R. H. SHOOK.

KITCHEN CABINET.

APPLICATION FILED FEB. 23, 1909.

924,197. Patented June 8, 1909.

Fig. 1.

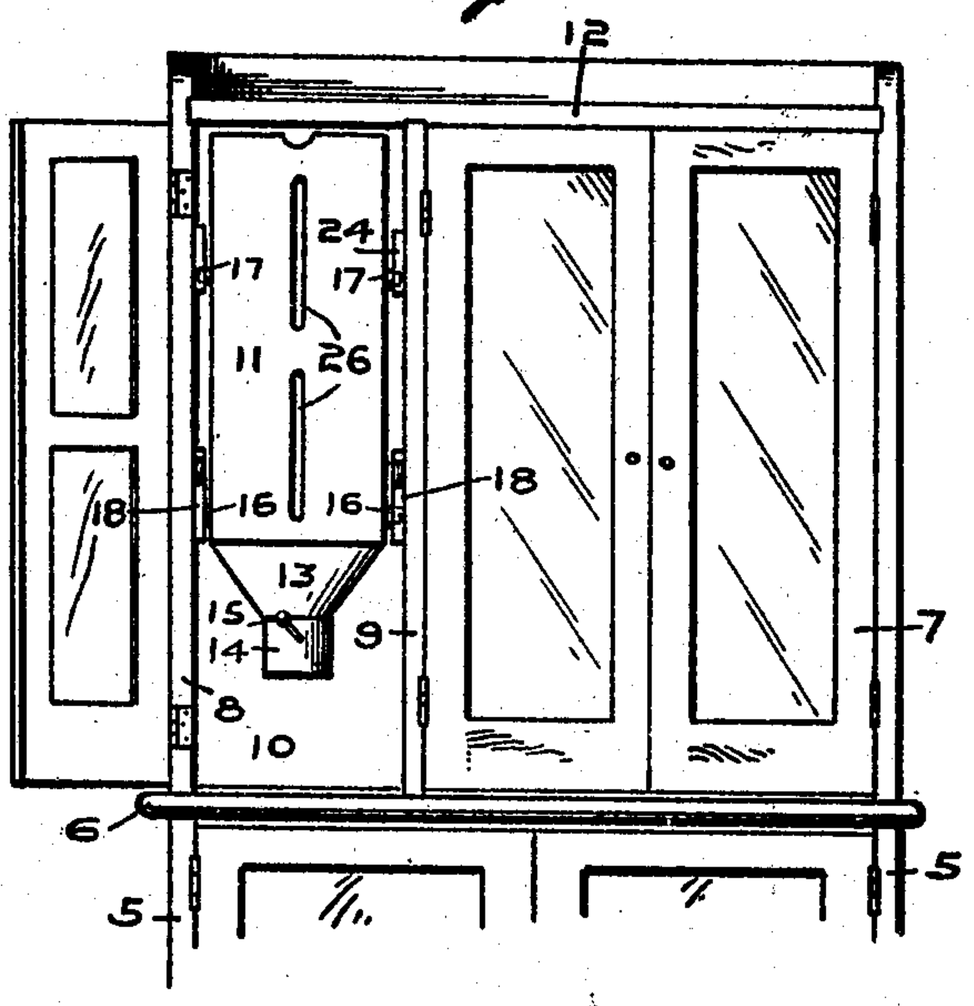


Fig. 4.

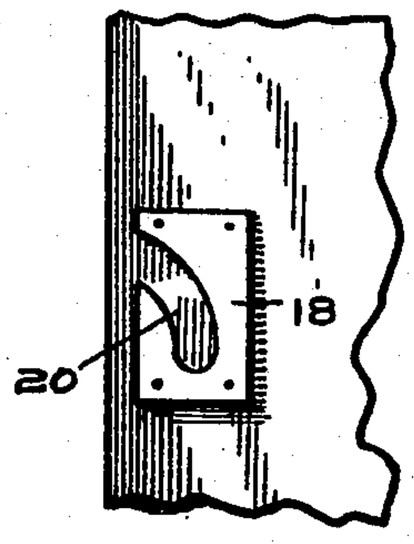


Fig. 2.

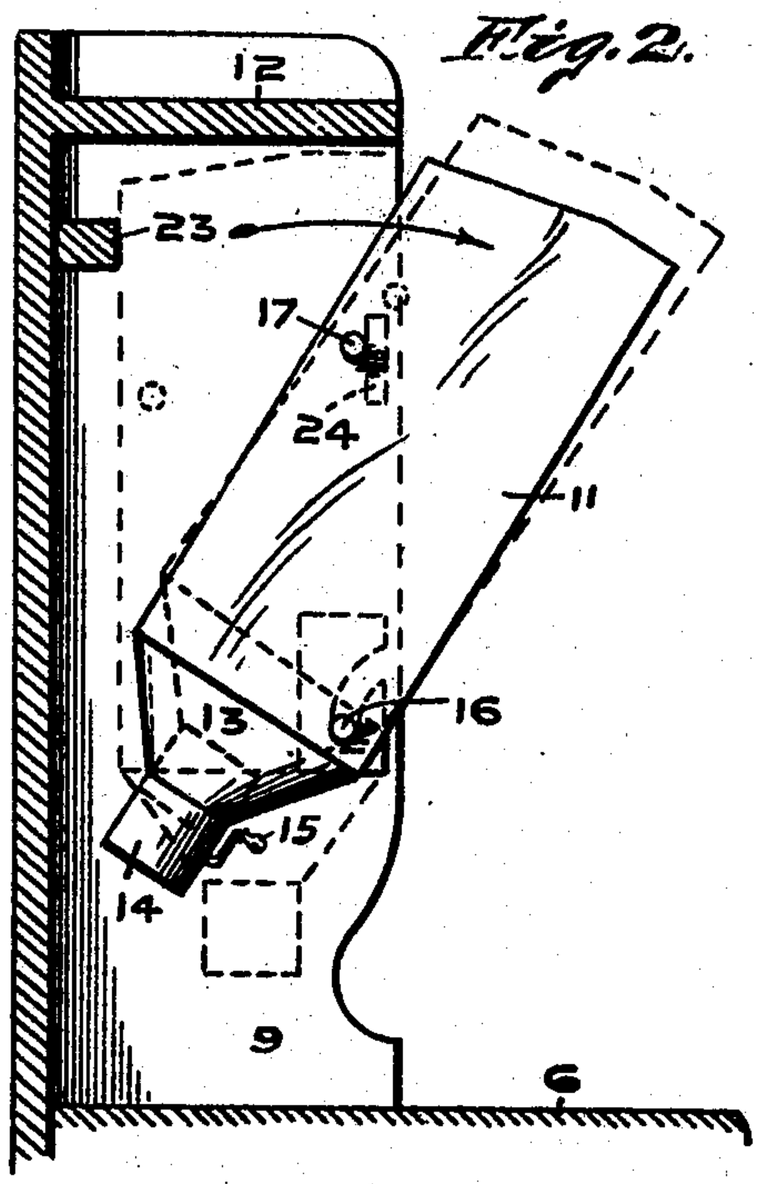
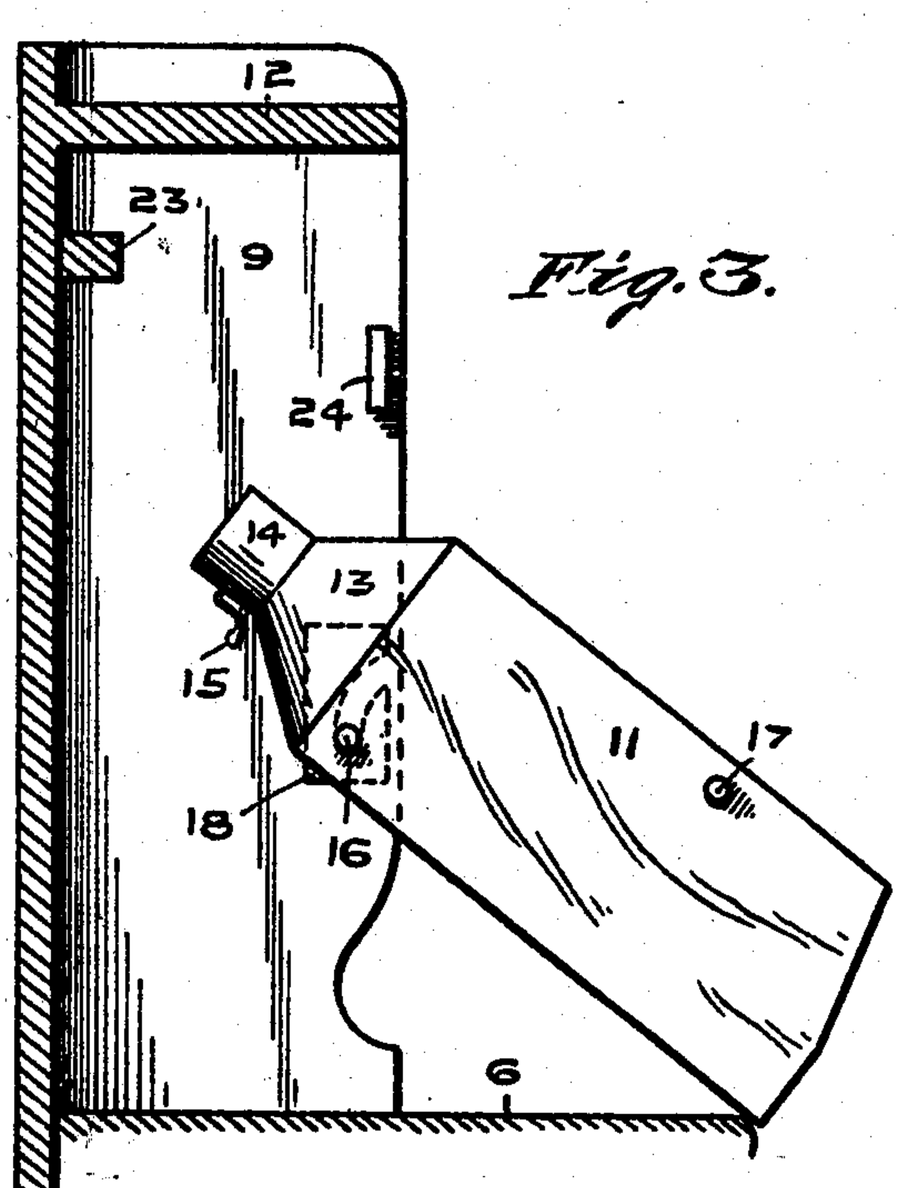


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROBERT H. SHOOK, OF LA FAYETTE, INDIANA, ASSIGNOR TO B. F. BIGGS PUMP COMPANY, OF LA FAYETTE, INDIANA, A CORPORATION OF INDIANA.

KITCHEN-CABINET.

No. 924,197. Specification of Letters Patent. Patented June 8, 1909.

Application filed February 23, 1909. Serial No. 479,562.

To all whom it may concern:

Be it known that I, ROBERT H. SHOOK, a citizen of the United States, residing at La Fayette, in the county of Tippecanoe and State of Indiana, have invented certain new and useful Improvements in Kitchen-Cabinets, of which the following is a specification.

This invention relates to improvements in kitchen cabinets having a cabinet-top with a compartment in which is located a bin for holding flour and other like materials, and the object of the invention is to provide means whereby the bin can be tilted out at its upper end for convenience in filling the latter through said end.

The object also is to provide means whereby the bin is readily removed as an entirety or whereby the ends may be practically reversed for convenience in emptying and cleaning the bin.

I accomplish the objects of the invention by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is a detail in front elevation of the upper portion of the base of the cabinet, showing the cabinet top equipped with my invention. Fig. 2 is a vertical section transversely of the cabinet-top just inside of the end of the cabinet-top, showing the flour bin in titled position for filling. Fig. 3 a like section showing the bin in its inverted position for cleaning, and Fig. 4 is a detail, in side view, of the bin receptacle showing one of the slotted hinge-plates.

Like characters of reference indicate like parts throughout the several views of the drawing.

5 is the base of the cabinet, 6 the base-top or table and 7 the cabinet-top having an end wall 8 and a partition 9 parallel therewith forming a compartment 10 in which compartment my improved flour bin will be located.

11 is a flour bin mounted in the compartment 10 with its open upper end close under the top shelf 12 of the cabinet-top. The lower end of the bin 11 has the hopper 13 with the tubular discharge 14, and located within the tubular discharge 14 is a sifter (not shown) which is operated by means of the handle 15.

The manner of removably mounting the bin 11 in the receptacle 10 is as follows: The two opposites of the bin are each provided with a pair of lateral pins or gudgeons 16 and 17. The gudgeons 16 are near the front bottom corners of the sides, as shown in Fig. 2; the gudgeons 17 are near the back of the bin and preferably above the longitudinal center of the bin. 18 are plates secured to the adjacent side walls 8 and 9 of the compartment 10. The plates 18 are provided with curved slots 20 which open toward the front to permit the introduction therein and removal therefrom of the gudgeons 16 whereby, when the gudgeons are inserted in slots 20, the bin 11 will be pivotally supported. On account of the gudgeons 16 being adjacent the front wall of bin 11 the weight of the bin and of its contents will cause the bin to remain normally closed. The back of the receptacle 10 should be far enough away from the pivotal point 16 to permit the tubular discharge 14 to move into the position shown in Fig. 3 without interference, and the bin 11 will be prevented from swinging back too far at the top by the extension 23.

When the upper end of the bin is tilted forward, as it is done for the purpose of filling it, its movement is limited by the inwardly projecting blocks or lugs 24 on the walls 8 and 9, by forming stops for the gudgeons 17, in the manner clearly shown in Fig. 2. When it is desired to lower the upper end of the bin into the position shown in Fig. 3, the hopper is raised longitudinally into the position shown by the oblique dotted lines in Fig. 2, which lifts the gudgeons 17 above the lugs 24, thereby permitting the open end of the bin to move down until it is arrested by contact with the table 6. In this position which is clearly shown by Fig. 3, the loose contents of the bin will slide out by gravity and the open end affords a ready access for manually cleaning the interior of the bin. Should it be desired for any reason to entirely remove the bin from the cabinet-top, this can be done by first bringing it into the oblique position shown in Fig. 2 whereupon it can be lifted out in this position.

Sight-openings 26 are provided in the front wall of the bin, with glass windows therein through which the quantity of material in the bin is always in evidence. The front of the receptacle 10 may be closed by a suitable door such as is shown at the right of the compartment 10.

Instead of forming the slots 20 in blocks 18 these slots might be formed in the walls 8 and 9 and the details of construction may be varied without departing from the spirit of my invention.

What I claim as new and wish to secure by Letters Patent of the United States, is—

1. The combination with a kitchen cabinet having a compartment with side walls, said walls having downwardly directed slots which open toward the front of the cabinet, of a bin removably and movably mounted in said compartment, the sides of said bin adjacent the slotted walls of the compartment having gudgeons near its lower front corner to enter said slots, and means to limit the front and back tilting movement of the bin, said front limiting means being adapted by a longitudinal movement of the bin to permit the further tilting of the latter.

2. The combination with a kitchen cabinet having a compartment with side walls, said walls having downwardly directed slots which open toward the front of the cabinet, of a bin removably and movably mounted in said compartment, the sides of said bin adjacent the slotted walls of the compartment having gudgeons near its lower front corner to enter said slots, means to limit the backward tilting of the bin and means to limit the forward tilting thereof, said last means comprising extensions from the outer sides of the bin and stops from the sides of the compartment in the paths of said bin extensions, said means by a longitudinal movement of the bin permitting a further tilting of the latter.

In witness whereof, I have hereunto set my hand and seal at Indianapolis, Indiana, this 10th day of February, A. D. one thousand nine hundred and nine.

ROBERT H. SHOOK. [L. S.]

Witnesses:
F. W. WOERNER,
E. E. MILLER.