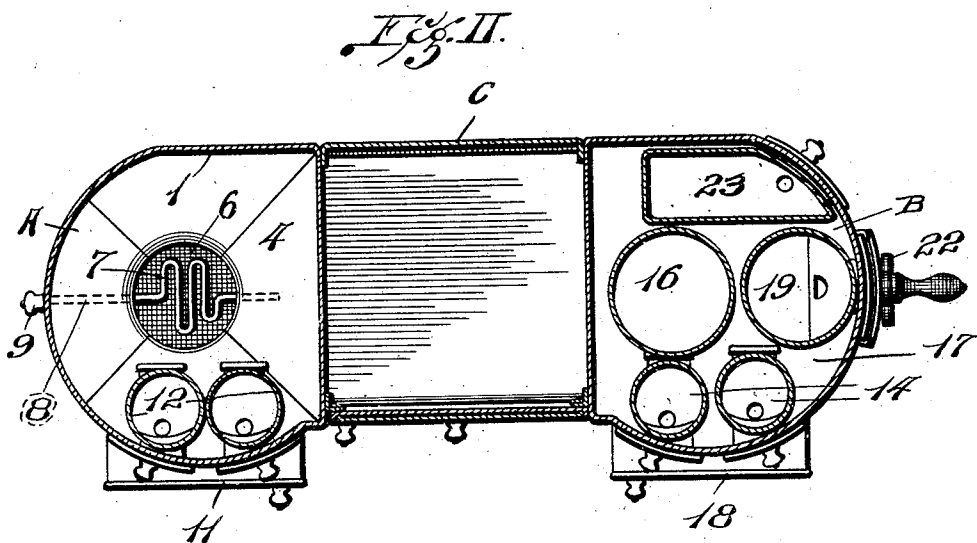
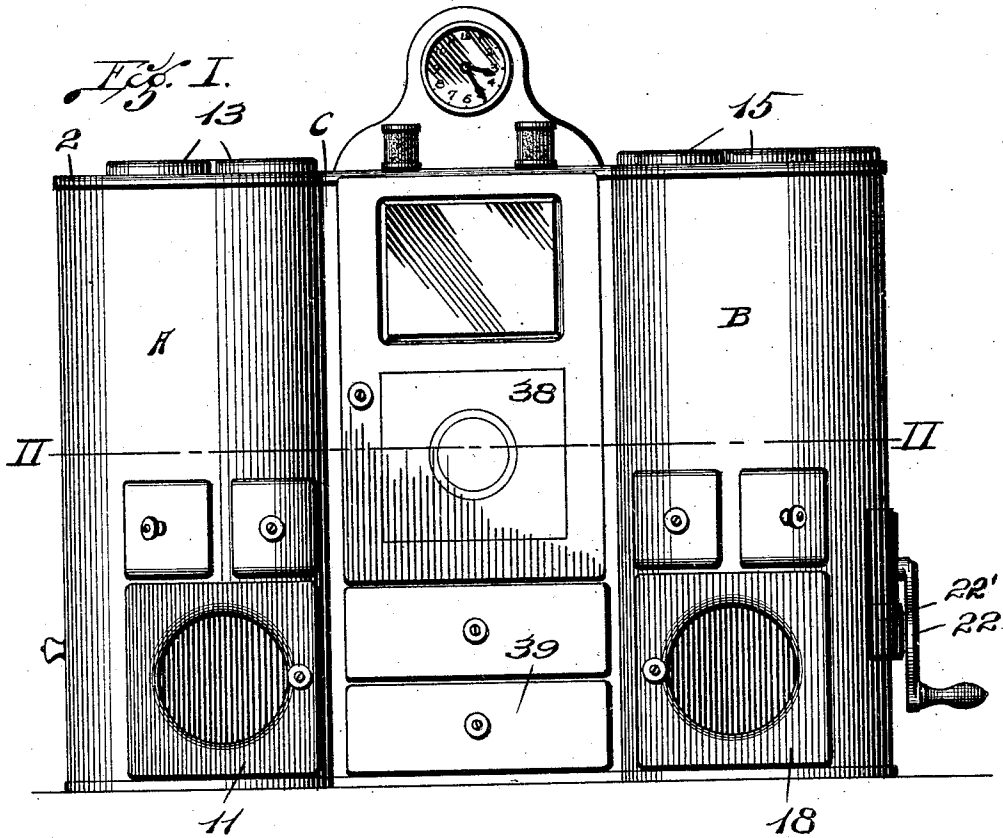


F. WESTERBECK.
KITCHEN CABINET.
APPLICATION FILED MAR. 1, 1909.

946,927.

Patented Jan. 18, 1910.
3 SHEETS—SHEET 1.



ATTEST.

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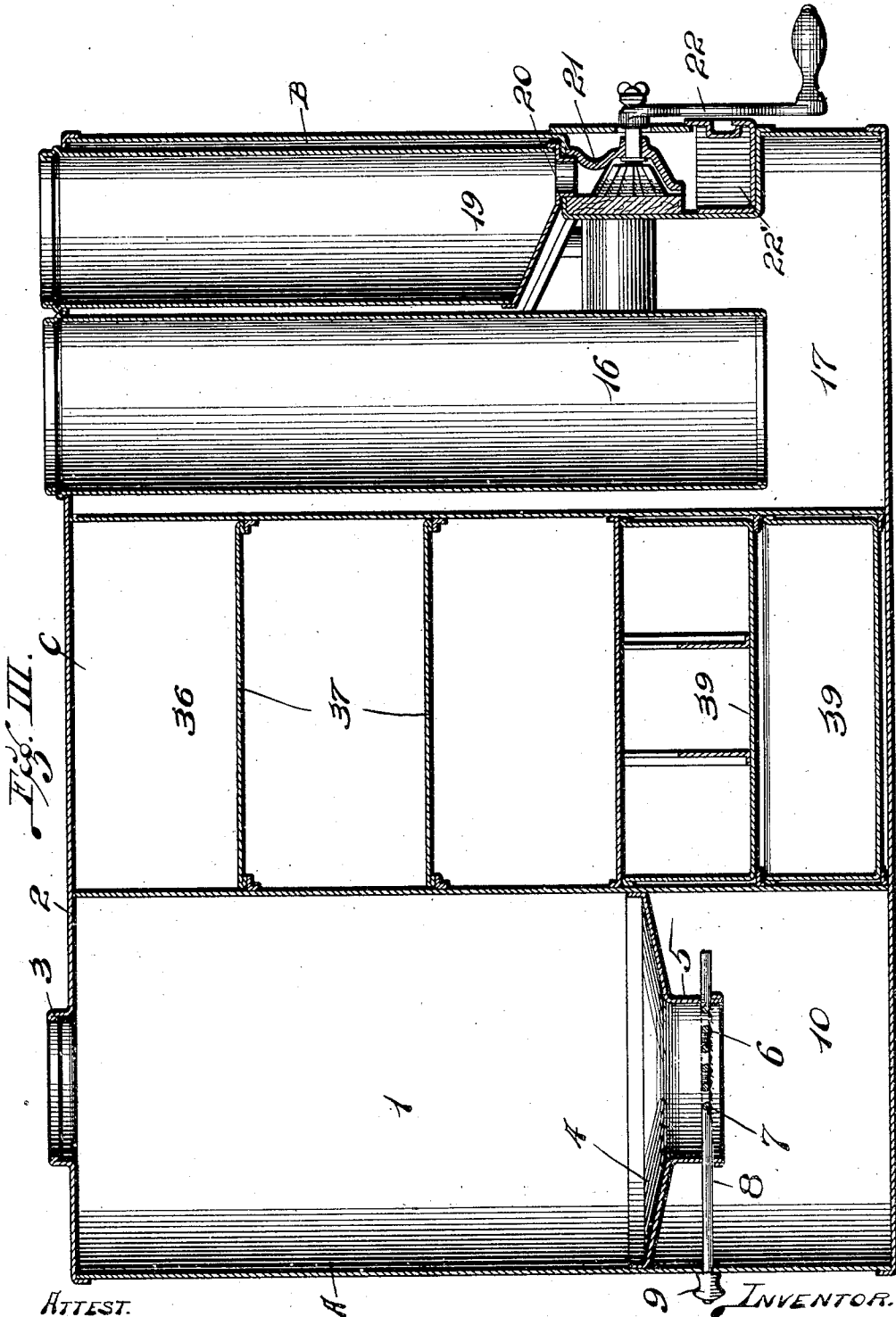


Fig. III.

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3 SHEETS—SHEET 3.

Fig. IV.

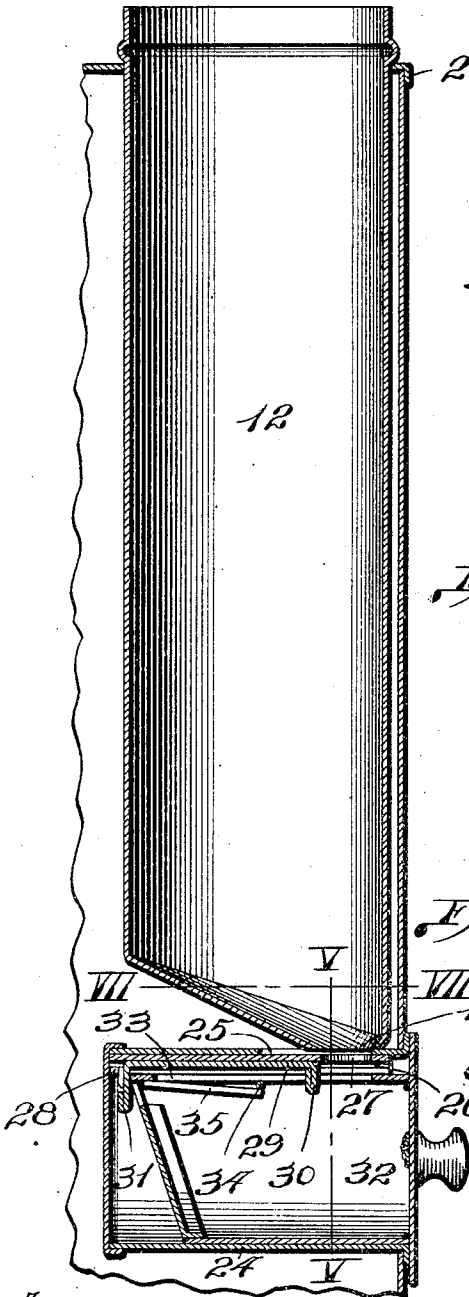


Fig. V.

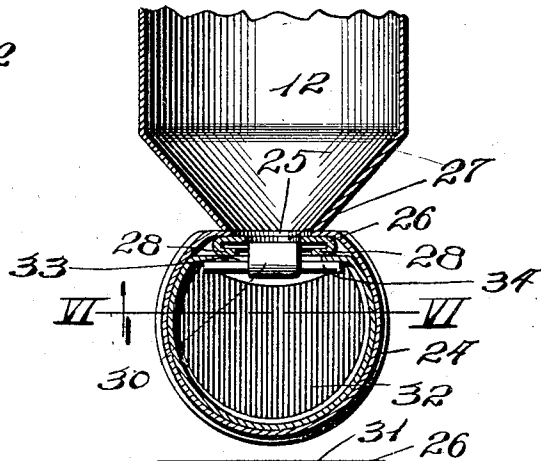


Fig. VI.

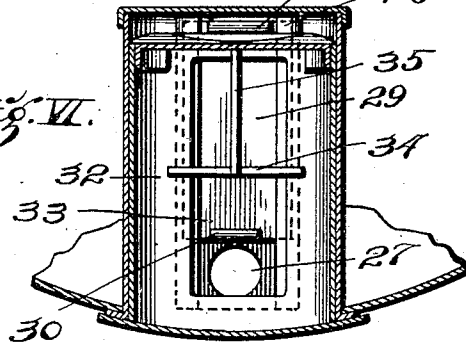
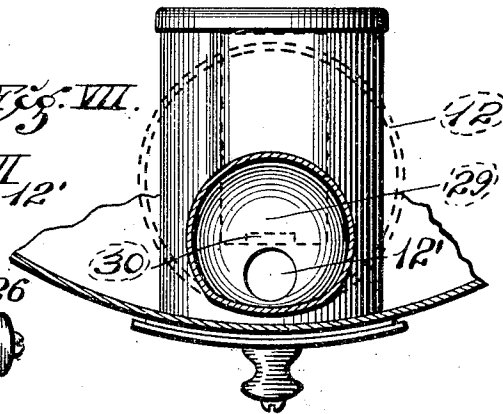


Fig. VII.



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UNITED STATES PATENT OFFICE.

FREDERICK WESTERBECK, OF ST. LOUIS, MISSOURI.

KITCHEN-CABINET.

946,927.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK WESTERBECK, a citizen of the United States of America, residing at the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Kitchen-Cabinets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a cabinet for use in kitchens to hold foods and various articles commonly utilized in the kitchen, and the invention has for one of its objects a kitchen cabinet so constructed as to provide for the reception of a maximum variety of foods and articles in a minimum of space.

A further object of my invention is to provide in a kitchen cabinet a plurality of bins or containers, a plurality of removable receptacles into which the material placed in said bins or containers may be deposited, and cut-off devices at the lower ends of the bins or containers whereby the lower ends of the bins or containers may be opened when the receptacles are introduced into the cabinet and closed when said receptacles are removed from the cabinet.

Figure I is a front elevation of my kitchen cabinet. Fig. II is a horizontal section taken on line II—II, Fig. I. Fig. III is an enlarged vertical longitudinal section through the cabinet. Fig. IV is an enlarged vertical section through the cabinet at one of the bins or containers and one of the removable receptacles and cut-off devices associated with the bin or container. Fig. V is a vertical cross section taken on line V—V, Fig. IV. Fig. VI is a horizontal section taken on line VI—VI, Fig. V, and with the parts above said line shown in inverted plan view. Fig. VII is a horizontal section taken on line VII—VII, Fig. IV.

My kitchen cabinet is preferably constructed of sheet metal and comprises in general two end sections and a central section intermediate of said end sections.

In the accompanying drawings:—A designates one of the end sections having rounded side and front walls, B the other end section having rounded side and front walls, and C the central section having its front wall set back from the rounded front walls of the end sections of the cabinet. The end section A has within it a main flour bin 1 occupying its whole transverse area,

the upper end of which is in part closed by the top 2 that extends horizontally the whole length of the cabinet and which is provided above the flour bin with a neck 3 adapted to receive a lid or closure that may be readily applied to and removed from said neck. At the lower end of the flour bin is a hopper shaped bottom 4 occupying the whole transverse area of the flour bin provided with a spout 5 in which is a sieve 6, (see Figs. II and III.)

7 is a serpentine agitator mounted in the spout 5 and adapted to be reciprocated on the sieve 6 for the purpose of sifting flour through said sieve, this agitator being provided with a handle rod 8 that extends through the section A of the cabinet to the exterior thereof and has fixed to its outer end a knob 9 by which the agitator may be actuated. Beneath the bottom of the flour bin, within the section A, is a compartment 10 into which a vessel may be introduced to receive flour sifted from the bin through the sieve 6. The compartment just mentioned is normally closed by a door 11 located at an entrance way into the compartment, this door being shown in Figs. I and II. The end section A of the cabinet further contains small bins 12 that are vertically positioned in the flour bin of the section at the front thereof, these small bins being, as shown in Figs. I and II, two in number, although a greater number of the small bins may be employed. The small bins 12 are of much less diameter than the flour bin within the end section A and they are adapted to receive articles of food that are not used in quantities equal to the quantity of flour commonly used in any household. The upper ends of the small bins 12 are normally closed by lids 13, while the discharge of the contents from said small bins is controlled by means located above the hopper shaped bottom 4 to be hereinafter described, in order that such contents may be emptied into receptacles furnished to receive the contents when their lower ends are opened.

In the end section B of the cabinet are small front bins 14, similar to the small bins 12, and which are closed at their upper ends by lids 15. The outlets at the lower ends of these small bins 14 are controlled by means similar to the means that controls the outlets from the small bins 12 and to which, as previously stated, more particular reference will hereinafter be made. Within the end

section B is also a vertical open ended tube 16 that provides a passageway from the top of the cabinet to a compartment 17 at the bottom of the end section B, this open ended tube and compartment being adapted to receive meal or some other article of food that is used in large quantities and for which there is reason to provide a greater amount of space within the cabinet. Entrance into the compartment 17 is provided for by the provision of a doorway in the front of the end section B which is normally closed by a door 18.

19 designates an intermediate coffee bin within the end section B of the cabinet and at the lower end of which is a spout 20.

21 is a coffee mill housed within the end section B and having a crank handle 22 located exterior of said end section. The coffee mill is adapted to receive unground coffee from the intermediate bin 19 as it descends therefrom through the spout 20 and as the coffee is ground from the mill, it is deposited in a drawer 22' that may be removed from a pocket provided therefor that is located in the section B immediately beneath the coffee mill.

23 is a rear bin which is located at the rear of the open ended tube 16 and coffee bin 19 in the end section B of my cabinet, this bin 23 having an outlet beneath which is located means for controlling the discharge of contents from the bin and which is similar in construction to the means provided for the same purpose and used in connection with the small bins 12 and 14.

Referring now to the means for controlling the discharge of contents from the bins 12, 14, and 23, I would first state that each of said bins is provided with a sloping bottom, as seen most clearly in Figs. II, IV, V, and VII, in which views the bin illustrated may be considered as one of those numbered 12, although a description of the bin and the means beneath it is similar to the bins 14 and 23 and the means beneath them, each bin being provided at the lower end with an outlet, as indicated at 12'. Beneath each of the bins referred to is a housing 24 that is preferably cylindrical in shape and extends inwardly from the wall of the section of the cabinet in which the bin is located. At the top of the housing 24 is an opening 25 that registers with the outlet opening 12' of the bin above said housing and through which the contents of said bin may pass as they descend through said outlet.

26 is a valve guide attached to the upper portion of the housing 24 and extending longitudinally thereof, this guide being provided with an opening 27 in registration with the outlet from the bin and its lower side with inturned flanges 28.

29 is a valve operable in the valve guide 26, the valve being so mounted in said guide

as to be slid forwardly for the purpose of preventing the descent of the contents from the bin through its outlet and to be slid rearwardly to expose said outlet and permit of the descent of the contents. At the lower side and forward end of the valve 29 is a depending arm 30 and at the rear end of the valve is a depending arm 31, these arms being adapted to be engaged for the purpose of shifting the valve.

32 designates a receptacle in the shape of a drawer that is adapted to be introduced into the housing 24 to receive the contents from the bin above the housing and through the medium of which receptacle the valve 29 is operated for the purpose of opening a passageway from the bin into the receptacle when the receptacle is introduced into the housing and for the purpose of closing said passageway when the receptacle is withdrawn after being filled. The receptacle 32 is provided with a top opening 33 that is spanned by a cross bar 34.

35 is a guard rod extending from the cross bar 34 to the rear end of the receptacle. When the receptacle is introduced into the housing 24 and moved rearwardly therein, the rear end of the receptacle, by striking against the depending arm 31 of the valve 29, acts to move said valve rearwardly, with the result of carrying its forward portion from a position in which it previously acted to close the passageway leading downwardly from the outlet of the bin. The contents of the bin is, therefore, permitted to descend through said passageway to fill the receptacle. Then when the receptacle is withdrawn from the cabinet, the cross bar 34 acting as a shifter comes into engagement with the forward depending arm 30 of the valve 29 and carries said valve to its closed position with the result of cutting off the descent of an additional amount of contents from the bin previously in communication with the receptacle, in order that when the receptacle is fully withdrawn from the cabinet, the remaining contents in the bin will be retained therein. Each receptacle 32 is preferably made with a slanting rear end, as seen in Fig. V, in order that when the receptacle is being withdrawn from the housing 24 after the valve 29 has been closed, its forward end may be readily tilted in an upward direction, thereby permitting of the shifter cross bar 34 being freed from the arm 30 of the valve which is in front of it at this time. The guard rod 35 acts to prevent the accidental passage of the forward arm 30 of the valve 29 into a position back of the shifter cross bar instead of in front of this cross bar, as is necessary to provide for the actuation of the valve by said bar.

The central section of my cabinet comprises an upper compartment 36 in which

are arranged shelves 37 that may serve to support foods or articles that it may be desired to place in the compartment. The compartment 36 is closed by a door 38. Beneath the compartment 36 are drawers 39 that may be used for any desired purpose.

I claim:—

1. A kitchen cabinet comprising end sections each having rounded side and front walls, and a central section having its front wall set back from the rounded front walls of the end sections, a hopper shaped bottom in one end section occupying the transverse area thereof so as to provide a main bin, small bins each having a drawer housing and located in the main bin above the hopper shaped bottom, and the open ended tube, an intermediate bin having a grinding mill, and the small front bins and the rear

bin having drawer housings and all located in the other end section.

2. A kitchen cabinet comprising a bin having a sloping bottom provided with an opening, a receptacle housing having a top opening registering with the opening in the bin-bottom, a valve guide located beneath the top of the receptacle housing and having an opening registering with the opening in the top of the receptacle housing, a receptacle having a top opening, and carrying a guard rod and cross bar beneath its top opening and a valve operating in the valve guide, and having depending forward and rear end arms engaged by the cross bar and receptacle respectively.

FREDERICK WESTERBECK.

In the presence of—

W. M. H. SCOTT,
H. G. COOK.