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(54) **FURNITURE ITEM WITH SLIDING
FOLDABLE-AWAY LEAVES**

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(57) **ABSTRACT**

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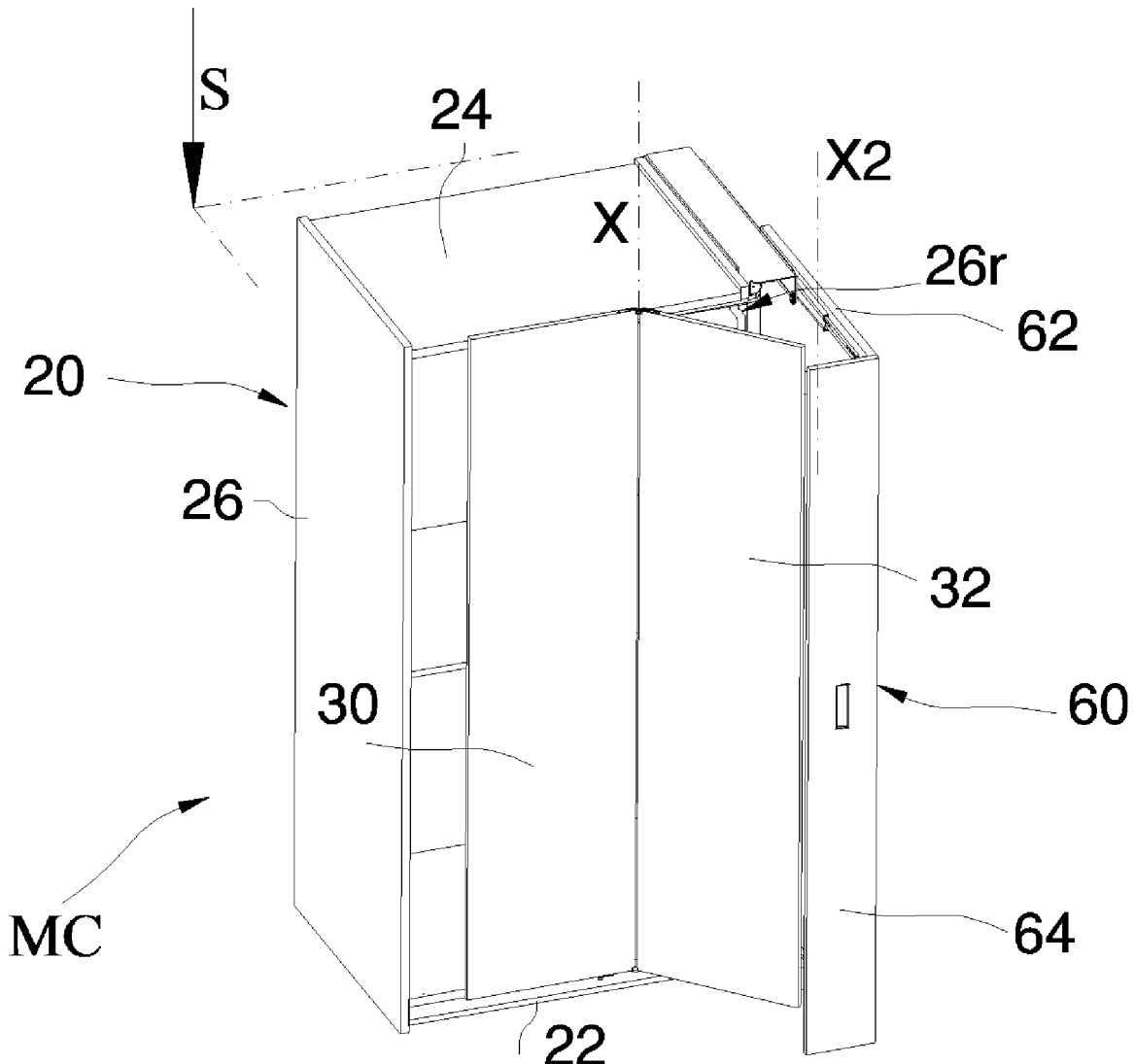
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A furniture item (MC) is described comprising a body defining a compartment (20) with a front opening, a leaf (32) which is slidable and oscillating to close the front opening, and an L-shaped guide (50) comprising two linear segments (52, 54) connected together. The leaf can be moved by a command member (60) translatable parallelly to—and along—said outer side.

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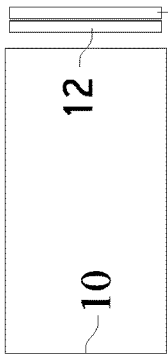


Fig. 1a
(Prior art)

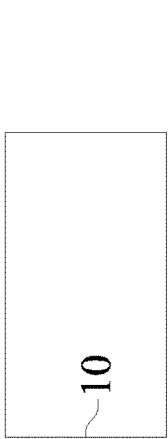


Fig. 1b
(Prior art)

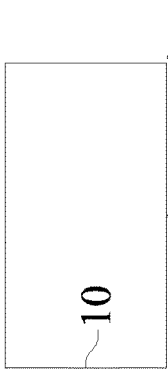


Fig. 1c
(Prior art)

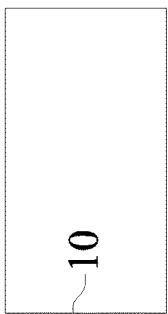


Fig. 1d
(Prior art)

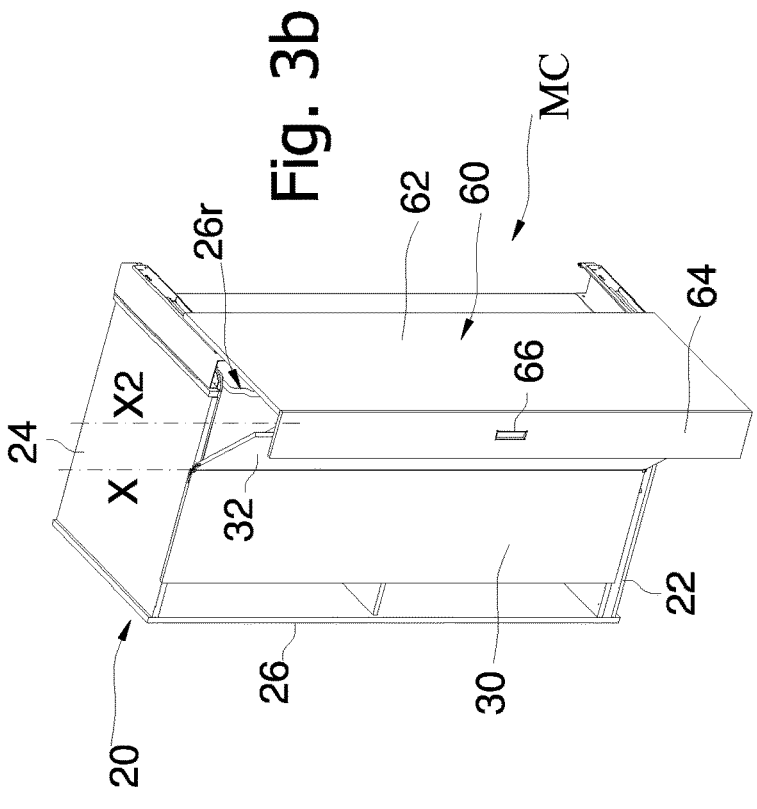


Fig. 3a

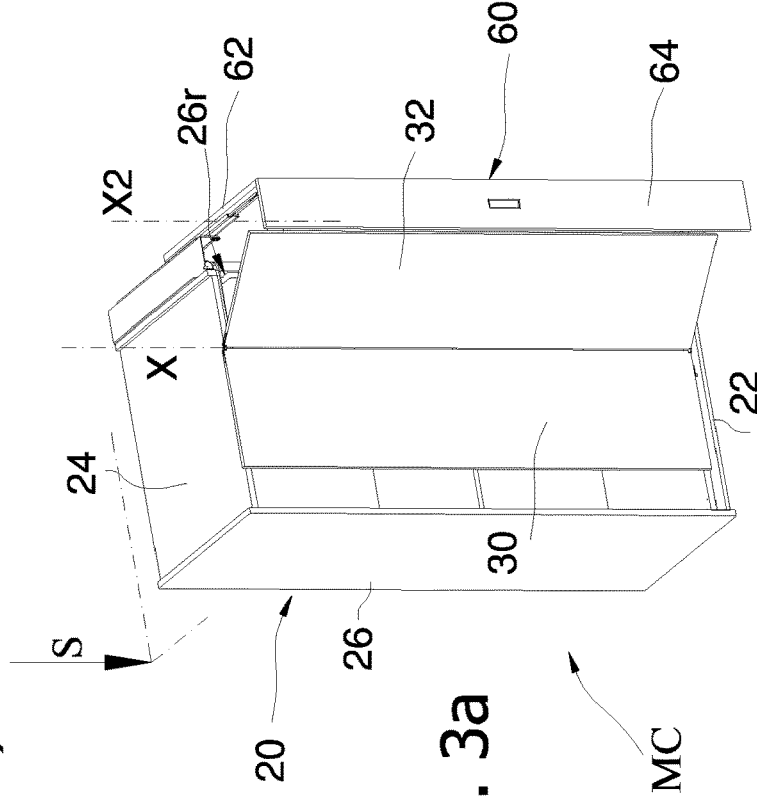
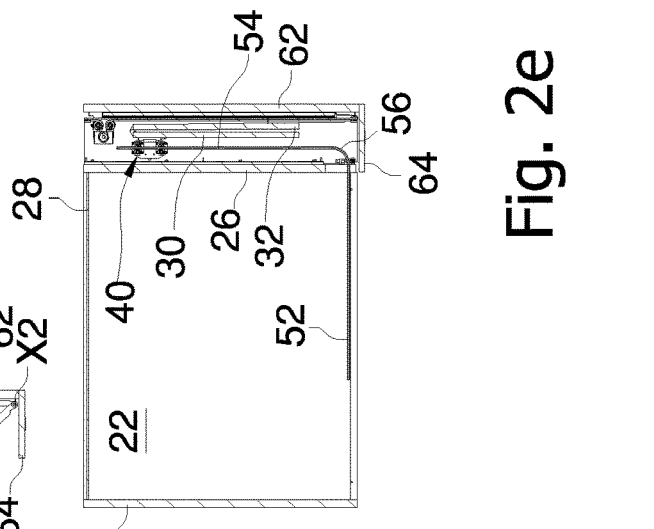
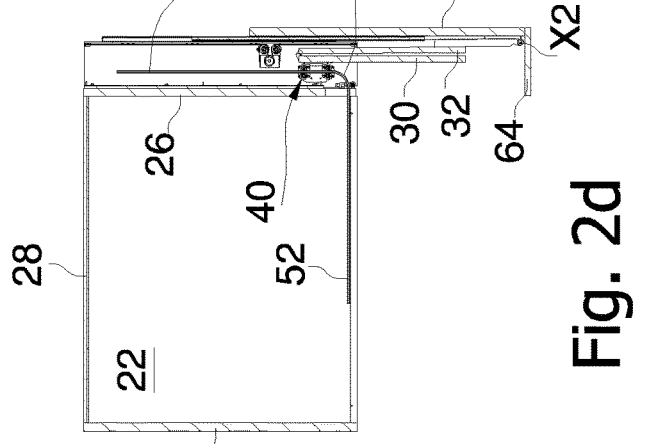
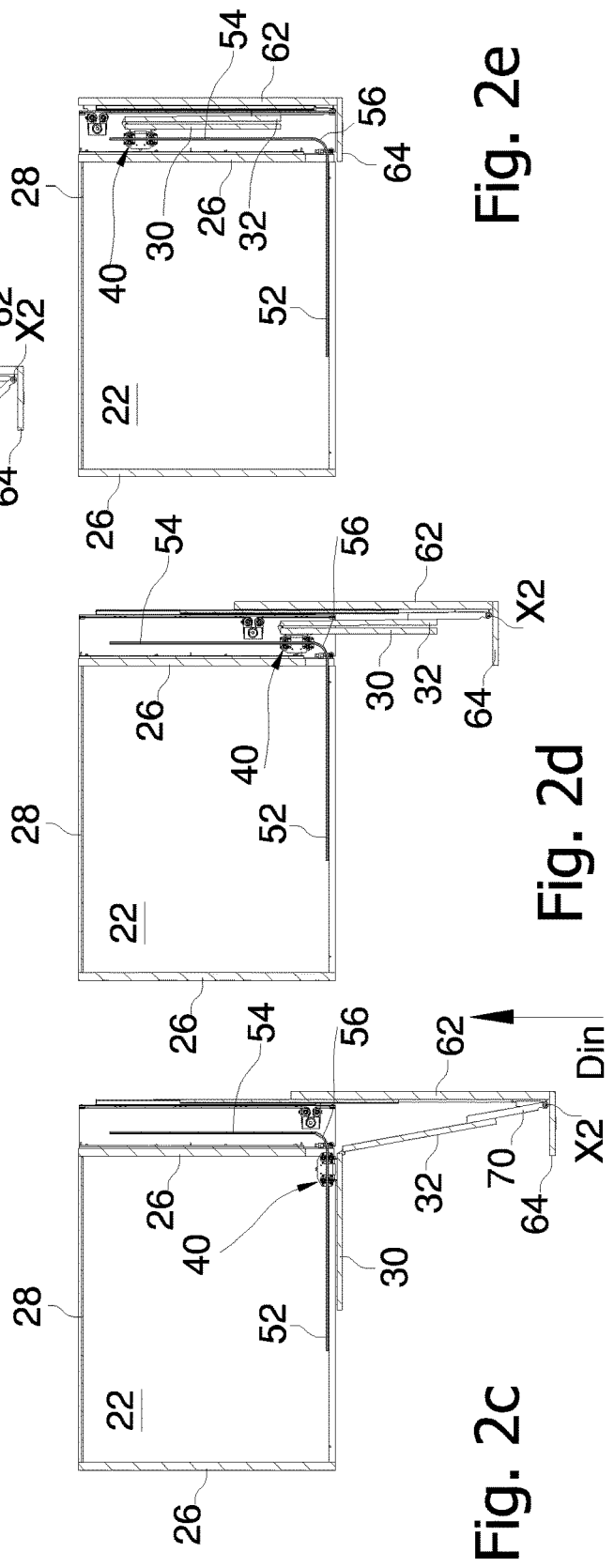
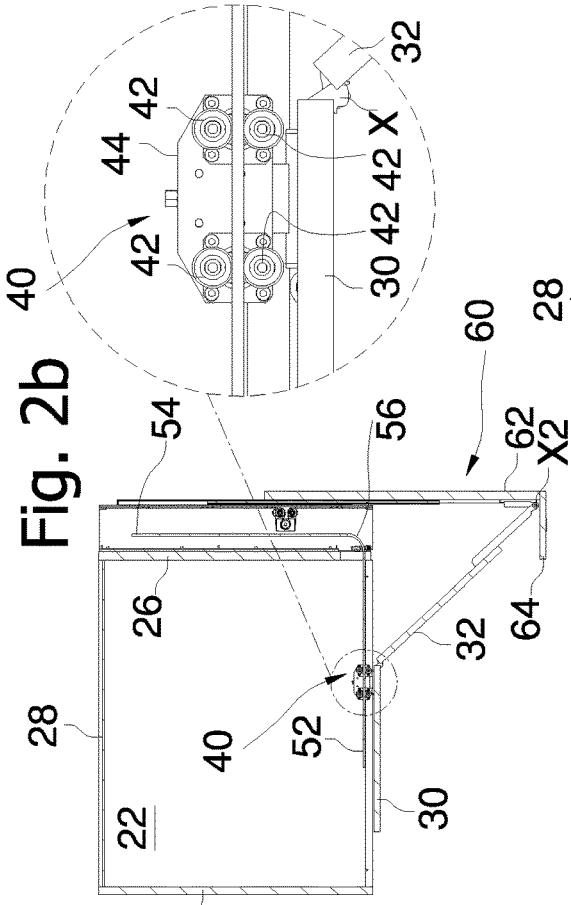
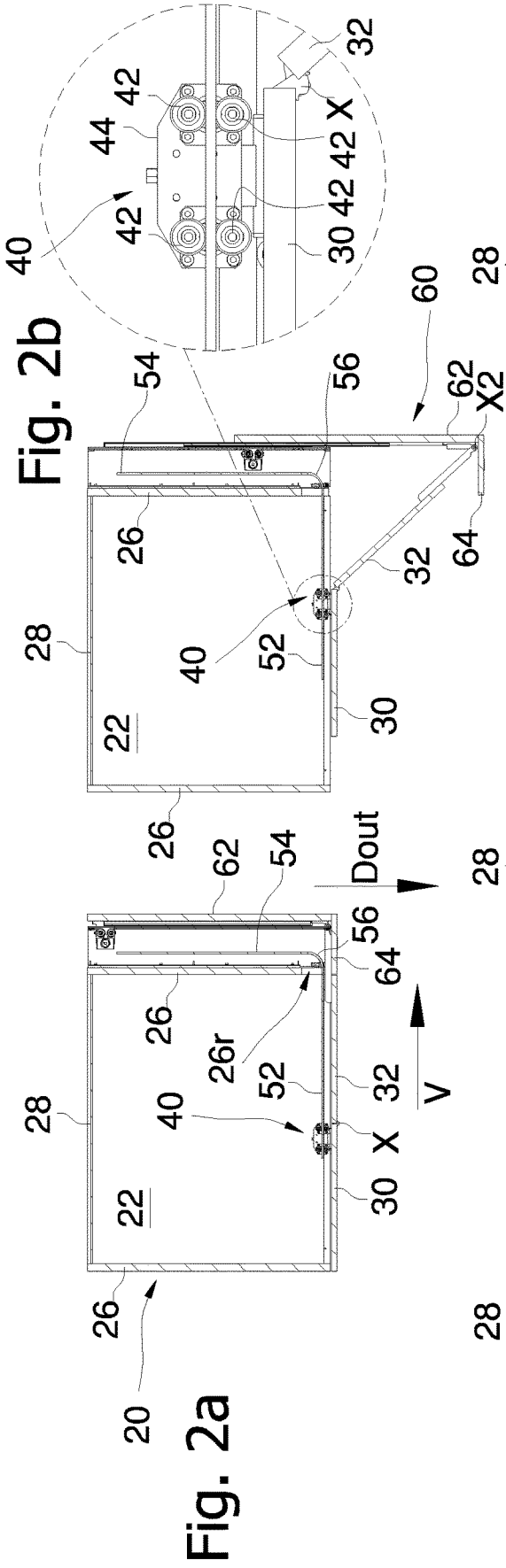
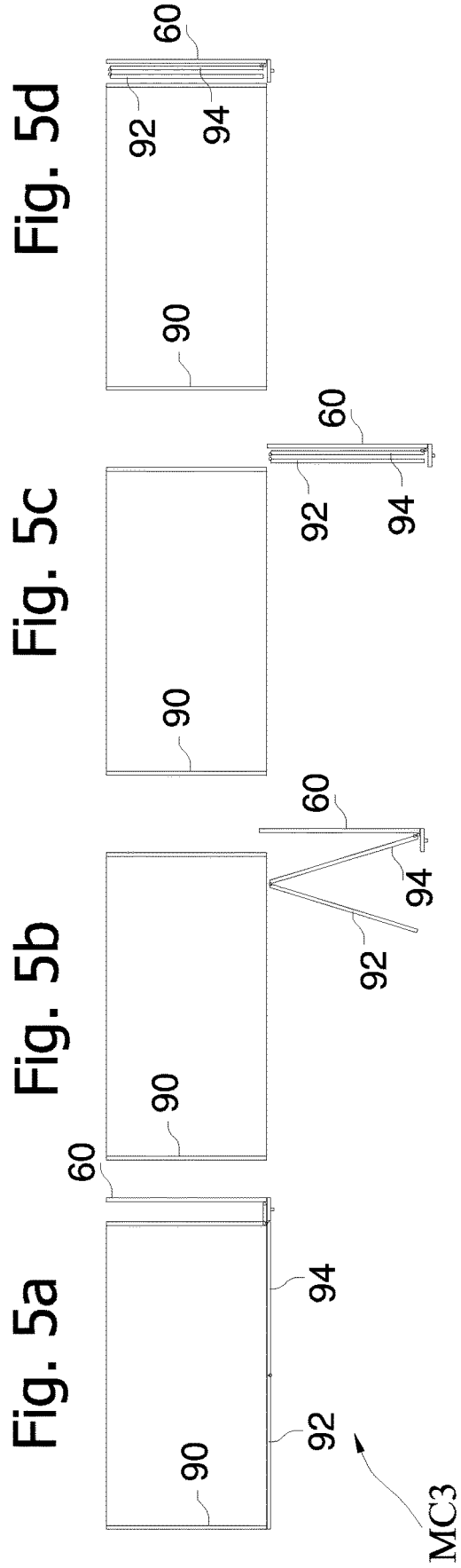
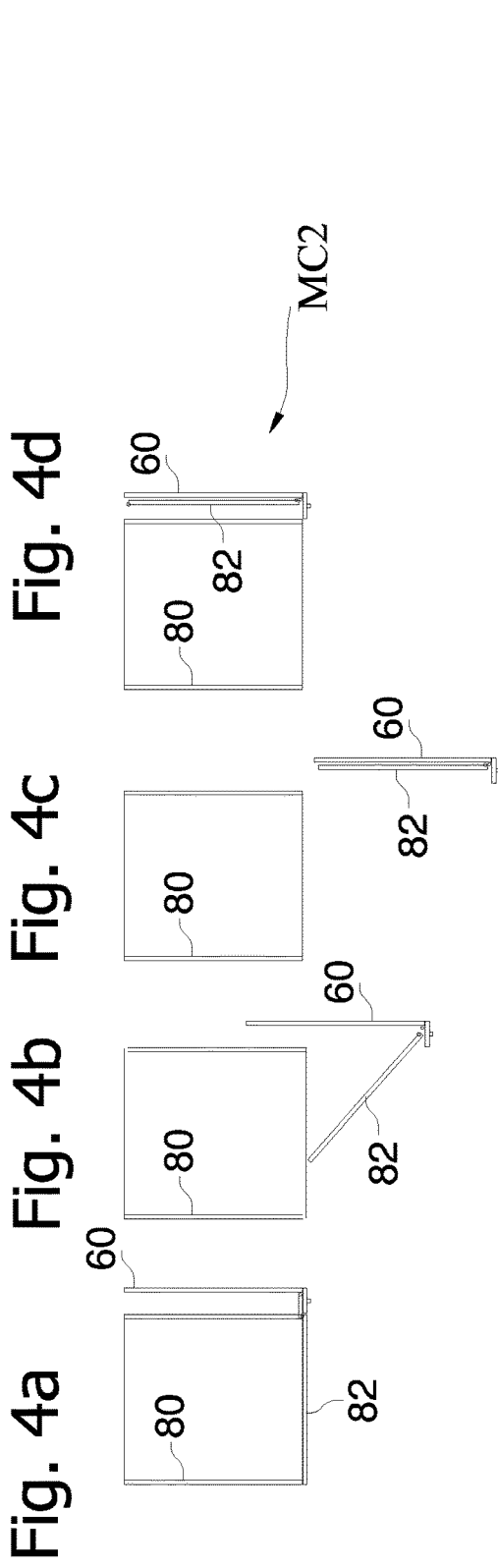
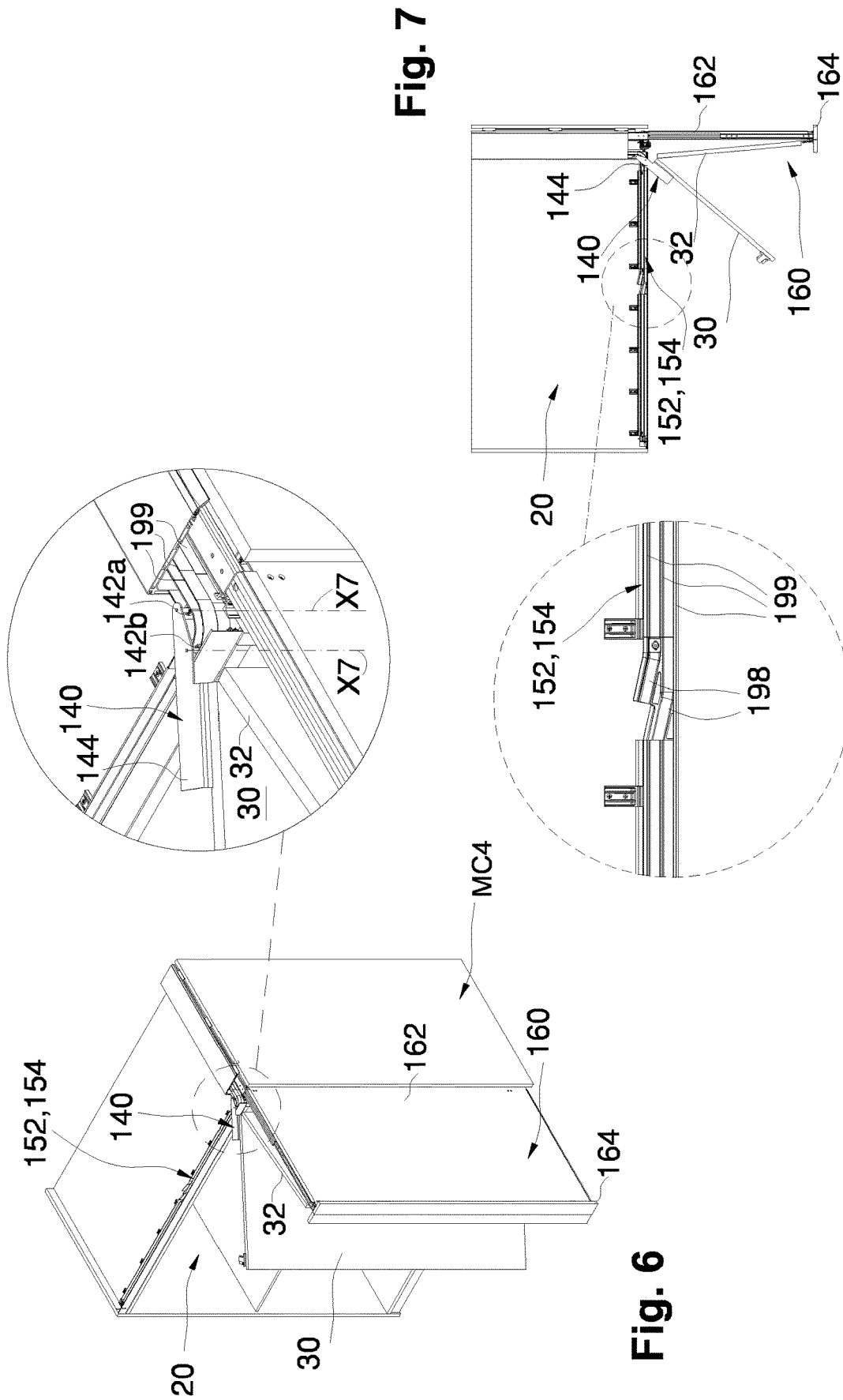


Fig. 3b







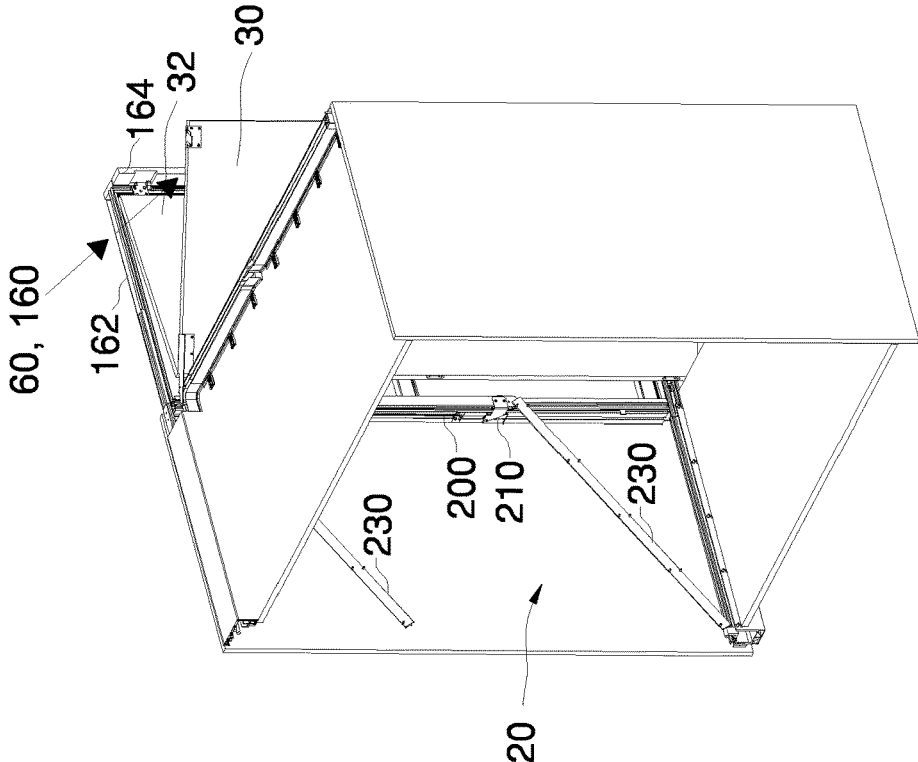


Fig. 8a

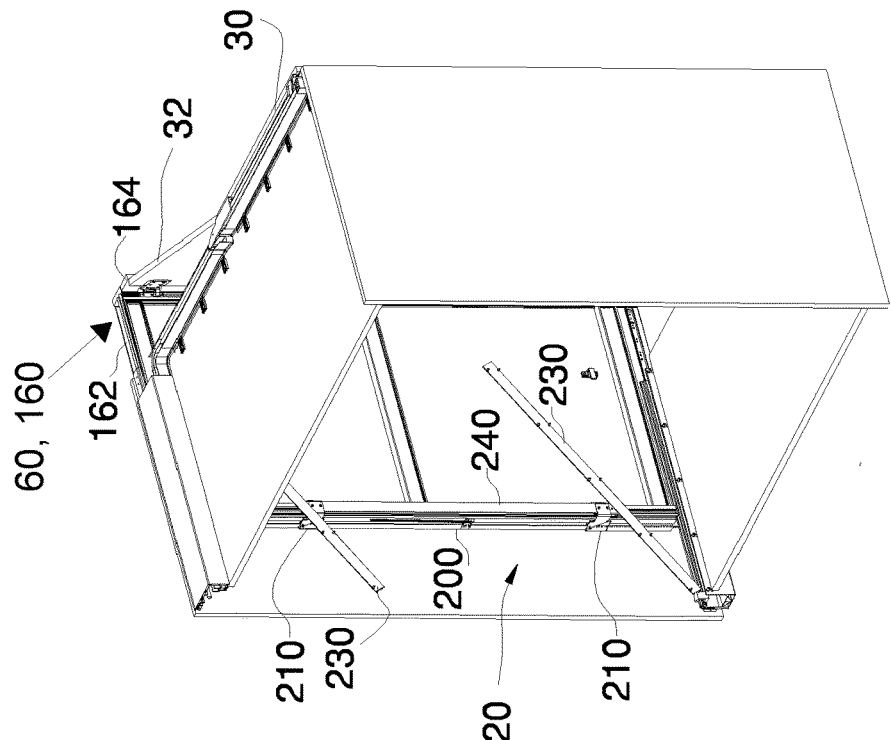


Fig. 8b

FURNITURE ITEM WITH SLIDING FOLDABLE-AWAY LEAVES

[0001] The invention refers to a furniture item with sliding and swinging leaves so as to be folded away, in particular equipped with a compartment closable by the leaves.

[0002] Many pieces of furniture are equipped with sliding and folding leaves to allow a reduction of the dimensions of the leaves themselves in the opening position, thus avoiding the disadvantages of hinged leaves. FIGS. 1a-1d show a plan view of a known conformation, where a compartment 10 has a front opening that can be closed by two sliding and folding-away leaves 12, 14 (FIG. 1a). To uncover the compartment 10 the leaves 12, 14 are moved sideways and rotated about a common vertical hinging axis Q that binds them on the adjacent sides. The Q axis moves away from the compartment (FIG. 1b) as the leaves 12, 14 stack on each other (FIG. 1c) to be moved then to the side of the compartment (FIG. 1d).

[0003] The displacement of the leaves 12, 14 is manual and quite difficult to operate because it requires the user to make various movements on the leaves 12, 14: at least one to stack them and one to push them along the side of the compartment. Even if springs are introduced to let the leaves overcome the dead points of the kinematics and to reduce manual efforts, the complexity of the movement remains unchanged.

[0004] Improving this state of the art is the main object of the invention, which is defined in the attached claims, wherein the dependent ones define advantageous variants.

[0005] Another object is to provide a furniture item, having a compartment that can be closed by sliding and bellows-like folding leaves, which is easy to use, requires few movements for the user and is not tiring during use.

[0006] An item of furniture is proposed comprising:

[0007] a body defining a compartment with a front opening,

[0008] a (vertical or horizontal) leaf which is slidable and oscillating to close the front opening,

[0009] an L-shaped guide comprising two linear segments connected together, wherein

[0010] a first segment is parallel to an edge of the opening, and

[0011] a second segment is orthogonal to the first and arranged at an outer side of said body along the depth of the compartment;

[0012] a command member which is translatable parallelly to—and along—said outer side; wherein

[0013] a lateral edge of the leaf is slidably coupled with the guide, and

[0014] the opposite lateral edge of the leaf is connected in swinging manner to the command member so that an alternate linear motion of the latter moves the leaf into a first position wherein it closes the opening or into a second position wherein the leaf clears the opening and is placed side by side with said outer side.

[0015] In other words, the command member is movable between two positions:

[0016] a rest position in which it is placed in front of the outer side (flank) and substantially does not protrude frontally therefrom, and

[0017] a position in which it is offset horizontally with respect to the outer side (and to the compartment) to protrude frontally from the outer side and from the compartment (the translatable command member is moved to the

direction of the front opening of the compartment and is moved away from the back of the compartment).

[0018] According to a first variant, the furniture item comprises only one leaf. A side of the leaf is slidably coupled with the guide, and the opposite side of the leaf is hinged to the command member about an, e.g. vertical, axis.

[0019] According to another variant, the furniture item comprises a first leaf as defined above and a second leaf connected in oscillating manner to the first leaf (e.g. hinged to each other).

[0020] The first leaf, at its side closest to the second segment, is slidably coupled to the guide. A side of the first leaf is hinged to the translatable command member about a first axis. The opposite side of the first leaf is slidably coupled to the guide, in particular it can be hinged, about a second axis, to the second leaf.

[0021] When the first leaf is not coupled directly to the guide, it is through the second leaf. However, the translatable command member can thus operate the train of leaves by transmitting kinetic energy to them through an alternate translatory movement of its, a movement that occurs parallelly to the depth of the compartment.

[0022] It turns out, then, that in the second variant the leaves are foldable like a bellows about at least one axis, and are sliding between a closing position of the compartment, in which they are arranged coplanar to each other in front of the compartment, and an opening position of the compartment, in which they are folded one on the other and placed along said side or flank of the compartment.

[0023] The leaves are conveniently set in motion by means of an alternating displacement of the translatable command member.

[0024] In both variants, said outer side of the compartment may be a side (flank) or a ceiling or a floor. Thus one or more leaves can be hidden next to the compartment, above the compartment or below it. In the first case the L-shaped guide has both segments arranged horizontally; while in the second case the first segment is horizontal and the second segment is vertical. That is to say, that the aforementioned variants with one or two leaves in turn can be implemented by using leaves fitted for moving horizontally or vertically. In the first case the aforementioned axes are vertical, in the second case they are horizontal. Below, for the sake of simplicity, reference will be made to the case of horizontally moving leaves, it being understood that the second case corresponds to the first one *mutatis mutandis*.

[0025] The first hinging axis is supported by the translatable command member so that it can rigidly move horizontally. Then such first axis is movable horizontally between two end-positions: a resting end-position and an advanced end-position (further from the compartment). To an alternative motion of the translatable command member there corresponds both a displacement of the first axis, which always starts from the first end-position, arrives at the second, and returns again to the first; and a movement of the second axis along the guide. This displacement of the second axis along the guide takes place in a direction and then in the opposite one during two successive alternative movements of the translatable command member. At the first end-position, the first axis is substantially arranged coplanar or close to the plane of the front opening; to this configuration there correspond the closing and opening positions of the leaves. In correspondence of the second end-position, the

axis is spaced orthogonally from the plane of the front opening; to this configuration there corresponds an intermediate position of the leaves.

[0026] Preferably, the furniture item comprises means for rotating the second leaf with respect to the first leaf about the second hinging axis during the movement of the leaves toward the second position. In particular, the means are configured so that said rotation is gradual and synchronized with the translatory movement of one or each leaf. E.g. the furniture item comprises means for rotating the second leaf to/away from the first leaf about the second hinging axis during the movement of the leaves towards the second/first position.

[0027] Preferably, the translatable command member comprises a vertical wall mounted translatable on—and relative to—the compartment to slide substantially parallel to the direction that identifies the depth of the compartment. More preferably, the translatable command member comprises two vertical walls arranged orthogonally to each other and mounted movable on—and relative to—the compartment. In a first variant, the two vertical walls are arranged as an L and mounted movable on—and relative to—the compartment to delimit a second compartment or storage area in which the leaves, when packed, are stored. In a second variant, the two vertical walls are arranged like a T and mounted movable on—and relative to—the compartment to close a second compartment or storage area where the leaves, when packed, are stored. This allows covering the leaves when they are not in use, giving shelter to them from dust and avoiding accidental shocks for their mechanisms.

[0028] Preferably, the furniture item comprises a return element or means for exerting a force on the translatable command member. The return element or means acts to move the translatable command member towards the rest position, or the first end-position. Thus a user just needs to pull towards himself the translatable command member to move it from the first to the second end position, and the translatable command member will automatically return into position when released, pushed by the return element or means.

[0029] Preferably, the furniture item comprises a guide system for the translatable command member. In particular, the driving system comprises

[0030] a first guide, integral with the frame of the furniture item, which is arranged along the direction of the depth of the furniture item,

[0031] a second guide, integral with the command member, arranged along the direction of the height of the furniture item, and

[0032] a member that is mounted to be able to linearly slide simultaneously along the first guide and the second guide when the translatable command member is moved between the two said positions.

[0033] More specifically, the driving system comprises

[0034] as second guide, two parallel bars integral with the frame of the furniture item which are arranged along the direction of the depth of the furniture item,

[0035] two skids mounted linearly slidable along the guides and coupled slidingly to the translatable command member.

[0036] Even more particularly, the two parallel bars are inclined with respect on the horizon and the two skids are

coupled to a vertical guide integral with the translatable command member, so as to be able to slide vertically relative to it.

[0037] Preferably, the skids comprise a, e.g. magnetic, brake or shock absorber, e.g. to generate a resistant force equivalent to a viscous friction when the skid moves.

[0038] To avoid shocks or vibrations, preferably the furniture item comprises a shock absorber to brake the translatable command member when it is ending its travel moving between said rest position and said position in which it is offset horizontally.

[0039] To facilitate assembly, a leaf is coupled to said guide by fastening it on a carriage that is mounted sliding on the guide.

[0040] Preferably the first segment and the second segment of the guide are connected by a curved junction, to favor the sliding of the carriage and/or the guide.

[0041] Preferably the first segment and the second segment of the guide comprise vertical walls, e.g. L-shaped, which delimit two tracks arranged side by side in which are slidable respective wheels rotatably pivoted on the carriage. In particular, the carriage comprises only two wheels, each one engaged in a respective track, which are mounted on the carriage so that the wheel slidable in the innermost track precedes, along the advancement direction, the other wheel. In this way the curve of the L is traveled by the carriage in a more fluid way, and the leaf carried by the carriage is moved outside of the furniture item with a rapid movement as soon as the L-shaped curve is engaged.

[0042] Preferably, the translatable command member is an aluminum frame.

[0043] A simple and robust construction preferably provides that a vertical wall of the furniture item, which constitutes said side or flank, comprises a recess or an inlet in which the connecting junction is placed and through which the carriage can pass to move from a segment to the other.

[0044] The advantages of the invention will be even clearer from the following description of preferred embodiments, referring to the attached drawing in which

[0045] FIGS. 1a-1d show schematically in plan view an opening sequence of leaves for a known piece of furniture;

[0046] FIGS. 2a-2e schematically show a cross-section in plan view, according to the plane S of FIG. 3a, for an opening sequence of leaves for a piece of furniture according to the invention;

[0047] FIGS. 3a-3b show a three-dimensional view of the furniture item relative to FIGS. 2a-2e;

[0048] FIGS. 4a-4d show a closing sequence for leaves in plan view;

[0049] FIGS. 5a-5d show a closing sequence for leaves in plan view;

[0050] FIG. 6 shows a three-dimensional view for a variant of furniture item;

[0051] FIG. 7 shows a plan view of a variant of a furniture item;

[0052] FIGS. 8a-8b show a three-dimensional view from behind of a variant of furniture item in two different configurations.

[0053] In the figures, equal numbers indicate equal or conceptually similar parts, and the elements are described as in use.

[0054] A furniture item MC according to the invention comprises a module (FIG. 3a, 3b) formed by a compartment

20 which defines a space open towards the outside delimited by a bottom **22**, a ceiling **24**, two side vertical walls **26** spaced apart from each other by the width of the compartment **20**, and a rear wall **28**.

[0055] The compartment **20** forms a frontal span which can be stopped up by two leaves **30**, **32** slidable in front of the compartment **20**.

[0056] The leaves **30**, **32** can move bellows-like in front of the compartment **20** to close it or to leave it accessible from the outside. During the movement, the leaves **30**, **32** always remain vertical and vary their relative position and that with respect to the compartment **20**. When the compartment **20** is closed, the leaves **30**, **32** are adjacent to each other and coplanar (FIG. 2a), while to uncover the compartment **20**, the leaves **30**, **32** are movable to be stacked on each other at one side of the compartment **20** (FIG. 2d-2e).

[0057] We indicate conventionally by **30** the most distant leaf from the side of the compartment **20** in which the leaves **30**, **32** can be stacked, while by **32** the leaf closest to such side.

[0058] The adjacent sides (the closest to each other) of the leaves **30**, **32** are hinged together about a vertical hinging axis X. Or the leaf **32** may be hinged to the carriage **40**.

[0059] The leaf **30** is supported only by a carriage **40** which is movable for sliding horizontally and sideways to the compartment **20**.

[0060] The movable carriage **40** comprises e.g. (see enlargement of FIG. 2b) a plate **44** on which there are mounted—according to the vertices of a rectangle—four wheels **42** engaged on an L-shaped planar guide which the carriage **40** can travel back and forth. For stability, the wheels **42** are e.g. arranged in pairs on opposite sides of the guide.

[0061] The guide comprises two straight segments **52**, **54** which are horizontal and orthogonal to each other.

[0062] The first segment **52** is parallel to—and flush with—the front edge of the compartment **20** (or, similarly, to the plane on which the leaves **30**, **32** arrange themselves coplanar and side by side). The second segment **54** is orthogonal to the front edge of the compartment **20** (or, similarly, orthogonal to the plane on which the leaves **30**, **32** are placed side by side). The segment **54** is mounted parallel, adjacent and externally to one of the two walls **26**. The segment **52** and the segment **54** are connected by a junction **56**, preferably curved or cranked.

[0063] The segment **52** is preferably fixed to the ceiling **24**, and in such a way as to remain slightly inside the outer edge of the compartment **20**. The second segment **54** is fixed to the outside of a side wall **26**, which comprises a recess **26r** to allow the assembly of the junction **56** and the passage of the carriage **40** from one linear segment to the other. If the L-shaped guide is mounted above the ceiling **24**, the recess **26r** may be omitted.

[0064] For greater stability, preferably also the base of the leaf **30** is guided by a carriage equal to the carriage **40**, and the two carriages can be moved in a synchronized way. However, other variants are possible, wherein for example there is only or also one carriage similar to the carriage **40** placed at half height of the leaf **30**.

[0065] The leaf **30** is coupled to the carriage **40** at its own vertical edge hinged to the other leaf **32**, i.e. it is the edge of the leaf **30** facing the segment **54** which is fixed to the carriage **40**.

[0066] By what has been mentioned above and with the convention used, the leaf **30** is the only one mounted on the carriage **40** and the leaf **32** is the one closest to the segment **54** when the leaves **30**, **32** are coplanar.

[0067] To simplify the movement of the leaves **30**, **32**, the furniture item MC comprises a movable frame or flank or member **60** (see FIG. 2b), which is linearly translatable—see the translation directions indicated with Din and Dout—along a direction parallel to the wall **26** (or in other words parallel to the segment **54** or orthogonal to the wall **28**). The movable frame or flank or member **60** is linearly translatable e.g. by means of linear guides mounted on the side of the compartment or other known means, e.g. through skids.

[0068] In FIGS. 2a-2e and 3a-3b the member **60** is shown in the variant of a movable side of the furniture item MC, with an L-shaped cross-section when seen in plan view to delimit, with an adjacent wall **26**, a storage compartment for the leaves **30**, **32** when they are packed. According to this preferred variant, the member **60** comprises a vertical lateral wall **62**, about the same size as a wall **26**, and a front wall **64**, orthogonal to the wall **62** and parallel to the wall **28**.

[0069] The end of the leaf **32** opposite the axis X is hinged to the member **60** about a vertical axis X2 (FIGS. 2c and 3a-3b). If necessary, there is a connecting spacer **70**, to compensate for too narrow a leaf **32** with respect to the depth of wall **62**. The element **70** may also be an arm of the hinge which causes the leaves **30**, **32** and the front wall **64** to be planar when the compartment is closed.

[0070] Thanks to the construction described above, the leaves **30**, **32** can then be moved in front of the compartment **20** by actuation of the member **60**, which avoids moving the leaves **30**, **32** by hand in a difficult way or by other means.

[0071] The coupling between the leaf **32** and the member **60** is advantageous because the user just needs to move the member **60** back and forth (e.g. via a handle **66**) to move together the leaves **30**, **32**, from being coplanar (FIG. 2a) to being packed and hidden (FIG. 2e), or vice versa. This simplifies the displacement operations for the leaves **30**, **32**.

[0072] The member **60** is translatable back and forth (directions Din and Dout) parallelly to the vertical wall **26** which mounts the segment **54**, so that the front wall **64** is laid on the front edge of the wall **26** (FIG. 2e) to end up coplanar to the leaves **30**, **32** when the compartment **20** is closed by them.

[0073] Refer to the sequence of configurations shown in FIGS. 2-2e.

[0074] FIGS. 3a-3b illustrate three-dimensionally the configuration of the furniture item MC of FIG. 2b.

[0075] In FIG. 2a the leaves **30**, **32** are coplanar and adjacent to each other, to close the compartment **20**. Now the carriage **40** is on the segment **52** at the end of the stroke.

[0076] To uncover the compartment **20**, the member **60** is gradually extracted away from the compartment **20**, that is, traction of the member **60** is sufficient to extract it (Dout direction) from the item MC (movement towards the user, i.e. recession from the rear wall **28**). This displacement of the member **60** imparts to the leaf **30**, through the leaf **32**, an impulse. The leaf **30** then moves towards the segment **54** (on the right in FIG. 2a), and the carriage **40** moves on the segment **52** (FIG. 2b) towards the junction **56**, determining a horizontal translation of the leaf **30** towards the segment **54** (direction V in FIG. 2a). Meanwhile, the leaf **32** rotates about the X axis to move its vertical edge hinged to the member **60** away from the compartment **20** and to approach

and overlap the leaf 30. As the carriage 40 moves on the segment 52 (FIG. 2c) until it reaches the junction 56, the leaf 32 continues to rotate about the axis X towards the leaf 30.

[0077] The initial motion impulse given by the member 60 not only sets the leaf 30 in motion along the guide but gives it enough kinetic energy to push the carriage 40, which carries the leaf 32, up to the junction 56 (FIG. 2c) and to go beyond it by inertia (FIG. 2d).

[0078] When the junction 56 is reached, the carriage 40 runs through it, passes it and starts to move on the segment 54 (FIG. 2d). During the curve on the junction 56 the leaf 30, integral with the carriage 40, rotates towards the leaf 32 until it becomes orthogonal to its own initial position of FIG. 2a. Meanwhile, the leaf 32 has flattened against the wall 62 of the member 60.

[0079] At this point (FIG. 2d) the leaves 30, 32 are packed on each other and a slight push on the member 60 (direction Din) is sufficient, bringing it back inside the item MC (displacement towards the rear wall 28), to terminate the travel of the carriage 40 beyond the junction 56 (FIG. 2e). During this final run, the carriage 40 moves tangentially and parallel to the wall 26, towards the rear wall 28.

[0080] The carriage 40 continues to travel on the segment 54 (FIG. 2e) up to the end-position opposite the junction 56. In the final position, the leaves 30, 32 are packed on each other and both located laterally to the compartment 20, outside the wall 26 which mounts the segment 54.

[0081] To cover the compartment, the member 60 is re-extracted and the movements of the leaves 30, 32 repeated with inverted order.

[0082] The aforementioned opening or closing operations are not tiring for the user, and the movement of the leaves 30, 32 takes place almost automatically. In both cases of opening or closing the compartment 20, to start the motion of the leaves 30, 32 just a pull of the member 60 is enough to extract it (Dout direction) from the item MC (shift towards the user, i.e. departure from the rear wall 28). This displacement of the member 60 imparts to the leaf 30, through the leaf 32, an impulse that not only sets it in motion along the guide but gives it enough kinetic energy to push the carriage 40 up to the junction 56 (FIG. 2c) and go beyond it by inertia (FIG. 2d), and this holds for the two opposite traveling directions on the L-shaped guide. A slight push on the member 60 is then enough (direction Din), bringing it back into the item MC (moving towards the rear wall 28), to terminate the travel of the carriage 40 beyond the junction 56 (FIG. 2a or FIG. 2e).

[0083] Therefore the accelerated mass of the leaf 30 constitutes a sort of flywheel which allows the carriage 40 to travel along the junction 56 avoiding a dead point (intermediate configuration between about FIGS. 2c and 2d) in which a thrust on the member 60 towards the compartment 20 (see direction Din in FIG. 2c) either does not produce an effect on the leaves 30, 32 or is likely to stall them.

[0084] Preferably, the item MC comprises a return means for the member 60 (e.g. a spring or counterweight) to return the member 60 towards the wall 28 (direction Din). In this way the user is only required to pull towards himself the member 60 until the carriage 40 has passed or entered the junction 56; after which the member 60 can be released and it will end its run, together with the leaves 30, 32, driven by the return means.

[0085] Preferably, the item MC comprises a shock absorber for braking gently the member 60 when it is

terminating its travel in the direction Din. In this way, collisions at the end-positions and too fast jerks are prevented.

[0086] The furniture MC may also comprise a third leaf, to be connected at the tail end of the leaf 30 to form a bellows such as the leaves 12, 14 of FIGS. 1a-1c.

[0087] A piece of furniture according to the invention may also have only one leaf, such as illustrated in the variant of item MC2 of FIGS. 4a-4d. The structure of the member 60, of the carriage 40 and of the L-shaped guide, is the same as the previous one.

[0088] A compartment 80 has a front opening which can be closed by a single sliding leaf 82 (FIG. 4a). The leaf 82 has a side hinged to the member 60 (like the leaf 32) and the opposite side is supported by—and hinged to—the carriage 40 (not shown here).

[0089] To uncover the compartment 80, as before, first the member 60 is pulled so that the sliding edge of the leaf 82 runs along the segments 52, 54 (FIG. 4b), until the leaf 82 flattens out on the member 60 and becomes orthogonal to its original position (FIG. 4c). Then the member 60 is pushed towards the inside of the item MC2 to hide the leaf 82 (FIG. 4d), which ends its stroke on the segment 54 and ends up parallel to the side of the cabinet MC2.

[0090] A piece of furniture according to the invention e.g. may have means to pack automatically the leaves, as illustrated in the variant MC3 of FIGS. 5a-5d. The structure of the member 60, of the carriage 40 and of the L-shaped guide is e.g. equal to the previous one.

[0091] Here a compartment 90 has a front opening that can be closed by two sliding leaves 92, 94 (FIG. 5a). The leaves 92, 94 are connected respectively as the leaves 30, 32 of the item MC, with the addition of a mechanism that, during the packing of the leaves 92, 94 (FIG. 5b), imparts a torque to the leaf 90 to make it rotate about the X axis towards the leaf 94.

[0092] Thus the leaves 92, 94 are already overlapped and coplanar (FIG. 5c) before placing them beside the compartment (FIG. 5d). Another advantage lies in the fact that when the carriage has not yet passed the dead point, the compartment is more open.

[0093] This mechanism can be implemented e.g. with a synchronized hinge, (i.e. a hinge that synchronizes the angular opening of its rotating parts), or with a spring mounted on the X axis to generate the torque.

[0094] The mechanism preferably operates to rotate the leaf 90 in opposite direction during the closing phase of the compartment.

[0095] The mechanism and furniture items MC, MC2 or MC3 are open to many variants. The furniture item MC4 of FIG. 6 and following shows some of them, usable alone or by combining them in one or each variant MC, MC2 or MC3.

[0096] The leaf 30 is supported by a different carriage, indicated with 140, movable for sliding horizontally and sideways to the compartment 20. The connection between the leaf 30 and the leaf 32 is unaltered with respect to e.g. FIG. 3a.

[0097] The movable carriage 140 e.g. comprises (see enlargement of FIG. 6) a plate 144 on which two wheels 142a, 142b are pivoted vertically to rotate about a respective vertical axis X7 (parallel to X and/or X2).

[0098] The wheels 142a, b are—as before—engaged and sliding on an L-shaped planar guide that the carriage 140 can

travel on back and forth. The guide comprises two straight sections **152**, **154** which are horizontal, orthogonal to each other and connected by a curved elbow-shaped segment. Sections **152**, **154** are functionally similar to the segments **52**, **54**.

[0099] The axes X7 of the wheels **142a**, **b** are contained in parallel vertical planes which are slightly offset. Therefore one of the wheels **142a**, **b**, the one that runs on the innermost track, is, with respect to the other wheel, closer to the rear wall **28** and closer to the section **154** too. The wheels **142a**, **b** slide inside a respective track to move the leaves. The relative arrangement on the carriage **140** of the wheels **142a**, **b** is advantageous because when they reach the curved junction of the sections **152**, **154**, the carriage **140** is rotated towards the outside carrying the leaf **30** with it.

[0100] In this variant, the sections **152**, **154** consist of two tracks placed side by side, inside which the wheels **142a**, **b** can be slide in guided manner. E.g. the tracks may be made up of three L-shaped vertical septa **199** arranged side by side.

[0101] Notice how another preferred variant, see FIG. 7, may envisage that the initial part of the tracks for the wheels **142a**, **b** comprises a curve **198**, in correspondence of the position of the closed leaf **30**. The curve **198** deviates slightly the orientation of the tracks towards the rear wall **28**, thus the carriage **140**, at the end-position where the leaves **30**, **32** cover the compartment **20**, is pushed to go back slightly towards the rear wall **28**, thereby making the leaf **30** translate towards the compartment **20**. Thus, the leaf **30**, which while sliding is slightly spaced from the furniture item to slide without obstacles, is adhered to the frame of the piece of furniture for a better closure.

[0102] The frame or flank or movable member **60** (see FIG. 6) may also have a different structure. The variant of frame or sidewall or movable element is indicated with **160**, and is linearly translatable as previously described. Its shape changes, though, in the new example consisting of a vertical side wall **162**, of approximately dimensions equal to a wall **26**, and a front wall **164**, orthogonal to the wall **62** and parallel to the wall **28**. The front wall **164** and the wall **162** form in cross-section a T, i.e. the front wall **164** is attached to a vertical edge of the wall **162** in correspondence of an imaginary midpoint line. The front wall **164** may also be formed of two or more coplanar panels.

[0103] The coupling between the command member, e.g. like the one indicated with **60** or **160**, and the rest of the furniture may vary, while maintaining the same general operation already described.

[0104] E.g. FIGS. **8a**, **8b** illustrate a different way to slidably support the translation of the member **60** or **160**.

[0105] The command member, made e.g. as the member **60** or **160**, is integral with a vertical guide **200** in which two skids **210** are linearly slidable. E.g. the skids **210** comprise a, e.g. magnetic, damper to make the movement of the skid **210** on the guide **200** fluid.

[0106] Each skid **210** is rigidly bound to the other skid, e.g. through a bar **240**, and is slidably constrained to a respective straight bar **230** integral with the frame of the piece of furniture and mounted on the outside of the sidewall **26**. The two bars **230** are parallel, spaced from each other and preferably inclined with respect to the horizon.

[0107] The bar **240** is horizontally sliding without detachment along the bars **230**, and simultaneously sliding vertically on the guide **200** thanks to the skids **210**.

[0108] When the member **60** or **160** moves back and forth (motion *Dout* and *Din*) for moving the leaves **30**, **32**, the sliding skids **210** run along the bars **230**, and as a consequence they go up or down in unison along the guide **200**. In this way the movement of the member **60** or **160** is stabilized to avoid jamming or vibrations.

[0109] Preferably, there is an elastic element mounted between a skid **210** and a fixed point of the furniture frame, e.g. a spring. The elastic element is mounted so as to generate an elastic force to push or pull the skids **210** towards a rest position corresponding to one or each of the end-positions of the member **60** or **160** (i.e. inserted inside the frame of the furniture item or extracted completely from the frame). This elastic element serves to facilitate and/or assist the movement of the member **60** or **160**.

1. Item of furniture (MC) comprising:

a body defining a compartment (**20**) with a front opening, a leaf (**32**) which is slidable and oscillating to close the front opening,

an L-shaped guide (**50**) comprising two linear segments (**52**, **54**) connected together, wherein

a first segment (**52**) is parallel to an edge of the opening, and

a second segment (**54**) is orthogonal to the first and arranged at an outer side of said body along the depth of the compartment;

a command member (**60**) translatable parallelly to—and along—said outer side; wherein

a lateral edge of the leaf is coupled slidably with the guide, and

the opposite lateral edge of the leaf is connected in swinging manner (X2) to the command member so that an alternate linear motion of the latter moves the leaf into a first position wherein it closes the opening or into a second position wherein the leaf clears the opening and is placed side by side with said outer side.

2. Item according to claim 1, comprising only one leaf (**32**), wherein a side of the leaf is slidably coupled with the guide, and the opposite side of the leaf is hinged to the command member about an, e.g. vertical, axis (X2).

3. Item according to claim 1, comprising

a first leaf (**32**) as defined in claim 1 and

a second leaf (**30**) connected in oscillating manner to the first leaf; wherein

a side of the first leaf is hinged to the command member about a first, e.g. vertical, axis (X2), the opposite side of the first leaf being slidably coupled to the guide, and the second leaf, at its side closest to the first leaf, is slidably coupled to the guide.

4. Item according to claim 3, wherein the second leaf, at said side closest to the first leaf, is hinged about a second, e.g. vertical, axis (X) to the first leaf.

5. Item according to claim 3, comprising means for rotating the second leaf with respect to the first leaf about the second hinging axis (X) during the movement of the leaves toward the second position.

6. Item according to claim 1, wherein the translatable command member (**70**) comprises a carriage mounted movable along a slide rail connected to said outer side.

7. Item according to claim 1, wherein the carriage supports two vertical walls arranged as an L-shape and mounted movably on—and with respect to—the compartment for delimiting a second compartment or storage in which the leaves, when folded, are stored.

8. Item according to claim 1, comprising a return element or means for exerting a force on the translatable command member (70) to move it to a rest position.

9. Item according to claim 1, comprising a shock absorber for braking the command member (70) when it is ending its stroke.

10. Item according to claim 1, wherein a leaf (30) is coupled to said guide (50) by fixing it to a carriage (40) which is slidably mounted on the L-shaped guide.

11. Item according to claim 1, wherein the first segment (52) and the second segment (54) of the guide are connected by a curved portion (56) and lie on a, e.g. horizontal, plane.

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