

Feb. 7, 1928.

1,658,291

R. I. KAUTZ
HINGED SUPPORT

Filed March 17, 1925

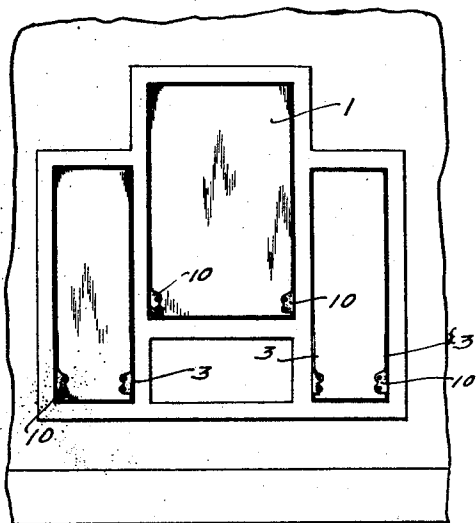


Fig. 1

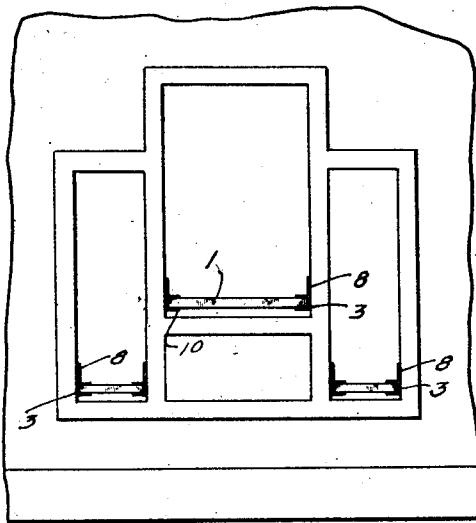


Fig. 2

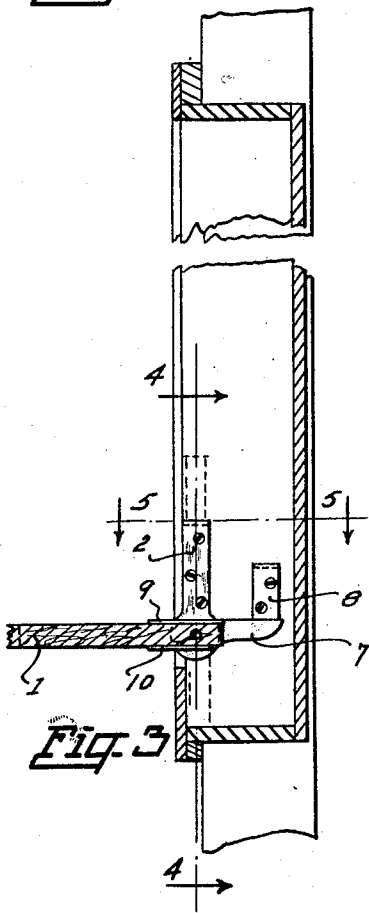


Fig. 3

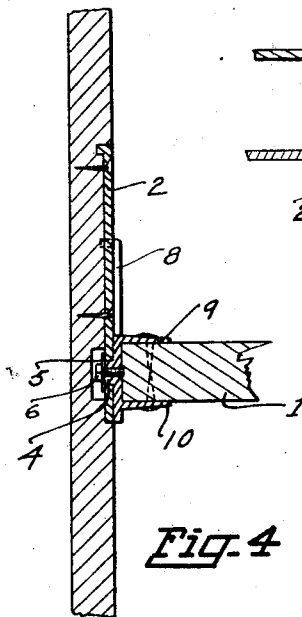


Fig. 4

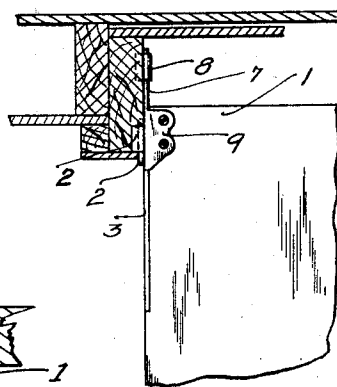


Fig. 5

Inventor
Robert I. Kautz
By his
Attorney
Thomas Riley

UNITED STATES PATENT OFFICE.

ROBERT INGERSOLL KAUTZ, OF BEAVERTON, OREGON.

HINGED SUPPORT.

Application filed March 17, 1925. Serial No. 16,264.

My invention relates to supporting mechanisms for doors, ironing-boards, breakfast tables and built-in devices for domestic purposes and consists primarily of a bearing plate adapted to being maintained within a wall structure, a hinging member adapted to being placed upon the unit to being raised and lowered and a stop member, and a locking threaded member and a washer.

A further object of my invention consists in a new, novel and efficient hinged support that may be easily applied and one that will not easily get out of order.

A further object of my device consists in the relationship between the bearing member and the hinging member and the stop member.

A further object of my invention consists in all of the units except the hinged member being out of vision.

A further object of my invention consists in the simplicity of its construction and the ease with which the same may be applied or erected.

With these and incidental objects in view, the invention consists in certain novel features of construction and combination of parts, the essential elements of which are set forth in the appended claim and to a preferred form of embodiment of which is hereinafter shown with reference to the drawings which accompany and form a part of this specification.

Fig. 1 is a front elevation of a breakfast table and seats, of the built-in type, adapted to being raised, out of position and lowered, into working position, the same being shown in raised position.

Fig. 2 is a front elevation of the mechanism shown in Fig. 1 with the table and seats shown lowered, for use.

Fig. 3 is a fragmentary, side elevation, showing my new and improved hinged support, in position.

Fig. 4 is a fragmentary sectional front view taken on line 4—4 of Fig. 3, looking in the direction indicated.

Fig. 5 is a partial sectional view, taken on line 5—5 of Fig. 3, looking in the direction indicated.

Like reference characters refer to like parts throughout the several views.

1 is a table to which has been attached a set of my hinged supports and 2, is a wall stationary member or plate attached to the structure by suitable fastening means, which are here shown as screws. The wall plate 2 is placed in position by mounting it in a cut out portion in the wall structure. A hinging member or rocking plate 3 provided with a projecting hub 4, which is made to rotate within a suitable journal within the wall member 2, and which is held in place by a collar 5, having a bolt 6, passing therethrough and threaded into the hub 4. There is a projecting or stop arm 7 extending rearward and adapted to engage with a stop lug 8 secured to the wall structure in the line of movement of the arm 7, and is held by suitable fastening means, as screws. The stop 8 is preferably inserted into the wall structure to lend additional bearing strength to the same.

The plate 3 is preferably made as illustrated in Fig. 4 wherein the side members 9 and 10 are formed at right angles thereto to form a pair of spaced parallel leaves which engage either side of the member 1 and give the same additional supporting strength. The size of the leaves 9 and 10 depend upon the character of the element to be supported, and the strength required.

While the device herein shown and described is admirably adapted to fulfill the objects primarily stated, it is to be understood that it is not intended to confine the invention to the one form of embodiment herein shown and described, as it is susceptible of embodiment in various forms, all coming within the scope of the claim which follows.

What I claim is:

A hinged support comprising a wall plate provided with parallel flat surfaces and a laterally disposed annular enlargement protruding beyond its edges at one end thereof; an annular bearing formed through said plate within the area embraced by said enlargement; a second plate provided with one flat face abutting one of the flat faces of the wall plate; an annular hub projecting from the aforementioned face of the second plate and penetrating the aforesaid

bearing; means retaining said hub within said bearing; said second plate being provided with a pair of parallel spaced leaves projecting at right angles from the side opposite the aforementioned flat side, including means on said leaves to secure an element to be supported thereby therebetween; and a longitudinally extending arm formed in alignment with said second plate, adapted for engaging a stationary member thereby limiting the pivotal movement of the last mentioned plate relative to the first mentioned plate. 10

ROBERT INGERSOLL KAUTZ.