D. POWELL & C. O. BRAGE.

KITCHEN CABINET.

APPLICATION FILED APR. 26, 1913.

1,124,655.

Patented Jan. 12, 1915.

2 SHEETS—SHEET 1.

Fig. 1.

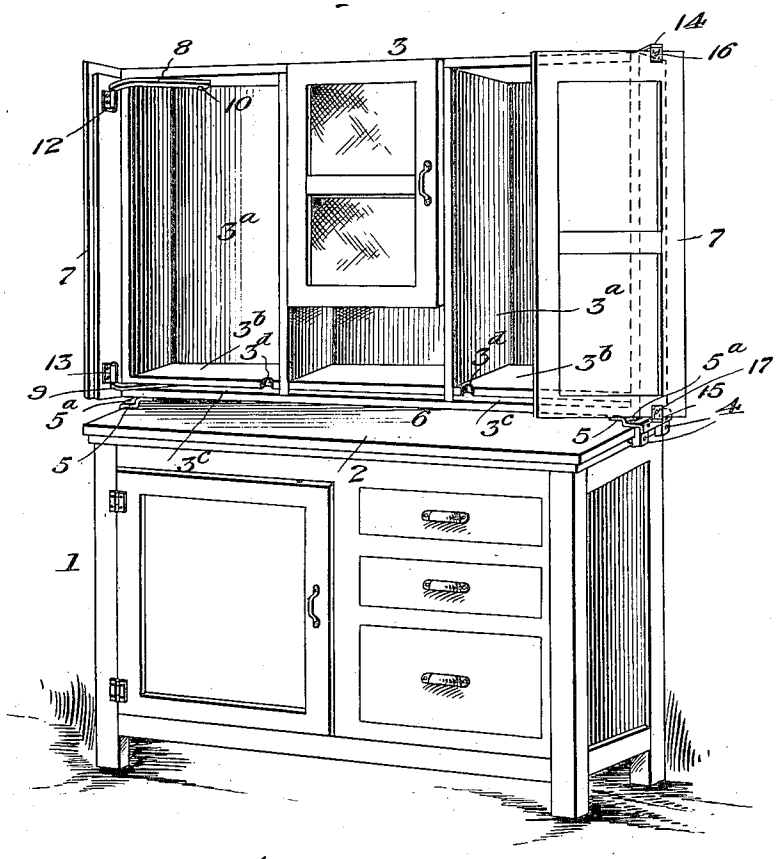
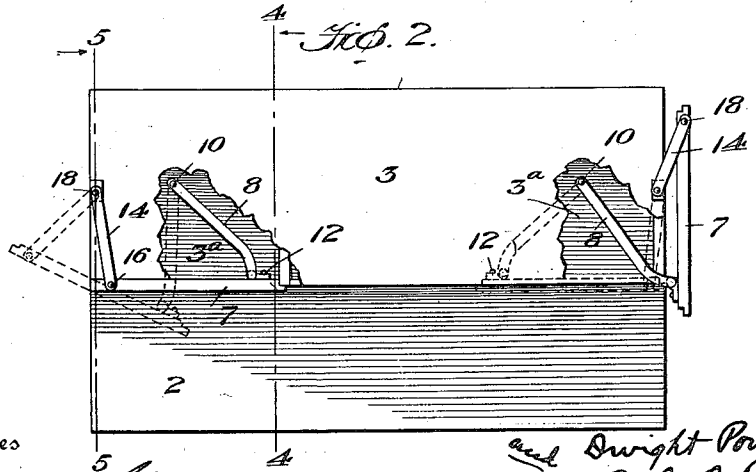


Fig. 2.



Witnesses

S. V. Lockwood

Inventors

and Dwight Powell

Carl O. Brage

By

Their Attorney

D. POWELL & C. O. BRAGE.

KITCHEN CABINET.

APPLICATION FILED APR. 26, 1913.

1,124,655.

Patented Jan. 12, 1915.

2 SHEETS—SHEET 2.

Fig. 3.

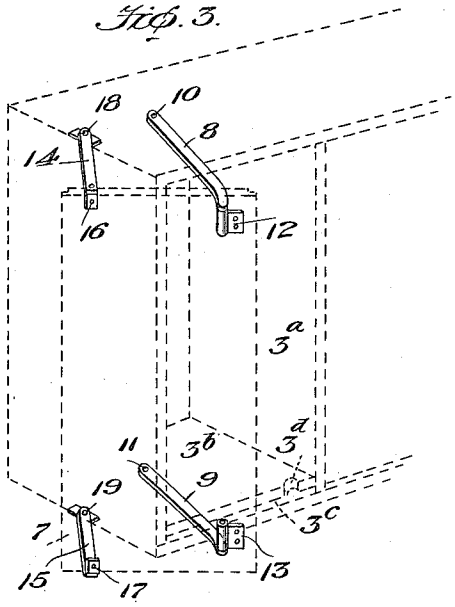
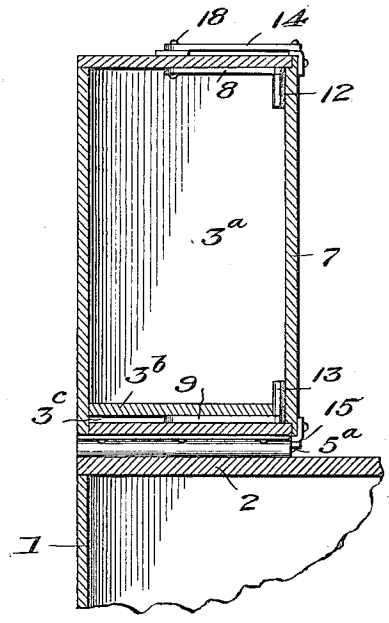


Fig. 4.



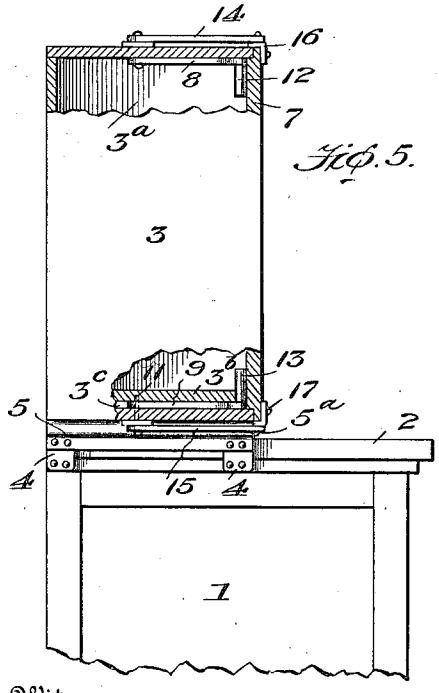


Fig. 5.

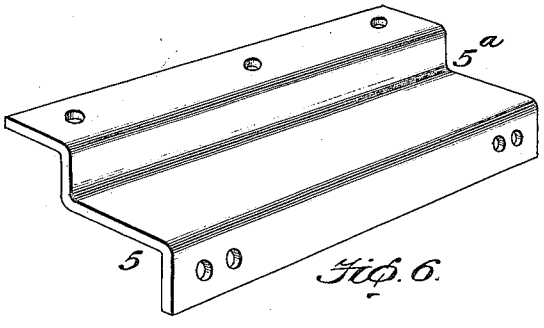


Fig. 6.

Witnesses

G. V. Lockwood

Inventors

Dwight Powell

and Carl O. Brage

By Geo. H. Hamlen

their Attorney

UNITED STATES PATENT OFFICE.

DWIGHT POWELL AND CARL O. BRAGE, OF RALSTON, NEBRASKA.

KITCHEN-CABINET.

1,124,655. Specification of Letters Patent. Patented Jan. 12, 1915.

Application filed April 26, 1913. Serial No. 763,796.

To all whom it may concern:

Be it known that we, DWIGHT POWELL and CARL O. BRAGE, citizens of the United States, residing at Ralston, county of Douglas, State of Nebraska, have invented certain new and useful Improvements in Kitchen-Cabinets and other Furniture, of which the following is a specification.

This invention relates to kitchen cabinets and other furniture.

Kitchen cabinets, desks, and other similar furniture as heretofore generally constructed with a bed or table over which the cabinet doors swing, have been subject to the serious disadvantage of the doors being so hinged that they swing across the table or bed of the cabinet, rendering it necessary to clear the table of all articles in the path of the door before the latter can be opened or closed, for otherwise articles on the table interfere with the swinging of the doors or are swept from the table by them.

The object of the present invention is to provide, first, a kitchen cabinet, desk, or other similar furniture whose doors, instead of swinging across the table top, are hung so that they will swing or slide around the corner of the cabinet and to the side thereof with but very little sweep across any part of the table top, thereby making it possible to open and close the doors without interference with any articles on the table top or necessitating their shifting or removal.

The invention has for its second object the provision of an improved hanging or mounting for the door of a kitchen cabinet, desk, or other similar furniture which will permit opening and closing of the door by a combined sliding and swinging movement and at the same time provide a secure and rigid or non-shaking support for the door during its movements.

A third object of the invention is to provide, in a kitchen cabinet, desk, or other similar furniture, an improved support for the upright cabinets or closets which will render them substantially dust-proof, and, further, to utilize such a support in combination with an improved hanging or mounting for the door of the closet or cabinet.

The invention has for a further object, generally, the provision of improvements in a kitchen cabinet, desk, or other furniture whereby the doors of the closet or cabinet portion thereof will occupy practically no greater wall space, when open, than when closed and, further, to provide a door construction and mounting which will be simple, strong, durable and convenient and easy of operation.

The invention consists, first, of the combination in a kitchen cabinet, desk, or other furniture having a closet and a bed or table, of a door or doors mounted to swing bodily when opening or closing in such manner that they will sweep to an inconsequential extent over the table or bed top.

The invention consists, further, in an improved duplex mounting for the door of a kitchen cabinet, desk, or other furniture whereby the door may swing bodily when opening or closing; further, in the particular door mounting hereinafter set forth.

The invention still further consists in improved means for supporting the closet from the table of a kitchen cabinet, desk or other furniture; and further, in the combination of such mounting or support with an improved door mounting.

The embodiment of the invention which is set forth hereinafter is to be considered as illustrative, rather than restrictive, of the scope of the invention.

In the accompanying drawings: Figure 1 is a perspective of a kitchen cabinet equipped with our improvements, one of the doors being shown open and the other as partially open; Fig. 2, a plan view, partly broken away, one of the doors being shown completely closed and the other completely open, dotted lines representing other positions thereof; Fig. 3, a detail perspective with the arms in full lines and the door and a part of the cabinet in dotted lines; Fig. 4, a section on line 4—4, Fig. 2; Fig. 5, an end elevation, partly in section, the door being closed; and Fig. 6, a detail perspective of a certain support.

The kitchen cabinet 1 may have its lower construction of any desired form, with such arrangement of drawers and closets as may be preferred. The cabinet has the usual type of top, table or bed 2. The closet construction 3 which is superposed on the bed 2, may be of such form, construction and ar-

rangement as may be desired, except that it is provided with the new features and improvements hereinafter set forth which constitute severally, and together, the present invention.

The entire cabinet 3 is supported from the bed 2 by brackets 4 and metallic supports 5 which are shown in Fig. 6. The supports 5 preferably extend the full depth of the cabinet 3 and by virtue of their construction, the cabinet is raised above the bed or table 2 and is separated from it by a cleaning space 6, permitting easy dusting or cleaning and preventing the access of dust to the cabinet 3. In those constructions heretofore known to the art where the cabinet 3 has its bottom resting on the bed or top 2, dust can readily accumulate where the parts join and have access to the cabinet 3 and the closets 3^a thereof, but with our construction, the closets 3^a and the cabinet itself are rendered practically dust-proof. The supports 5 also provide channels or grooves 5^a. The closets 3^a have a false bottom 3^b which is separated from the bottom or base of the cabinet 3 by a slot 3^c.

The doors 7, which may be rabbeted to adapt them to fit in the open fronts of the closets 3^a, are bodily movable, as contradistinguished from those doors which are hinged and are adapted to swing across the table or bed 2 as has previously been the practice in kitchen cabinets.

Doors which are hinged in the manner of ordinary swinging doors have heretofore constituted a serious defect in kitchen cabinets in that they sweep across the bed or top 2 when opening or closing and cause articles on said bed to be knocked off or require them to be moved if in the path of the door; besides which, the usual hinged door, when open, occupies additional wall space.

The doors 7 are hung for bodily shifting by corresponding upper and lower arms 8 and 9 which are pivoted to the top and bottom of the cabinet 3 at 10 and 11, respectively, and to brackets 12 and 13 located on the inner face of the door somewhat inwardly from the toe thereof and inwardly from the upper and lower edges of said door.

The upper arm 8 is pivoted to the lower face of the top of the cabinet and the lower arm 9 to either the true bottom or the false bottom 3^b and is adapted to play in the open space 3^c which is provided for that purpose. The pivots 10 and 11 are preferably, but not necessarily, disposed in the general central part of the top and bottom of the closet. To accommodate the bracket 13, a notch 3^d may be provided in the front edge of the false bottom 3^b.

The heel of the door is hung and supported in a swinging manner by upper arms 14 and lower arms 15 which are pivoted to the upper and lower edges of the door at 16 and 17, respectively, somewhat inwardly from the exact heel of the door. Wear plates may be provided at the pivotal points. The other ends of the arms 14 and 15 are pivoted to the top and bottom of the closet at 18 and 19, wear plates being provided, if desired. The upper arms 14 are adapted to swing across the top of the closet and the lower arms 15 beneath the latter. The channel or groove 5^a accommodates the lower arm 15 when the door is closed and permits said arm to swing across the bottom of the closet.

The provision of arms at the top and bottom of the door and pivoted to the heel and toe parts thereof, results in a strong, durable and rigid swinging mounting for the door, preventing vibration or looseness thereof and insuring the door fitting the closet even after long use.

The mounting provided by the arms 8, 9, 14 and 15 causes the door to move bodily in opening and closing and prevents it from swinging or sweeping across the table or top 2 except to a very slight degree. When the door is opened, it moves slightly outwardly until its heel is ready to clear the corner of the closet, whereupon the mounting provided, consisting of the arms 8, 9, 14 and 15, causes the door to swing closely around the front outer corner of the closet until it finally assumes the position shown at the right in Fig. 2, collapsed substantially against the end of the cabinet and occupying practically no additional wall space. In closing the door, the aforesaid improvements are reversed. As a consequence, articles may be allowed to remain on the table 2 and are not knocked off by opening and closing the doors, nor do they interfere with such opening and closing.

Locating the arms 9 in a relatively narrow slot between the true and false bottoms of the closet, affords an extended support for said arms and relieves the pivots thereof and the pivots of the remaining arms from appreciable strain.

We are aware that our invention is as well adapted for use on desks and any other similar furniture having a table or bed and a closet or cabinet whose door swings over said table, as on kitchen cabinets, and we claim the invention as applied to all furniture with which it is adapted to be used.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent, is:—

1. In a kitchen cabinet, desk, or other furniture, the combination with the table or bed thereof, of supports connected to said table or bed and having channel parts, a cabinet sustained by said supports, a door for said cabinet, upper arms pivotally connecting the door to the cabinet, and lower

arms pivotally connecting the door to the cabinet and adapted for reception in said channel parts or supports.

2. In a kitchen cabinet, desk, or other furniture, the combination with the table or bed thereof, of channeled supports connected to said bed or table, a cabinet resting on said supports and by them sustained above the table or bed, said channeled supports extending forwardly and rearwardly in relation to the cabinet, doors for said cabinet, upper swinging arms connecting the doors to the cabinet, and lower swinging arms connecting the doors and the cabinet, said lower arms being adapted for reception in the channeled parts of the supports.

3. In a kitchen cabinet, desk, or other furniture, the combination with the bed or table thereof, of a cabinet supported by said bed or table and having a closet provided with a double bottom, a bodily movable door for said closet, a pair of arms jointed to different parts of the door at the upper part of the latter and also jointed to the cabinet, an arm jointed to the lower part of the door and to the bottom part of the cabinet and another arm jointed to the lower part of the door and to the bottom part of the cabinet, said last-named arm being disposed and adapted to play within the space between the parts of the double bottom, said door being bodily and swingingly laterally movable.

4. In a kitchen cabinet having a front bed or table and a rear cabinet, the combination with an exterior, outwardly swinging and bodily shiftable door for said cabinet, of hinging and mounting means applied to the upper and lower parts of said door which are arranged and adapted so that the door, when opening or closing, follows a predetermined path exteriorly of the cabinet and sweeps over only a limited area of the rear portion of the bed or table in front of the cabinet and is adapted, when fully open, to lie close to the side of the cabinet.

5. In a kitchen cabinet, having a front bed or table and a rear cabinet, the combination with an exterior, outwardly swinging and bodily shiftable door for said cabinet, of independent hinging and mounting means pivotally applied to two different points of the upper part of said door and two distinct points of the lower part of said door, said hinging and mounting means being of such proportions and pivoted to the cabinet, and to said door at such points that said door, when opening or closing, follows a predetermined path exteriorly of the cabinet and sweeps over only a limited area of the rear portion of the bed or table in front of the cabinet.

6. In a kitchen cabinet, the combination with a cabinet or closet thereof provided with a double bottom, of an exterior, laterally swinging and bodily shiftable exterior door therefor, independent hinging and mounting means pivotally applied to the cabinet or closet and to two different points of the upper part of said door, and independent hinging and mounting means pivotally applied to two distinct points of the lower part of the door and embodying, in part, an arm disposed and movable in the space between the parts of the double bottom and pivoted to the latter, said double bottom supporting the arm and relieving its pivot of strain.

In testimony whereof, we hereunto affix our signatures in presence of two witnesses.

DWIGHT POWELL.
CARL O. BRAGE.

Witnesses:
D. C. Dodds,
Ellery H. Westerfield.