May 28, 1940. M. KORN 2,202,107

KITCHEN CABINET

Filed Nov. 8, 1938

Fig. 1.

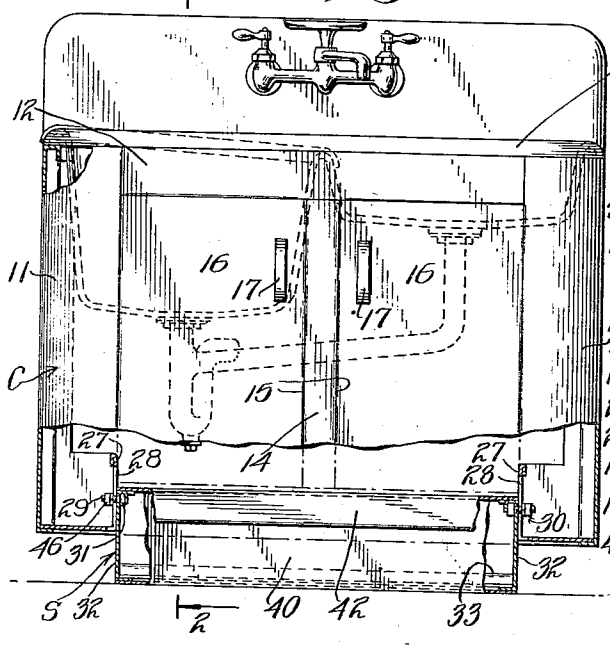


Fig. 2.

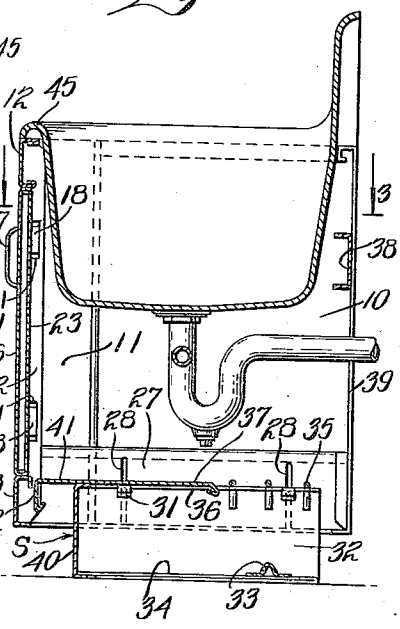


Fig. 3.

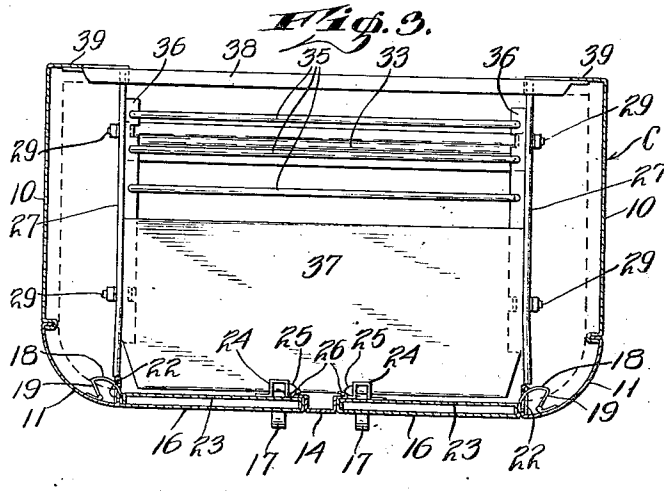


Fig. 4.

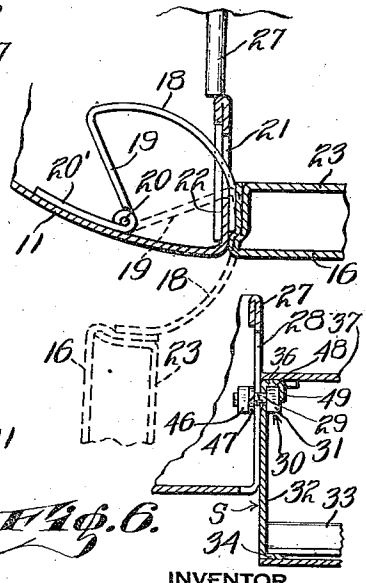


Fig. 5.

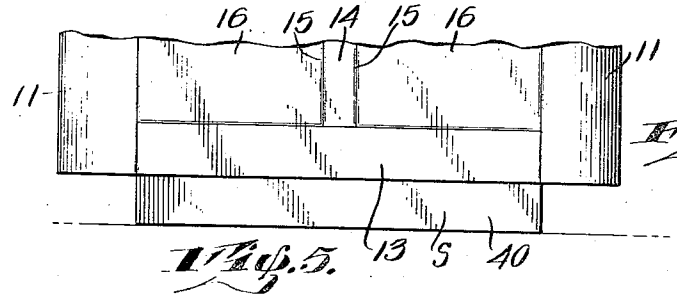


Fig. 6.

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KITCHEN CABINET

Max Korn, Brooklyn, N. Y.

Application November 8, 1938, Serial No. 239,463

4 Claims. (Cl. 312—169)

The present invention deals with the art of cabinets usually associated with a kitchen sink and an object of the invention is realized in the provision of an improved and serviceable cabinet having spaced transversely disposed and fixed partitions adjustably sustained by a centrally arranged support carrying the entire weight of the cabinet. The invention has as a further object to provide an attractive cabinet adjustable vertically relative to a centrally arranged unitary hollow support. Other objects, advantages, and features of the invention will be more readily appreciated from a consideration of the following detailed specification considered in connection with the accompanying drawing wherein:

Fig. 1 is a front and broken elevational view partly in section of a cabinet according to my invention.

Fig. 2 is a transverse sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a horizontal sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is an enlarged sectional view of a fragmentary part of the cabinet.

Fig. 5 is a front elevational view of the lower part of the cabinet and

Fig. 6 is an enlarged fragmentary view of Fig. 1.

In the single embodiment illustrated, the cabinet is generally designated C and is preferably of sheet metal. This cabinet comprises transversely arranged side walls 10 connected to the curved corner portions 11 which in turn are secured to the upper and lower front braces 12 and 13 respectively fixedly interconnected by the front vertical fixed channel column 14 for defining the front openings 15 closed by the hinged doors 16 each provided with a handle 17.

Each door carries upper and lower curved straps 18 each having an inclined part or leaf 19 pivotally or hingedly sustained on the fixed hinged pin 20 carried by leaf 20' secured to an associated corner member 11 of the cabinet. By the present arrangement the doors 16 may be swung either to close or open its companion doorway 15 and during such operation straps 18 move through openings 21 of vertically arranged flange means 22 of an associated corner member 11.

Fixedly secured to the rear wall 23 of each door is a bent plate 24 operatively carrying suitable latch means 25 to disengageably cooperate with a retaining lip 26 extending from the column or brace 14. Thus by grasping a handle 17 and pulling outwardly, a companion latch 25 may be unlocked to permit its associated door to be swung outwardly to obtain access to the interior of the cabinet. Upon closing of the door, latch 25 interlocks with its companion lip 26 to hold the door closed.

According to the invention a centrally arranged hollow support or platform S carrying the entire weight of the cabinet is utilized to adjustably sustain the cabinet. In this connection it will be observed that the interior of the cabinet is provided with the fixed and spaced transversely arranged plates or partitions 27 each of which include vertically disposed slots 28 for slidably guiding shanks 29 of bolts 30 having their heads 31 disposed adjacent channel members 32 which are prevented from spreading by the fixed and longitudinally arranged ribbed brace 33 fastened at the rear of and to lower flanges 34 of the channel members or brackets 32 which may be considered as the side walls of the hollow elongated casing S straddled by the fixed slotted partitions 27 of the cabinet C, the arrangement being such that the side walls of the hollow support are closely straddled by the transversely arranged slotted partitions 27.

Tie rods 35 are suitably mounted on the upper flanges 36 of the channel members 32 to constitute a rack for supporting articles or the like and the upper flanges 36 of the members 32 have fixed thereto by welding the upper plate 37 which serves as an article support and also constitutes means to prevent spreading of the channel members 32 while the rear ends of the cabinet are prevented from buckling by the upper brace 38 which is welded to the rear walls 39. To provide further rigidity to the support or casing S and to improve the appearance thereof the longitudinal front wall 40 is provided. This wall 40 is suitably welded to the channel members 32 and has secured thereto by welding the forward part of closure plate 37 which includes an extension 41 overhanging the front wall 40 of the support and a depending flange 42 disposed to the rear of the channel front brace 13.

With the construction disclosed, the entire cabinet C may be moved vertically relative to the hollow casing or support S where it is desired to take up any clearance between sink 45 and the upper part of the cabinet. In this connection, doors 16 are opened and access is conveniently had to the clamping nuts 46 mounted on the threaded shanks 29. These nuts are loosened to relieve the clamping action of the spring lock washers 47. With all the nuts 46 loosened, the cabinet may be slidably guided vertically relative to support S. During such movement shanks 29

are disposed in slots 28 in the spaced channel members 27 and thus the cabinet is rectilinearly guided relative to the rectangular support S. Having adjusted the cabinet to the desired elevation, the cabinet may be definitely set in such a position by tightening nuts or clamping members 46 against the transverse fixed slotted walls 27 to be clamped against the channel members 32 and thus holding the cabinet in a desired elevated relation in respect to the support. It should be noted however that the heads 31 of the bolts 30 are of non-circular cross section and are held in a non-rotatable relation during manipulation of nuts 46, in that the flat faces 48 of flat heads 31 are disposed against the flat under surface of the upper flanges 36 having depending downwardly bent tongues 49 which facilitate to resist involuntary longitudinal displacement of clamping bolts.

Without further analysis, the foregoing disclosure will so fully reveal the gist of the present invention that others may by applying current knowledge readily adopt it to various applications without omitting certain features, that from the standpoint of the prior art, fairly constitute the essential characteristics of the generic and specific aspects of the invention and therefore such adaptations should and are intended to be comprehended within the meaning and range of equivalency of the following claims.

I claim:

1. In combination, an elongated unitary support having outer side walls, a hollow cabinet including spaced and fixed and transversely arranged partitions closely straddling said walls and bodily movable vertically relative to the latter and each having spaced and vertically arranged slot means, spaced bolt means carried by said walls and projecting through said slot means to vertically guide said cabinet relative to said support, and rotatable clamping means carried by said bolt means to hold said cabinet in a set position relative to said support, said support being disposed centrally of said cabinet and sustaining the entire weight of the latter when elevated relative to said support.

2. In combination, supporting means having transversely arranged and spaced side walls, a hollow cabinet including spaced transversely disposed partitions vertically displaceable relative to said walls, substantially horizontally arranged and spaced bolt means projecting into said walls and partitions for slidably guiding said cabinet vertically relative to said support, and rotatable clamping means mounted on and carried by said bolt means for disengageably clamping said walls and partitions to permit or prevent bodily vertical displacement of said cabinet relative to said support.

3. In combination, an elongated hollow unitary support having spaced side walls, a hollow cabinet including spaced partitions slidably and closely straddling said walls and each having a plurality of vertically arranged slots, bolt means carried by said walls and projecting into said slots for vertically and slidably guiding the elevation of said cabinet relative to said support, and clamping means mounted on said bolt means and cooperating therewith to frictionally engage said walls and partitions to prevent bodily displacement of said cabinet relative to said support.

4. In combination, an elongated hollow unitary support having spaced transverse side walls, a hollow cabinet disposed wholly outside of said support and including spaced transversely arranged partitions slidably straddling said walls and each including a plurality of vertically arranged slots, bolt means carried by said walls and projecting into said slots for slidably and vertically guiding said cabinet relative to said support to permit the elevation of the lower part of said cabinet completely above the lowermost part of said support, and clamping means mounted on said bolt means and cooperating therewith to frictionally engage said partitions and walls to prevent bodily displacement of said cabinet relative to said support, said support being disposed centrally of said cabinet and sustaining the entire weight of the latter.

MAX KORN.