(Model.)

A. M. HERMAN.

TILTING BARREL OR BIN.

No. 281,506. Patented July 17, 1883.

Fig: 1.

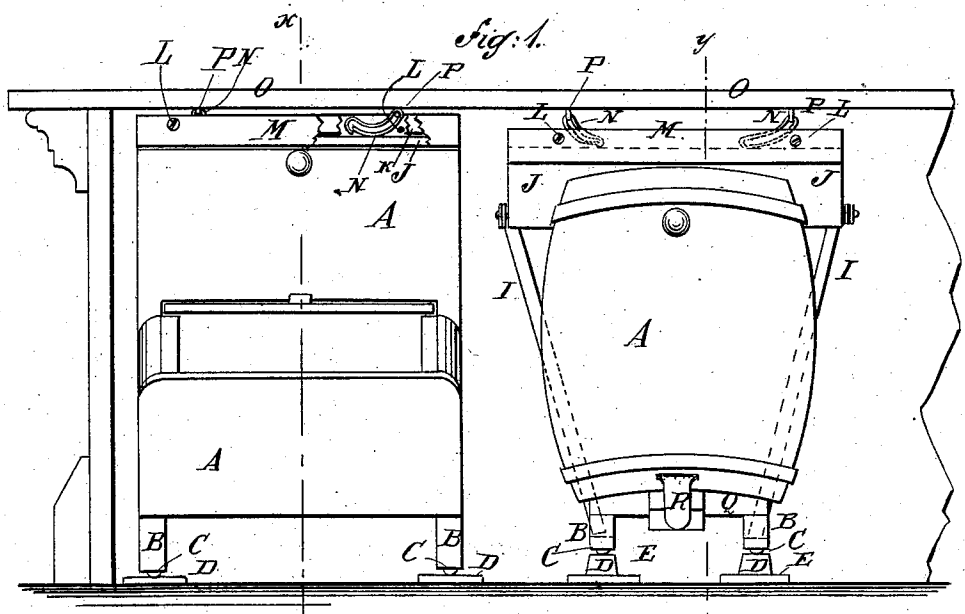


Fig: 2.

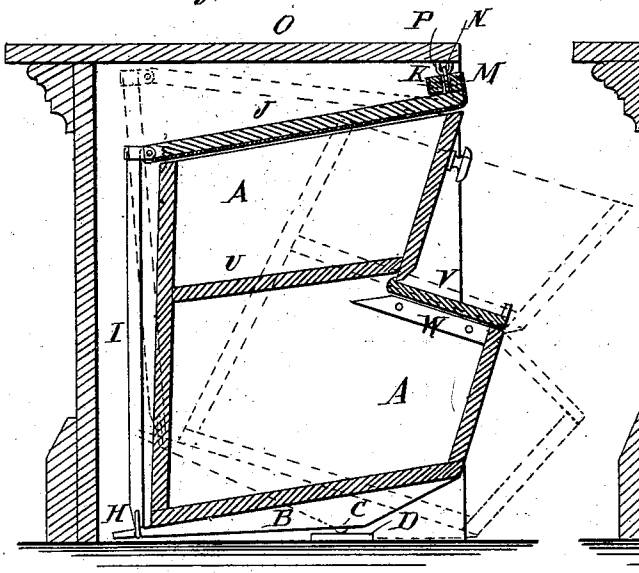


Fig: 3.

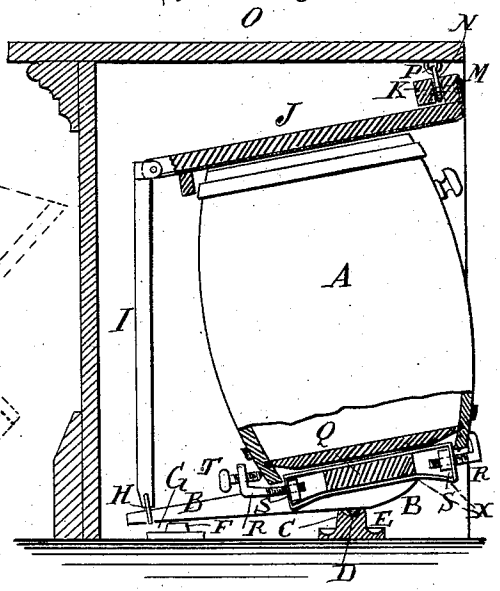
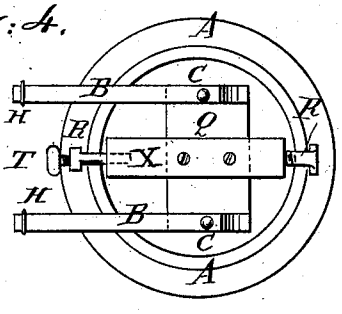


Fig: 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ADDISON M. HERMAN, OF NEWTONIA, MISSOURI, ASSIGNOR TO HIMSELF AND JOHN P. HART, JR., OF SAME PLACE.

TILTING BARREL OR BIN.

SPECIFICATION forming part of Letters Patent No. 281,506, dated July 17, 1883.

Application filed April 21, 1883. (Model.)

To all whom it may concern:

Be it known that I, ADDISON M. HERMAN, of Newtonia, in the county of Newton and State of Missouri, have invented a new and useful Improvement in Tilting Barrels or Bins, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my improvement. Fig. 2 is a sectional side elevation of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a sectional side elevation of the same, taken through the line *y y*, Fig. 1. Fig. 4 is a bottom view of the mechanism shown as applied to a barrel.

The object of this invention is to promote convenience in the use of barrels and bins in groceries and other places, and promote security in protecting the contents of the said barrels and bins against insects and dust.

A represents a barrel, box, or bin to which my improvement has been applied.

To the bottom of the barrel or bin A are attached two bars, B, to the lower sides of which, at a little distance from their outer ends, are attached pivots C, which rest in sockets D, attached to the floor or platform that supports the said barrel or bin. The sockets D are made with annular recesses E upon their bases, to receive a liquid to prevent ants and other crawling insects from passing from the floor to the said barrel or bin. For the same reason, the rear parts of the bars B rest upon supports F, which have annular recesses G upon their bases. The lower sides of the bars B are beveled from the pivots C toward each end, to allow the barrels or boxes to be tilted forward and back.

To the rear ends of the bars B are hinged, by link H or other suitable means, the lower ends of two bars, I, the upper ends of which are hinged to the rear corners of the cover J.

To the upper side of the cover J, near its forward edge, is attached a cleat, K, against the forward side of which is secured by screws L a corresponding cleat, M.

Between the cleats K M are clamped the lower parts of curved links N, the upper ends of which are hinged to the lower side of a counter, O, or other support, by staples P or other suitable means, so that the links N can be readily adjusted by loosening the screws L to adapt the cover J to barrels or bins of different heights. With this construction, as the barrel or bin A is tilted forward, the upper movement of the rear ends of the bars B raises and supports the cover J, and thus uncovers the top of the said barrel or bin. As the barrel or bin is tilted back the cover J is lowered upon it automatically.

The bars B may be attached to the bottom of the receptacle A, as shown in Fig. 2, and this arrangement is preferable when the said receptacle is made in the form of a box or bin; but when a barrel is used I prefer to attach the said bars detachably. In this case the forward ends of the bars B are attached to a block, Q, of such a size as to pass in between the chines of different-sized barrels and rest against the bottoms of the said barrels.

To the block Q, or to bands or arms X, attached to the said block, are secured hook-bolts or clamps R, which have screw-threads upon their shanks to receive the nuts S, by which they are secured in place, and which allow the said clamps to be adjusted to receive barrels of different sizes. The jaws of the clamps R overlap the outer side of the lower end of the barrel, and one of the said jaws is provided with teeth, as shown in Fig. 1, to engage with the side of the said barrel. The jaw of the other clamp is provided with a set-screw, T, to rest against the side of the barrel, so that the said barrel can be released by loosening the said screw. With this construction the barrel can be readily detached and replaced by another one.

When the receptacle A is made in the form of a bin, I prefer to divide it into two compartments by a partition, U, parallel with the bottom of the said bin, or nearly so. In this case the fronts of the compartments are inclined, as shown in Fig. 2, to form a space between the lower edge of the upper front and the upper edge of the lower front, to serve as a mouth to the lower compartment of the bin, which space or mouth is closed by a cover, V. The cover V is inclined downward and rests upon cleats W, attached to the sides of the

said compartment. The upper ends of the cleats W are beveled, and sufficient space is left between the said beveled ends and the bottom of the upper compartment, so that the said cover can be pushed in beneath the said bottom to give convenient access to the interior of the said compartment.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A tilting barrel or bin constructed substantially as herein shown and described, and consisting of the receptacle A, having at its bottom bars B, provided with pivots C, the supporting-socket D, the connecting-bars I, and the hinged cover J, as set forth.

2. In a tilting barrel or bin, the combination, with the cover J and counter O, of the clamping-cleats K M, the curved links N, and the staples P, substantially as herein shown and described, whereby the said cover can be adjusted to a higher or lower receptacle, as set forth.

ADDISON MORITZ HERMAN.

Witnesses:
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W. N. PROCTOR.