Sept. 3, 1929. M. THUM 1,726,778

FURNITURE

Filed Dec. 3, 1924 3 Sheets-Sheet 1

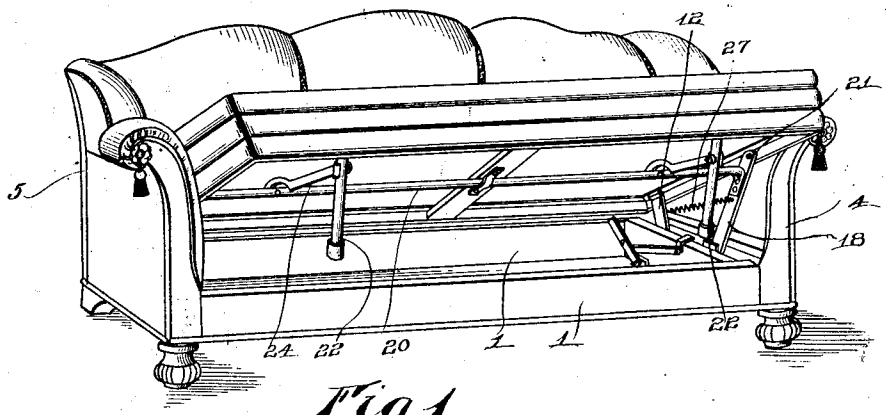


Fig. 1

Fig. 7.

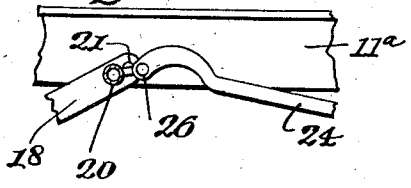


Fig. 2

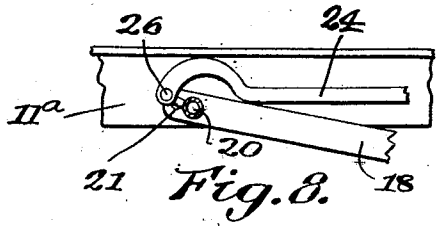


Fig. 8.

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FURNITURE

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Fig. 3

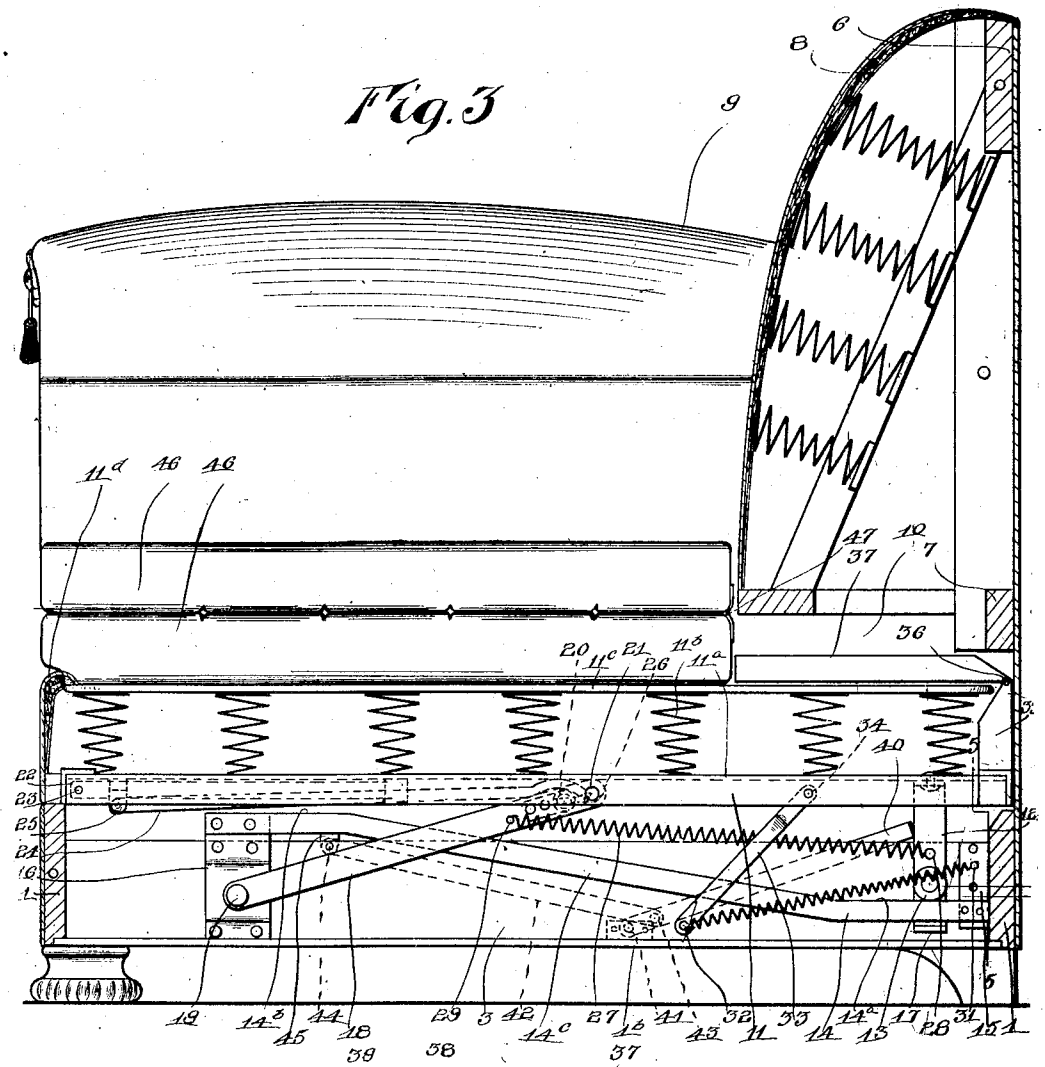
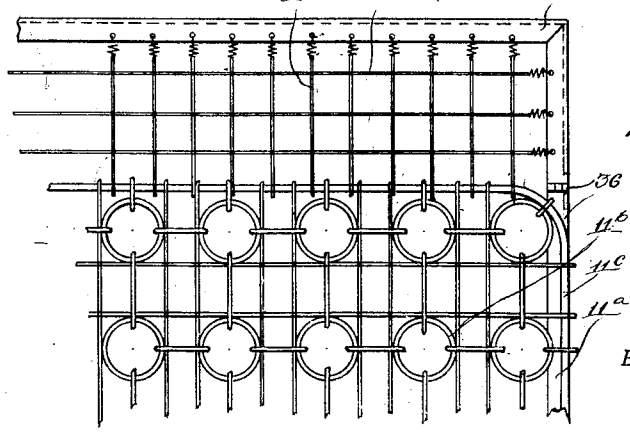


Fig. 4



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FURNITURE

Filed Dec. 3, 1924 3 Sheets-Sheet 3

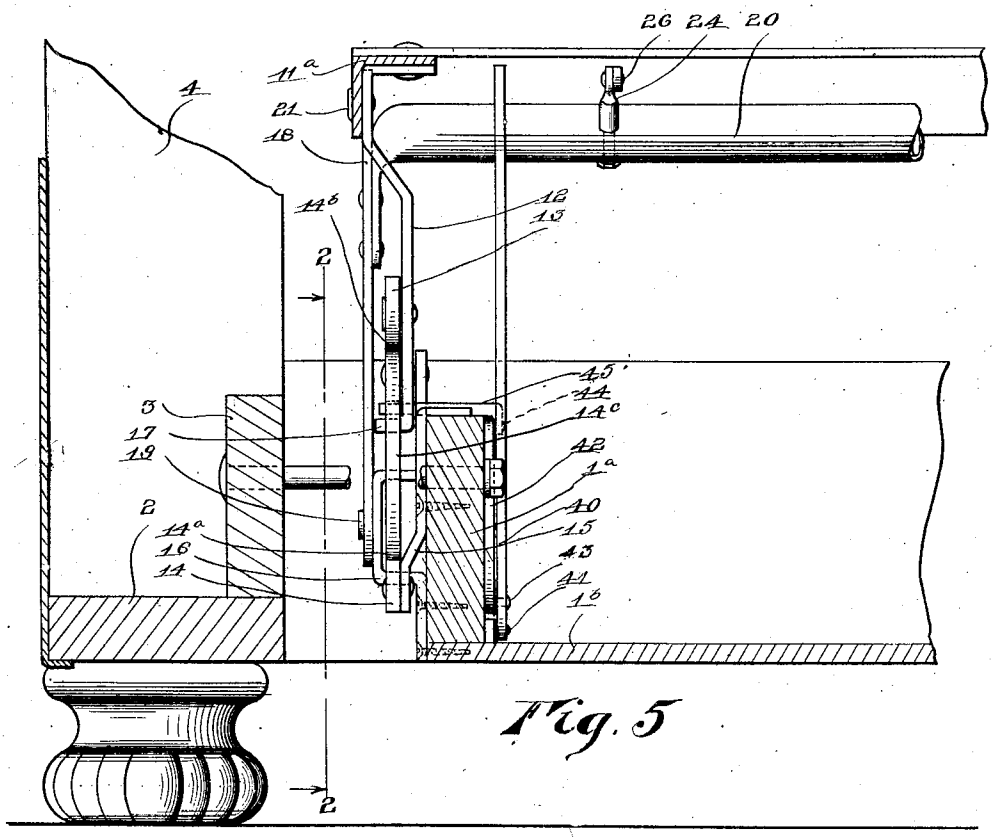


Fig. 5

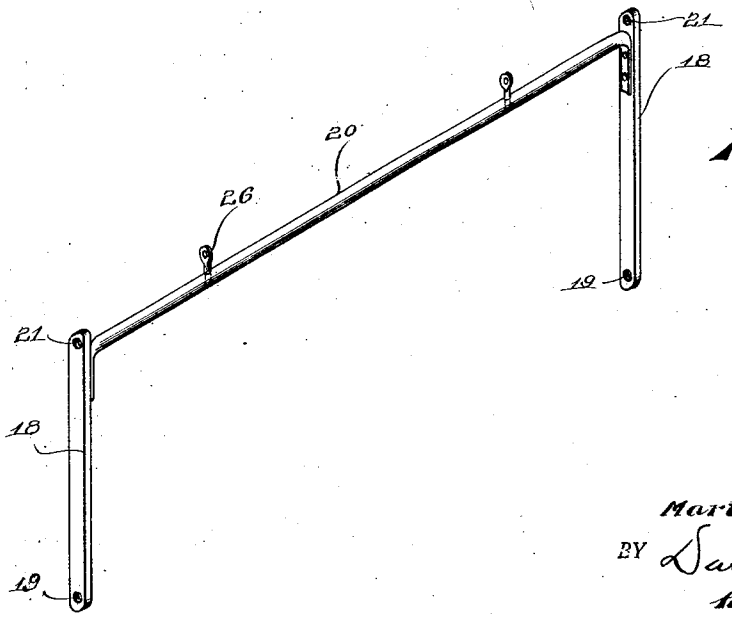


Fig. 6

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Patented Sept. 3, 1929. 1,726,778

UNITED STATES PATENT OFFICE.

MARTIN THUM, OF ROCHESTER, NEW YORK.

FURNITURE.

Application filed December 3, 1924. Serial No. 753,743.

An object of this invention is to provide a construction which will make it possible to obtain a bottom member of maximum width, the bottom member when in its seat forming position having only a portion thereof exposed. Another object of the invention is to provide a construction having an upholstered back with a chamber below said back in which a portion of the bottom member extends when in its seat forming position. A still further object of the invention is to provide a novel means guiding the bottom member from its inner seat forming position to its outer position and vice versa. Still another object of the invention is to provide a supporting means for the bottom member when in its outer position which will fold automatically upon the movement of the bottom member inwardly toward its seat forming position and vice versa. Still another and further object of the invention is to provide a bottom member with an extension which will close the space between the rear end of the bottom member and an upholstered back on the main frame. Still another and further object of the invention is to provide a bottom member with an extension having a supporting means which automatically moves to supporting position upon movement of the bottom member to its outer position, and automatically moves to collapsed condition upon the movement of the bottom member inwardly.

To these and other ends, the invention consists of certain parts and combinations of parts, all of which will be hereinafter described, the novel features being pointed out in the appended claims.

In the drawings:

Fig. 1 is a perspective view of the couch showing the bottom member elevated for the purpose of illustrating operating parts and exposing the receptacle or wardrobe to view;

Fig. 2 is a section on the line 2—2, Fig. 5 showing the bottom member moved to its outer position;

Fig. 3 is a similar section but enlarged and showing the bottom frame in its inner position;

Fig. 4 is a fragmentary plan view of the bottom member;

Fig. 5 is an enlarged vertical section adjacent one end of the furniture showing the bottom member in its outer position; and

Fig. 6 is a perspective view of the swinging guide frame for the bottom member.

Fig. 7 is a fragmentary view showing the positions of the swinging frame and the link when the support for the front edge of the bottom member is in supporting position, and Fig. 8 is a similar view showing the positions of the same parts when the support is folded under the bottom member.

Referring more particularly to the illustrated embodiment of the invention, 1 indicates the longitudinally extending base frame members connected at the ends by transverse pieces 2 and 3 from which front posts 4 and rear posts 5 rise. These base pieces are also connected by transverse pieces 1^a between the cross pieces 2 and 3, and a bottom 1^b connects the cross pieces 1^a and the longitudinally extending pieces 1 to form a receptacle or wardrobe. The rear posts are connected by longitudinally extending members 6 and 7 which support the back upholstery 8, while side upholstery 9 connects the back with the front posts 4. The couch is provided beneath the back upholstery with a chamber or recess 10 and the bottom member 11 which forms a seat for the couch and a bed bottom for the davenport lies when in its inner or seat forming position so as to project into this recess or chamber while, at the same time, covering the receptacle or wardrobe formed between the two frame members 1. This bottom member embodies, in this instance, a spring-supporting frame 11^a on which springs 11^b are supported, these springs 11^b being connected at their tops by a top frame 11^c. Upholstery 11^d connects the frame 11^a at the outer edge of the bottom so as to hide the springs from view. The bottom member is of such width that when in its innermost position, it lies above the longitudinally extending frame pieces 1, resting upon the front of such frame pieces at its inner side. This bottom member may be supported by two depending supports 12, each of which has a roller 13 journalled on the outer face thereof to engage with a track 14, there being one of these tracks lying between each set of transverse pieces 1^a and 3, said tracks having their inner ends supported by brackets 15 and their outer ends

supported by brackets 16. Each track has an inner horizontal portion 14^a, an outer horizontal portion 14^b in a higher plane than the inner portion 14^a and an inclined or central portion 14^c connecting said two horizontal portions 14^a and 14^b. When the bottom member is in its innermost position, the roller 13 rests upon lower horizontal portion 14^a and is held to such track or guide by a lip 17 bent laterally from the lower end of the support 12 beneath the track or guide 14. This straight portion 14^a permits the spring frame to move horizontally in moving to its upper position in order to be withdrawn from the chamber or recess 10 without engaging with the back upholstery 8, thereafter the rear end of the frame travels upwardly on the inclined guide or track 14^c until it reaches the horizontal portion 14^b where it finally comes to rest when the frame has reached its upper position. In order to assist in guiding the bottom member from its lower to its upper position and vice versa, there is provided in front of the rear supports 12, a swinging frame which, in this instance, comprises two arms 18 pivoted at 19 to the brackets 16 to which the forward ends of the guides 14 are secured and connected by a horizontal connecting bar or portion 20, the outer ends of the arms 18 being pivoted at 21 to the sides of the rectangular base 11^a of the bottom member. In this way, as the bottom member 11 moves outwardly, it is also swung on the rollers 13 as fulcrums so that the forward end of the bottom member clears the front part of the couch. This arrangement also makes it possible to lift the bottom member at its forward edge in order to gain access to the receptacle or wardrobe beneath the spring frame.

In order to support the bottom member beyond the front of the couch, when the spring frame is in its outer position, two legs or supports 22 may be provided pivoted at 23 to the base portion 11^a of the bottom member so as to move either toward or from their supporting positions. This movement of the legs either toward or from their supporting positions is controlled preferably by links 24 pivoted at 25 to the legs and at 26 to the bar 20 of the swinging frame, the pivots 26 being provided on projections 26^a extended upwardly and from the horizontal connecting bar or rod 20. The purpose of so mounting the pivots 26 is to permit them to be brought as close as possible to the line of the pivots 21 although still lying so that when the pivots 26 swing in an arc this arc will be slightly above the pivots 21 as will be seen by referring to Figs. 7 and 8. By bringing the pivots 26 nearly in line with the pivots 21, it is not necessary to extend the arms 18 any material amount above their pivots 20 as this would require a wider angle iron or cause the links 24 to engage the angle iron or the under side of bottom member. In this way, as the bottom member moves inwardly, the legs 22 are caused to swing inwardly, and, as the bottom member moves outwardly, the legs are caused to move to supporting positions.

With the end in view of assisting in the initial movement of the bottom member, away from its inner position, there are provided at opposite ends of the bottom member, two helical springs 27 each secured at one end at 28 to a support 12 and at the other end at 29 to one of the swinging arms 18. When the bottom member is in its outer position, this spring is substantially free from tension, but as the bottom member moves backwardly, this spring is placed under tention so that, in the position as illustrated in Fig. 3, the tension is such that it tends to assist in moving the bottom member towards its outer position.

With the end in view of providing means for assisting in moving the bottom member to its inner position, there are provided at opposite ends of the bottom member, springs 30 which are free from tension when the parts are positioned, as shown in Fig. 3, the inner end of this spring being secured at 31 to the bracket 15 and the outer end being secured at 32 to the swinging end of a link 33 which is pivoted at 34 to the base frame 11^a of the bottom member. This link 33 tends as the bottom member is moved towards its upper position to swing on its pivot 34 without placing the spring 33 under tension, thereafter as the bottom member moves outwardly, the spring is placed under tension and finally occupies the position shown in Fig. 2 where it tends to assist in moving the bottom member to its inner position.

When the bottom member is in its outer position, its rear edge lies in spaced relation to the front face of the back upholstery 8 and in order to close this space short posts 35 may be projected upwardly from the spring frame 11^a and have a bottom extension pivoted thereto at 36. This bottom extension is preferably in the form of a U shaped frame 37 the arms of which are pivoted at 36 and are connected by wire strands 38. Wire strands 39 connect the rear edge of the frame 11^c with the connecting piece between the arms. This arrangement permits the extension frame to swing over the top of the bottom member 11, as shown in Fig. 3, or to be extended as shown in Fig. 2 to close the space between the bottom member 11 and the back upholstery.

For supporting the extension in the position shown in Fig. 2, there may be provided at opposite ends of the couch two supports 40 pivoted at the lower ends at 41 and having, when in upright positions, their upper ends lying in positions to support the extension 37.

These supports are moved out of the way through the bottom frame 11 which engages them on its movement to the inner position. Movement of the supports to supporting positions is obtained by links 42, each pivoted at 43 to a support and having its other end pivoted at 44 to a slide 45 which moves on the top of a transverse piece 1^a and lies in the path of the extension 17 on a rear support 12 so that as the bottom approaches its outer position, this will cooperate with the slide 45 and through such slide pull on the link or bar 42 so as to swing the support 40 to its supporting position.

Two cushions 46 may be provided hinged together at 47. These cushions, in this instance, each having a width equal to the distance between the back upholstery and the front of the frame and less than the width of the bottom member 11. Their combined widths are equal to the combined widths of the bottom member 11 and the extension 37 so that when the bottom member is in its inner position, the folded cushion will abut the back upholstery, whereas when the bottom member is in its outer position, the upper part of the folded cushion may be swung rearwardly to abut the bottom upholstery.

The operation of the invention will be understood from the foregoing, but it may be summarized as follows: Assuming that the parts are in the positions, shown in Fig. 3, and it is desired to make a bed out of the couch, the bottom 11 is lifted at its front edge and pulled forwardly. This causes the links 18 to swing on their pivots and the rollers 13 to travel on the tracks 14, first on the portions 14^a, then up the inclined portions 14^c and onto the outer horizontal portions 14^b. As the links 18 swing the connecting portion 24 acts on the supports or links 22 and causes the latter to swing so that finally the legs occupy the positions shown in Fig. 2. After the bottom member 11 has been moved to its outer position, the bottom extension 37 is swung or moved to its outer position. As the rollers 13 enter upon the horizontal portions 14^b of the trackways, the extensions 17 engage the slides 45 and shift the supports 40 upwardly. When the bottom member 11 is in its inner position the springs 27 are under tension, and, as a consequence this spring tends to assist in moving the bottom member 11 outwardly. When the outer position is reached, this spring 27 is not under tension. The springs 30, which in the inner position of the bottom member 11, are not under tension, are upon the outward movement of the bottom member 11 placed under tension as illustrated in Fig. 2, so that such springs 30 tend to assist in moving the bottom member 11 to its innermost position. After the outermost position of the bottom member is reached, the extension bottom 37 is swung rearwardly onto the supports 40 and thereafter the uppermost cushion 46 is swung to the rear to close the space between the front cushion and the back upholstery.

What I claim as my invention and desire to secure by Letters Patent is:

1. In furniture, the combination with longitudinal extending base members, posts connected to said base members, and transverse pieces connecting said base members on the inner sides of the posts, of tracks spaced from said transverse connecting pieces between their ends, means for supporting the tracks at their ends, a bottom member, supports depending from said bottom member and having portions operating on said guides and portions depending in the spaces between the guides and the transverse members to cooperate with the guides and the transverse members to prevent the portions of the supports operating on the guides being disconnected from the latter.

2. In furniture, the combination with a frame having front and back longitudinally extending frame pieces, means forming a receptacle extending between said front and back frame pieces, the front and rear walls of said receptacle being formed by said frame pieces, and a bottom member resting, when in its inner position, upon the upper and lower edges of said frame pieces and closing said receptacle, of a trackway inclined upwardly and forwardly, means at the rear end of the bottom member for travelling on the trackway to guide such rear end in the movement of the bottom member relatively to the back from an inner to an outer position and vice versa, and a swinging member pivotally mounted on the frame and pivotally connected to the bottom member in advance of the rear of the latter, said pivotal connection being fixed with reference to the bottom member so that as the bottom member is moved along the trackway away from and towards the back, the bottom member swings at its forward free edge to open and close the receptacle.

3. In furniture, the combination with a frame having a back and a chamber below said back, said frame also having a receptacle in the bottom thereof extending under said back, of a trackway having a lower horizontal portion extending beneath said back, an inclined portion rising from said lower horizontal portion and an upper horizontal portion at the outer end of said inclined portion, a bottom member, a support at the rear of said bottom member having a portion travelling on said track to guide such rear end in the movement of the bottom member from an inner to an outer position and vice versa, and a swinging member pivotally mounted on the frame and pivotally connected to the bottom member in advance of the support, said pivotal connection being fixed with reference to the bottom member so that as the bottom

member is moved along the trackway the bottom member swings at its free edge to open and close the receptacle.

4. In furniture, the combination with a frame having a receptacle in the bottom thereof and a bottom member for closing said receptacle, of a trackway having a lower horizontal portion, an inclined portion rising from said lower horizontal portion, and an upper horizontal portion, a support on the rear part of said bottom member operating on said trackway to guide such rear end in the movement of the bottom member from an inner to an outer position and vice versa, a swinging member pivotally mounted on the frame and pivotally connected to the bottom member in advance of the support, said pivotal connection being fixed with reference to the bottom member so that as the bottom member is moved along the trackway, the bottom member swings at its free edge to open and close the receptacle, and a spring connected at one end to the swinging member between its pivotal connection with the frame and its pivotal connection with the bottom member and also connected to the bottom member adjacent the rear end of the latter so that said spring tends to assist in the outward movement of the bottom member and eventually reaches a neutral position when the pivotal connection of the swinging member with the bottom member is vertically arranged above the pivotal connection between the swinging member and the frame so that contents of the receptacle may be reached without the bottom member shifting while access to a receptacle is being obtained.

5. In furniture, the combination with a frame having a receptacle, a bottom member, a guide for the bottom member having an inclined portion on which the rear portion of the bottom member moves in travelling from its inner to its outer position or vice versa, a swinging member pivotally mounted on the frame and pivotally connected to the bottom member in advance of its rear portion, said pivotal connection being fixed with reference to the bottom member so that as the bottom member is moved along the trackway, the bottom member swings to open and close the receptacle, and an opening spring connected to the swinging member between its pivotal connection with the frame and its pivotal connection with the bottom member and also connected with the bottom member adjacent the rear end thereof, said spring being arranged to act on the bottom member to assist in the outward movement of the latter and through its connection with the swinging member reaching a point before the bottom member has passed off the inclined trackway and has moved to an extreme outer position where the resistance of the trackway is equal to the pulling power of the spring in order to hold the bottom member in an elevated position at its outer end so as to expose the interior of the receptacle.

6. The combination with a frame, of a bottom member, a track, means at the rear edge of the bottom member moving on said track to guide the bottom member at its rear edge from an inner to an outer position and vice versa, a swinging member pivotally mounted on the frame and pivotally connected to the bottom member in advance of the rear of the latter, said pivotal connection being fixed with reference to the bottom member so that, as the bottom member is moved along the trackway, the bottom member swings at its free edge, and a spring connected to the swinging member between its pivotal connection with the bottom member and its pivotal connection with the frame and also connected to the bottom member adjacent the rear edge of the latter so that the spring has the dual function of holding the rear edge of the bottom member downwardly with reference to the track and assists in the movement of the bottom member from its inner to its outer position.

7. In furniture, the combination with a frame, of a bottom member, a track, a means carried by the rear edge of the bottom member for moving on said track, a swinging member pivotally mounted on the frame and pivotally connected to the bottom member in advance of the rear of the latter, said pivotal connection being fixed with reference to the bottom member so that as the bottom member is moved along the track such bottom member swings at its free edge, supporting means pivotally connected to the bottom member adjacent the free edge of the latter and a connection between the supporting means and the swinging member whereby the supporting means is moved to supporting position on the outward movement of the bottom member and is folded under the bottom member when the latter is moved inwardly.

8. In furniture, the combination with a frame, of a bottom member, two arms each pivotally mounted on the frame and pivotally connected to the bottom member, a connecting bar extending between the arms between the arms below their pivotal connections with the bottom member, a projection extending upwardly from the connecting bar, supporting means pivotally connected to the bottom member adjacent the forward edge of the latter, and a link pivotally connected to the supporting means and pivotally connected to the projection at a point above the pivotal connection of the arms with the bottom member.

9. In furniture, the combination with a frame, a bottom member movable to an inner and outer position on the frame, an extension for the bottom member movably mounted on the bottom member, a trackway in which the bottom member moves, a piv-

otally mounted supporting member pivoted at its lower end and arranged to cooperate at its upper end with the bottom member to support the extension, said supporting member lying in the path of the bottom member so as to be displaced rearwardly as the bottom member moves toward its inner position, and means operated upon by the bottom member in moving to its outer position to swing said supporting member to its supporting position.

10. In furniture, the combination with a frame, and a bottom member, of two arms each pivoted at one end to the frame and at the other end to the bottom member, a horizontal connecting bar connecting said arms below but adjacent their pivotal connection with the bottom member, supporting legs pivoted to the bottom member adjacent the free edge of the latter and between the two arms, and links pivotally connected to said supporting legs below the pivots of the latter and also pivotally connected to said connecting bar at a point above the pivotal connection of the arms with bottom member.

11. In furniture, the combination with a frame having a back, a chamber under the back and a receptacle at the bottom of the frame extending under the back, of a movably mounted bottom member, and means for supporting the bottom member in an inner lower position where it acts as a closure for the receptacle with a portion extending in said chamber under the back, and in an outer position away from said chamber in a higher plane than in its inner position to expose the entire upper surface of the bottom member, said supporting means having provision permitting the rear edge of the bottom member to move in a horizontal straight line into and from the chamber at its rear edge, and said supporting means having provision for causing the forward edge of the bottom member to swing upwardly to open the receptacle as the bottom member moves to its inner or to its outer position.

12. In furniture, the combination with a frame having a rigid back and a chamber under the back, of a bottom member, means for supporting said bottom member in an inner lower position with a portion in said chamber and under the back and its forward portion exposed to act as a seat, and in an outer higher position with the entire top surface spaced horizontally from the back, a cushion supported on the bottom member and projecting above the outer edge of the top wall of the chamber under the back when the bottom member is in its outer position, and an extension frame hinged to the rear edge of the bottom member in a plane with the upper surface of the bottom member to close the space between the bottom member and the back when the bottom member is in an outer position, the extension being movable on the bottom member to lie in the chamber under the back and above the bottom member when the latter is in its inner position.

13. In furniture, the combination with a frame having a rigid back and a chamber under the back, of a bottom member, a receptacle arranged under the said bottom member, means for supporting said bottom member in a lower inner position to close the receptacle with the rear portion thereof in said chamber and under the back and its forward portion exposed to act as a seat, and in an outer higher position with the entire top surface spaced horizontally from the back, a cushion supported on the bottom member and projecting above the outer edge of the top wall of the chamber under the back when the bottom member is in its outer position, and an extension frame for the bottom member hinged to the rear edge of the latter to close the space between the bottom member and the back and movable upwardly in order to expose the receptacle under the bottom member when the latter is in its outer position, the extension being movable on the bottom member to lie in the chamber under the back and above the bottom member when the latter is in its inner lower position.

14. In furniture, the combination with a frame having a rigid back and a chamber under said back, of a bottom member, means for supporting said bottom member in an inner lower position with a portion in said chamber and under the back and its forward portion being exposed to act as a seat, and in an outer higher position with the entire top surface spaced horizontally from the back, a cushion supported on the bottom member and projecting above the outer edge of the top wall of the chamber under the back when the bottom member is in its outer higher position, and an extension frame hinged to the rear edge of the bottom member to lie in the space between the bottom member and the back, said extension frame being adapted to fold upwardly upon the upper surface of the bottom member in rear of said cushion so that, when the bottom member is in its inner lower position, said extension frame will lie in the chamber under the back.

15. In furniture, the combination with a frame having a rigid back and a chamber under the back, of a bottom member, means for supporting said bottom member in an inner lower position with its forward portion exposed to act as a seat, and also in an outer position with the entire top surface spaced horizontally from the back and in a higher plane than in its inner position, a cushion supported on the bottom member and projecting above the outer edge of the top wall of the chamber under the back when the bottom member is in its outer higher position, and an extension frame hinged to the rear edge of the bottom member to lie in the space

between the bottom member and the back, said extension frame being mounted to swing upwardly and lie in the chamber beneath the back.

16. In furniture, the combination with a frame having a rigid back and a chamber under the back, of a bottom member, means for supporting said bottom member in an outer higher position with the entire top surface spaced horizontally from the back and also in an inner position in a lower horizontal plane than its outer position with the forward portion thereof exposed to act as a seat, a cushion supported on the bottom member and projecting above the outer edge of the top wall of the chamber under the back when the bottom member is in its outer position, and an extension frame hinged to the rear edge of the bottom member and mounted to swing so as to be received in the chamber beneath the back.

17. In a structure of the character described, a supporting frame having a back provided with a forwardly over-hanging upper portion, a member movable on the frame from a seat-forming inner lower position to a bed-forming outer higher position in a governed direction in which its inner edge portion initially travels non-convergingly relatively to the under surface of said overhanging portion, means for thus governing the movement of said member comprising a reciprocatingly guided connection between its inner edge portion and the frame, and a vertically swingable link pivotally connecting the frame and said member forwardly of said connection.

18. Furniture comprising longitudinally extending front and back base frame members, end frames connected to said longitudinally extending front and back base frame members, a rigid back connecting said end frames and having a forwardly extending portion arranged above and in spaced relation to the rear longitudinally extending back base frame member, the forward edge of said back being in advance of said longitudinally extending back base frame member to provide a chamber below the back and above the longitudinally extending back base frame member, a bottom member arranged to occupy an inner position with its forward edge over the longitudinally extending back base frame and its rear edge extending beneath the back, tracks inclined upwardly and forwardly and supported between said longitudinally extending front and back base frame members having their inner ends below said front and back base frame members and beneath said back, supports depending from said bottom member adjacent the rear portion thereof and movable on said tracks to guide the rear portion of the bottom member from its inner to an outer position, and means for swinging the bottom member upwardly at its forward edge during its outward movement to open the receptacle.

19. Furniture comprising longitudinally extending front and back base frame members, end frames connected to said longitudinally extending front and back base frame members, a rigid back connecting said end frames and having a forwardly extending portion arranged above and in spaced relation to the longitudinally extending back base frame member, the forward edge of said back being in advance of said longitudinally extending back base frame member to provide a chamber below the back and above the said base frame member, a bottom member arranged to occupy an inner lower position with its forward edge over the longitudinally extending front base frame member and its rear edge extending beneath the back, tracks supported between said longitudinally extending front and back base frame members having their inner ends below said front and back base frame members and beneath said back, said tracks having their outer ends horizontally arranged and their inner ends horizontally arranged and lying beneath the rigid back, the portions of the tracks between the horizontally arranged inner and outer ends being inclined upwardly and forwardly, means carried by the bottom member and movable on said tracks as the bottom member moves from its inner lower to its outer higher position or vice versa, and link means between the front portion of the frame and the bottom member.

20. Furniture comprising longitudinally extending front and back base frame members, end frames connected by said longitudinally extending front and back base frame members, transverse base frame pieces connecting said longitudinal front and back base frame members and providing spaces between them and the end frames, means forming the bottom of a receptacle, the sides of which are formed by the longitudinally extending front and back base frame members and also by the transversely extending base frame pieces, a bottom member arranged when in its inner position to extend from the front to the back base frame members and cover the receptacle formed between them, a rigid back extending betwen the end frames and having a forwardly projecting portion spaced from the upper surface of the longitudinally extending back base frame member and projecting over the receptacle to provide a chamber beneath said rigid back and above the receptacle, tracks supported in the spaces between the transversely extending base frame pieces and the end frames, the inner ends of said tracks being below the upper edges of said transversely extending base frame pieces, supports depending from the bottom member adjacent its rear edge and co-

operating with said tracks to guide the rear edge of the bottom member from its inner to its outer position, and means for supporting the forward edge of the body member as it moves from its inner to its outer position and vice versa, said means causing the free outer edge of the bottom member to swing upwardly as the bottom member moves outwardly so as to expose the receptacle for access.

21. Furniture comprising longitudinally extending front and back base frame members, end frames connected by said longitudinally extending front and back base frame members, transverse base frame pieces connecting said longitudinal front and back base frame members and providing spaces between them and the ends, means forming the bottom of a receptacle, the sides of which are formed by the longitudinal front and back base frame members also by the transversely extending base frame pieces, a bottom member arranged when in its inner position to extend between the front and back frame pieces and cover the receptacle so formed, a rigid back extending between the end frames and projecting over the receptacle to provide a chamber beneath said back, tracks supported in the spaces between the transversely extending base frame pieces and the end frames, the inner ends of said tracks being below the upper edges of said transversely extending base frame pieces, supports depending from the bottom member adjacent its rear edge and cooperating with said tracks to guide the rear edge of the bottom member from its inner to its outer position, means for supporting the forward edge of the body member as it moves from its inner to its outer position and vice versa, said means causing the free outer edge of the bottom member to swing upwardly as the bottom member moves outwardly so as to expose the receptacle for access, and an extension hinged to the bottom member at the rear edge thereof to extend between the bottom member and the rigid back when the bottom member is in its outer position and mounted to swing upwardly in order that access may be obtained to the receptacle when the bottom member is in its outer position.

22. Furniture comprising longitudinally extending front and back base frame members, end frames connecting said front and back base frame members, means forming a receptacle between the front and the back base frame members, tracks extending upwardly and forwardly and arranged between said front and back base frame members on opposite sides of the receptacle, said tracks having their inner ends below the upper edges of the back base frame member, a bottom member arranged to occupy an inner position with its forward edge lying over the front base frame member and closing said receptacle, supports depending from the bottom member adjacent the rear edge of the latter, said supports being movable on said tracks to guide the rear edge of the bottom member as the latter moves from its inner position to its outer position and vice versa, and a link pivoted to the bottom member in advance of the supports and to the base frame to cause the bottom member to open the receptacle as the bottom member moves to its outer position.

23. Furniture comprising longitudinally extending front and back base frame members, transverse base frame pieces connecting the front and back base frame members, means forming a bottom to a receptacle, the upright walls of which are formed by front and back base frame members and the transverse base frame pieces, a bottom member arranged when it is in its inner position to extend between the front and back base frame members and to close the receptacle formed between them, swinging means for guiding the bottom member from its inner position to an outer position on the furniture and for causing the outer edge of the bottom member to swing upwardly as the bottom member moves from its inner to its outer position so as to expose the receptacle for access, and an extension for the bottom member hinged to the rear edge of the latter and mounted to swing upwardly in order that access to the receptacle may be gained when the bottom member is in its outer position.

24. In furniture, the combination with a frame having a receptacle at its bottom and spaces at opposite ends of the receptacle, of a bottom member arranged, when in an inner position, to close said receptacle, tracks arranged in the spaces at the opposite ends of the receptacle and having their rear ends in a lower horizontal plane than their forward ends and below the top of the receptacle, supports depending from the rear edge of the bottom member and movable on the tracks to guide the bottom member from its inner to an outer position, and a link pivoted to the base frame and to the bottom member in advance of the supports.

25. In furniture, the combination with a frame having a front and a back longitudinally extending base frame member, end frames connecting said front and back frame members, transverse base frame members connecting said front and back base frame members in spaced relation to said end frames, a bottom member lying, when in its inner position, above the front and back base frame members, tracks arranged in the spaces on the outer sides of said transverse base frame members and spaced from the latter between their ends, and supports cooperating with said tracks to guide the bottom member from its inner to an outer position, said supports projecting in the spaces between the transverse base frame members and the tracks to prevent lateral displacement of the supports from the tracks.

26. In furniture, the combination with a frame having a front and a rear longitudinally extending base frame member, and end frames connecting said base frame members, of means providing a receptacle between the base frame members spaced from the end frames, a bottom member lying, when in its inner position, above the front base frame member, tracks arranged between the ends of the receptacle and the end frames and extending upwardly and forwardly and having their rear ends below the upper edge of the receptacles, supports depending from the rear edge of the bottom member and movable on said tracks, and a link pivoted to the base frame and also to the bottom member in advance of the supports.

MARTIN THUM.