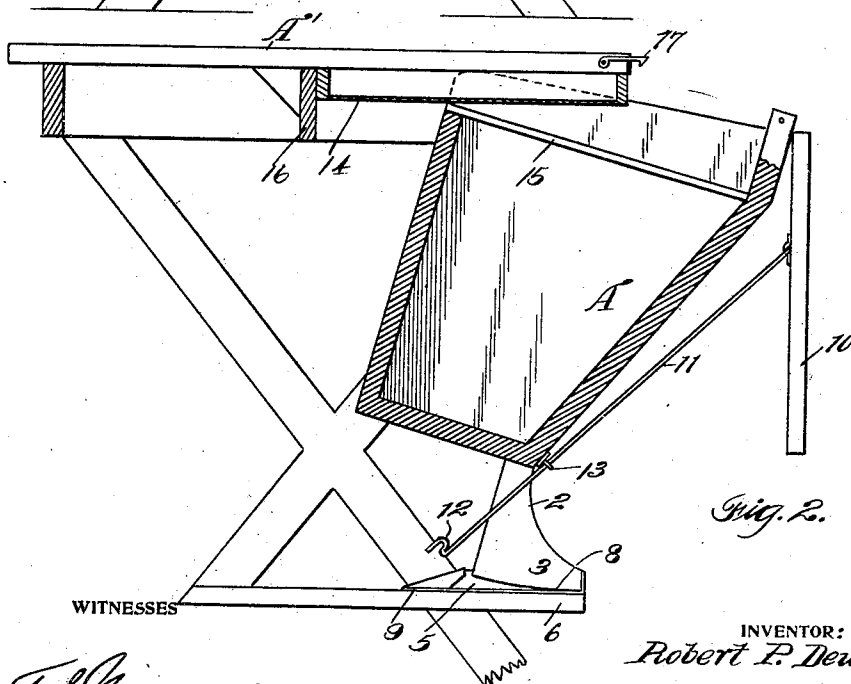
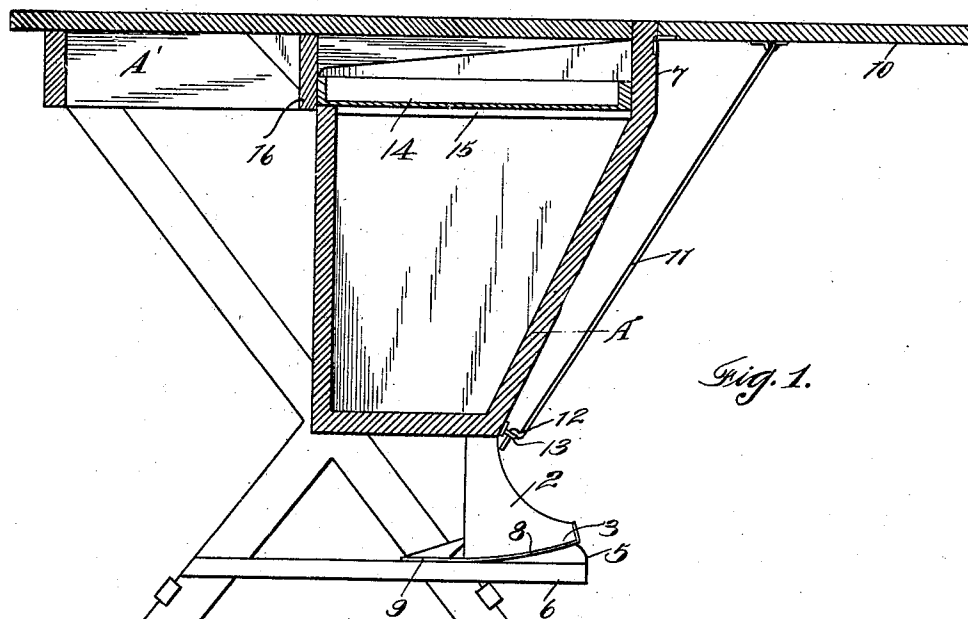


No. 888,966.

PATENTED MAY 26, 1908.

R. P. DEWEY.
KITCHEN CABINET.
APPLICATION FILED AUG. 15, 1907.



WITNESSES

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ROBERT P. DEWEY, OF SAN FRANCISCO, CALIFORNIA.

KITCHEN-CABINET.

No. 888,966.

Specification of Letters Patent.

Patented May 26, 1908.

Application filed August 15, 1907. Serial No. 388,656.

To all whom it may concern:

Be it known that I, ROBERT P. DEWEY, citizen of United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Kitchen-Cabinets, of which the following is a specification.

My invention relates to kitchen cabinets. Its object is to provide a simple, cheap, easily operated, novel and practical cabinet for holding flour and other cereals, as well as dishes, utensils, and other things.

The invention consists of the parts and the construction and combination of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a transverse vertical sectional view. Fig. 2 is a similar view, showing the bin in tilted position.

A represents a bin of suitable size, shape and material. It will be understood that there may be any number of these bins in the same cabinet. This bin is supported on the legs or downward projections 2, which have the curved bearing surfaces or feet 3; the curves being preferably formed each on the arc of a true circle struck from some suitable point, so that when the bin is filled, or partly filled, it will tend automatically to tilt on the rockers 3 and close the bin.

The bin is here shown in conjunction with a table A'; but manifestly it could be set into a wall or used in other environments without changing the principle, or mode of operation.

The bearing surfaces or rockers 3 of the legs or projections 2 are adapted to run in suitable guides 5 formed on or in the brackets 6 of the table; and the bin is adapted to be moved bodily out from, or in under, the table, according as it is rocked on its rockers 3.

The rockers 3 and their guides 5 constitute essential features of the present invention.

The legs 2 may be of any suitable length in order to raise the bin sufficiently above the rockers to produce the desired result in the most efficient manner.

The bin is preferably made with a vertical back and a downwardly and inwardly sloping front, and the rockers are disposed near enough to the front of the bin to cause the latter, when filled, or partly filled, to tend normally to tilt backwards, so as to close under the table. A suitable stop is provided to prevent the bin tilting outward too far

when opened, and also to prevent its moving inward too far when closed.

In the preferred arrangement for use as a kitchen cabinet and a table, as A', the underneath side of the table top will form a stop to intercept the back of the bin when the latter is tilted forward, as shown in Fig. 2; the front of the bin is provided with a cross-bar 7 which extends slightly above the bin, so that when the latter is closed the bar 7 will engage the front edge of the table, and be flush with the top thereof.

With the bin in half-open position, it can be entirely removed from the table, or other containing cabinet. However, when the bin has once been placed in position, the rockers may be prevented from working outward in their guides 5 by any suitable means, as, for instance, the metal straps 8, which have one end secured to the rockers and the other to a fixed part of the brackets 6, as indicated at 9. The rockers may rest directly on these straps, and rock back and forth on them.

In order to increase the range of usefulness of the invention, I preferably hinge a leaf to the front edge of the bin, in such fashion that the leaf may be folded downward when not in use, or be extended horizontally in continuation of the table-top. Any appropriate means may be employed to maintain the leaf in extended horizontal position, as, for instance, the bar or brace 11, which is hinged to the under side of the leaf, and has a notch or projection 12 to engage a loop 13 on the bin.

If desired, the bin may contain one or more drawers 14 which can be slid back when the bin is open between the rear cut-away top edge of the back of the bin, and the underneath side of the table. This drawer is ordinarily supported on the cleats 15 on the ends of the bin, and the drawer may serve as a closure for the bin, independent of the table-top. The depth of the drawer, which latter may be designed to hold knives, forks, and the like, is such that it can easily be slid back under the table and supported on the back of the bin, whenever access is to be had to the space in the bin beneath the drawer. A suitable stop, as the fixed cross-bar 16, on the under side of the table, may be provided to prevent the drawer being pushed back so far as to fall out. Whenever the bin is closed this stop 16 will push the drawer back into the bin, so as to close the drawer automatically.

As before stated, the size and shape of the bin, and the positioning of the rockers, are such that with the bin filled, or partly filled, it will normally remain closed. At the same time, when the bin is opened out, so that the ends of the bin engage the under side of the table, the center of gravity would be thrown forward of the points of contact of the rockers on their guides 5, so that the bin will remain open. The moment, however, that the bin is tilted, to close it, the center of gravity is transferred to the rear side of the points of contact of the rockers with their guides 5, so that the weight of the bin will complete the closing movement, and also keep the bin closed.

If desired, a latch, as 17, may be added for the purpose of preventing the bin being opened accidentally or otherwise without releasing the latch.

By mounting the bin on rockers, and disposing these rockers at some little distance below the lower edge of the bin, I provide a sort of shifting pivot for the bin and cause the bin, top and bottom, to move out bodily from beneath the table, and thereby give easy access to the interior of the bin.

When the bin is opened it will stay open, and when closed it will stay closed.

The placing of the drawers inside the bin, and the hinging of the leaf 10 to the bin, in conjunction with the table structure, form a compact cabinet of manifest utility and simplicity.

It is possible that various changes may be made in the invention without departing from the principle thereof.

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

1. A kitchen cabinet comprising a table, a tiltable bin beneath the table, a drawer mounted in the bin and forming a closure

therefor independent of the table, means for limiting the inward and outward movement of the bin, and a leaf hingedly connected to and carried by said bin.

2. In a kitchen cabinet, the combination of a table, a tiltable bin beneath the table, and a drawer in the bin and forming a closure therefor independent of the table.

3. In a kitchen cabinet, the combination of a table having bracket extensions, spaced guides on said extensions, a bin beneath the table, a drawer in the bin and forming a closure therefor independent of the table, rockers on the bin and operable on the extensions between said guides, and means for limiting the inward and outward movement of the bin.

4. In a kitchen cabinet, the combination of a table having bracket extensions, a bin beneath the table and mounted on rockers working in guides on said brackets, and a leaf hingedly connected to and carried by the bin, with means for holding the leaf in extended operative position.

5. In a kitchen cabinet, the combination of a table having bracket extensions, a bin beneath the table and mounted on rockers working in guides on said brackets, and a drawer in and forming a closure for the bin.

6. In a kitchen cabinet, the combination of a table having bracket extensions, a bin beneath the table and mounted on rockers working in guides on said brackets, a drawer in and forming a closure for the bin, and means for automatically closing the drawer on the closing of the bin.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROBERT P. DEWEY.

Witnesses:

S. H. NOURSE,

FREDERICK E. MAYNARD.