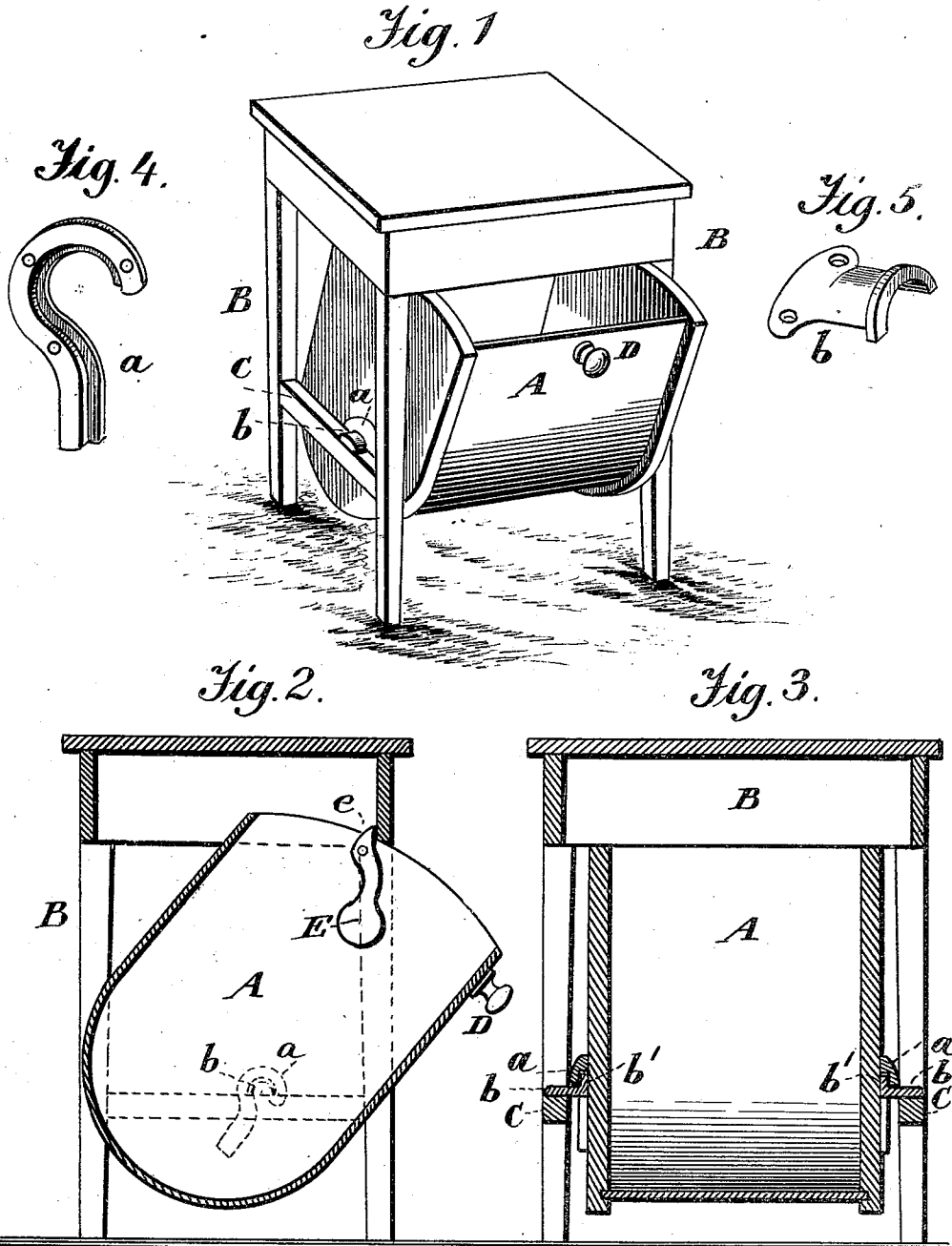


(No Model.)

C. H. WILLITS.
CHEST HANGING.

No. 512,420.

Patented Jan. 9, 1894.



Witnesses.
A. Ruppert.
Saml H. Lewis

Inventor.
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UNITED STATES PATENT OFFICE.

CLINTON HOMER WILLITS, OF MUSCATINE, IOWA.

CHEST-HANGING.

SPECIFICATION forming part of Letters Patent No. 512,420, dated January 9, 1894.

Application filed February 18, 1893. Serial No. 462,864. (No model.)

To all whom it may concern.

Be it known that I, CLINTON HOMER WILLITS, a citizen of the United States, residing at Muscatine, in the county of Muscatine and State of Iowa, have invented certain new and useful Improvements in Chest-Hangings; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of the invention is to hang a flour, sugar or coffee chest in a kitchen cabinet or under the shelf or counter of a retail store in such a manner that gravity will hold it open or closed as hereinafter described.

Figure 1 of the drawings is a perspective view of my chest hung under a table to illustrate its operation and use; Fig. 2 a vertical section from front to back; and Fig. 3 a transverse vertical section. Fig. 4 is a detail view of one of the bearings, and Fig. 5 a similar view of one of the pivots.

In the drawings, A represents the chest and B the support, the counter, shelf or top protecting the contents from dust. The chest is ordinarily entirely covered at the top and hung beneath on opposite pivots *b b* having end-heads *b' b'*. These pivots may be attached as shown in the drawings to correspondingly placed rounds C C.

On the sides of the chest, I arrange the bearings *aa* undercut to slide down over the heads *b'* of the pivots. These bearings are not arranged on the center of each side but eccentric thereto, the shortest radius being in front and the longest to the rear of the pivots. The effect of this is to have a preponderance of

weight on the rear of pivots when the chest is sitting upright so that the chest may be held by gravity in that position. The bearing *a* being flanged to lap over the side of the head of the pivot *b*, the bin and its frame are held securely together, while the chest can be easily hung on its pivots or removed therefrom. When the chest is to be entered or taken out of the frame, the weighted end of the detent E is held toward the back of the chest. On the other hand, when the knob B is pulled, the upper part of the chest comes forward with the open top until the automatic check E will allow it to go no farther, when the preponderance of weight will be in front of the pivots and gravity will hold the chest open. The check E is a fulcrumed lever weighted at one end so as to throw up the detent end *e* which prevents the chest from moving too far forward.

By using an end-weighted lever E, instead of a fixed stop on the upper edge of the chest, I can simply raise the weight and take the chest out so that it may be cleaned, repaired or replaced.

What I claim as new, and desire to protect by Letters Patent, is—

The combination with a swinging bin A and its supporting frame, of grooved, undercut or flanged bearings *aa* attached eccentrically to the sides of chest or bin and headed pivots *b b'* attached to the frame as shown and described, for the purpose set forth.

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

CLINTON HOMER WILLITS.

Witnesses:

CHARLES C. BRAUNWARTH,
CHARLES A. FISCH.