United States Patent

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[54] COLLAPSIBLE COMBINATION BED AND CLOSET

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[52] **U.S. Cl.** ..... **5/2 R,** 5/9 R

[51] **Int. Cl.** **A47c 13/38,** A47c 17/40

[58] **Field of Search** 5/2, 9, 6, 11, 8, 99, 159, 5/160, 174; 211/148; 312/258, 262

[56] **References Cited**

UNITED STATES PATENTS

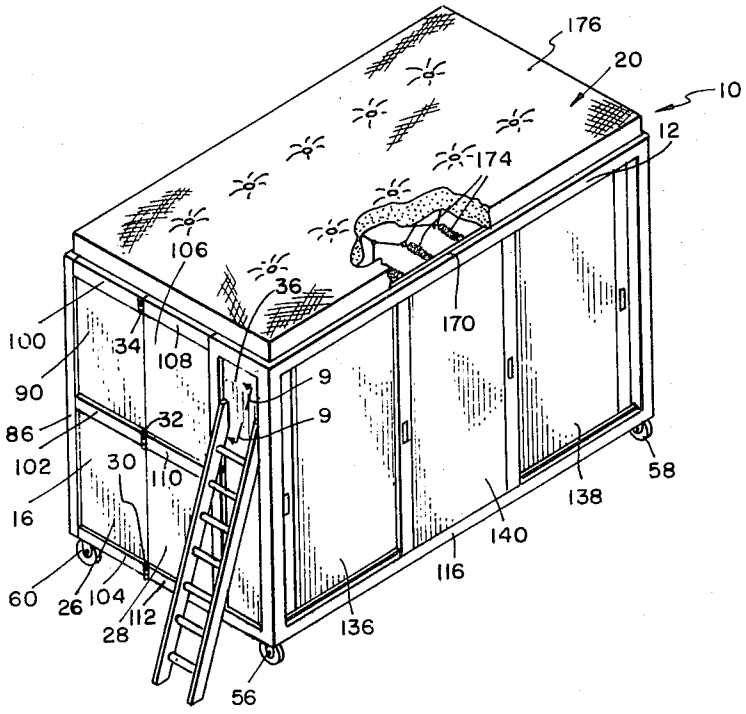
2,934,389	4/1960	Krey	312/262
3,338,648	8/1967	Bannister	5/8
3,381,319	5/1968	Breault	5/99 R

Primary Examiner—Casmir A. Nunberg
Attorney—Robert E. Breidenthal

[57] **ABSTRACT**

A collapsible combination bed and closet comprising upstanding sidewalls connected by inwardly foldable end walls. A sleeping platform in the nature of a padded spring support is pivoted to the top of one of the sidewalls so as to be swung to a storage condition between the sidewalls that does not interfere with inward folding of the end walls. Shelves and clothes rod are detachably mounted to extend between the end walls, and a closable opening is provided in one of the sidewalls for access to the shelves and rod. A collapsible bottom wall including a fixed section is provided and there is sufficient space above and on the fixed bottom wall section (when the end walls are folded) to accommodate storage of the shelves, rod and a ladder.

6 Claims, 10 Drawing Figures



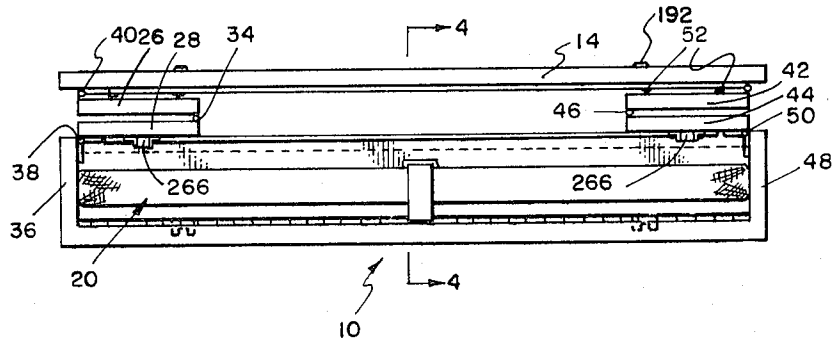
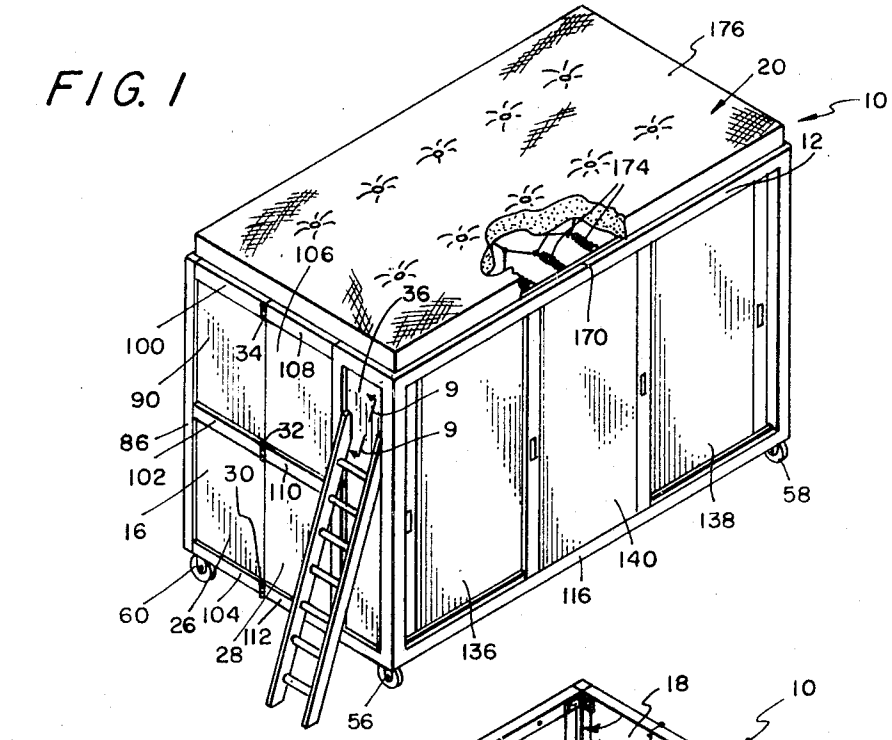


FIG. 1



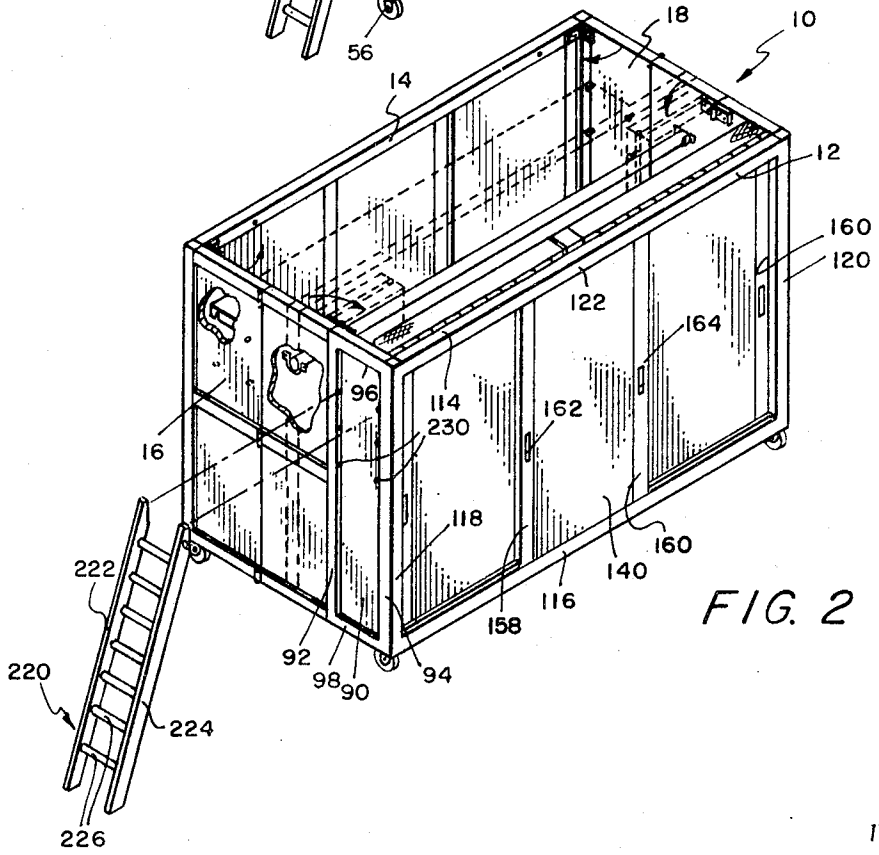


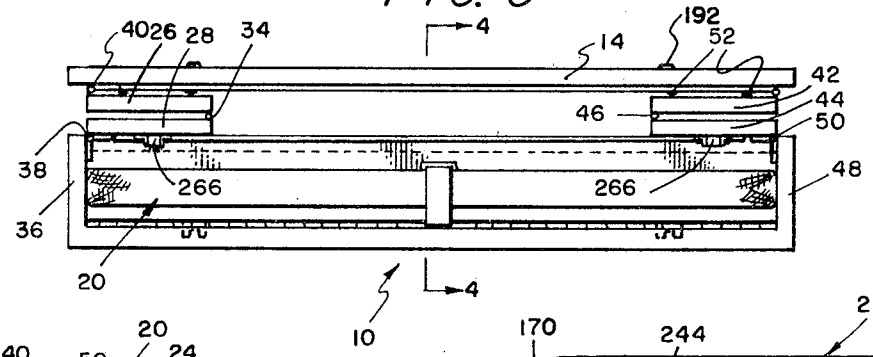
FIG. 2

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FIG. 3



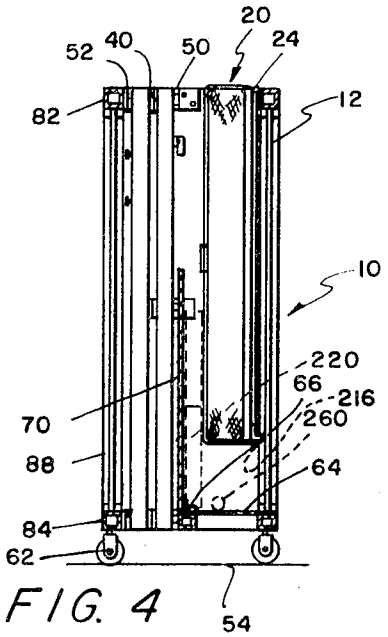


FIG. 4

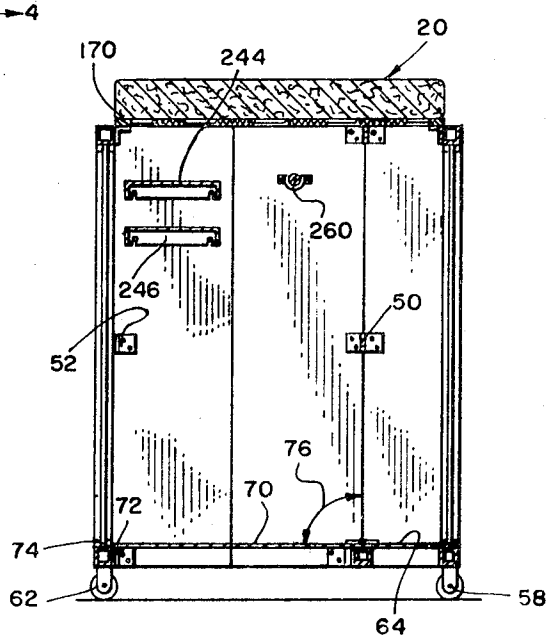


FIG. 5

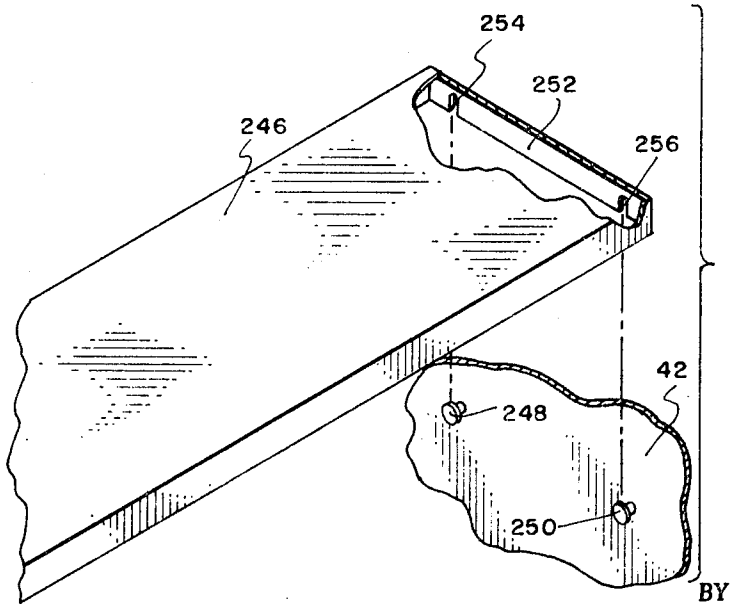


FIG. 6

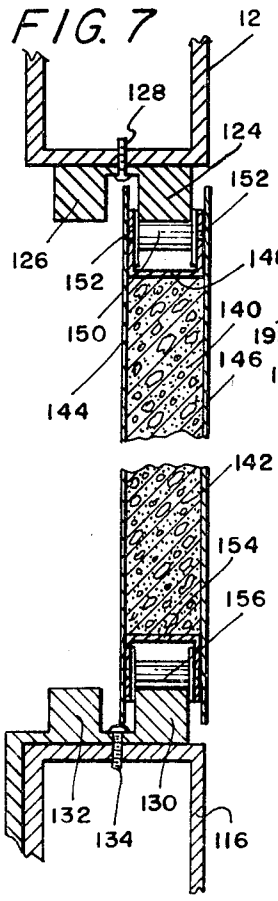
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FIG. 7



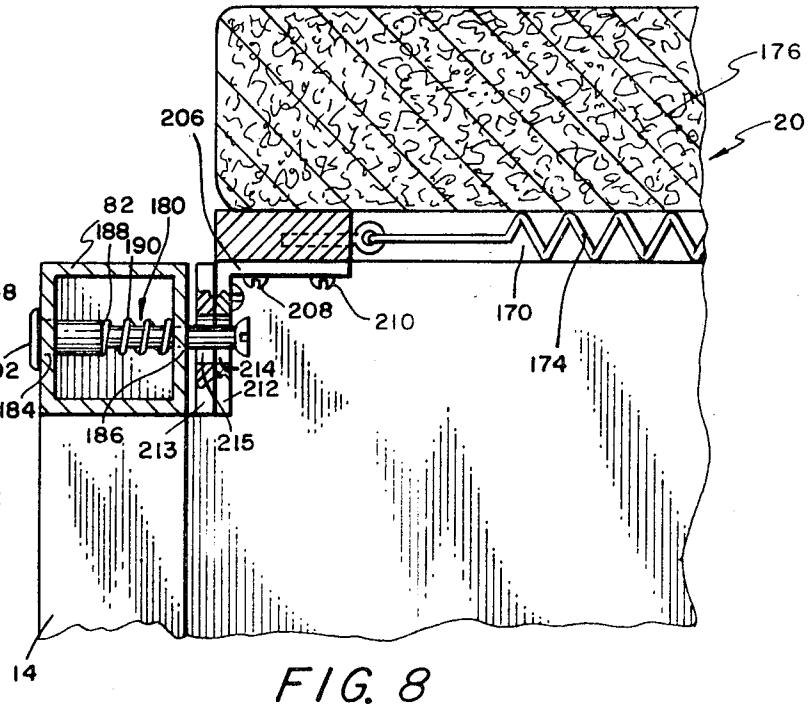
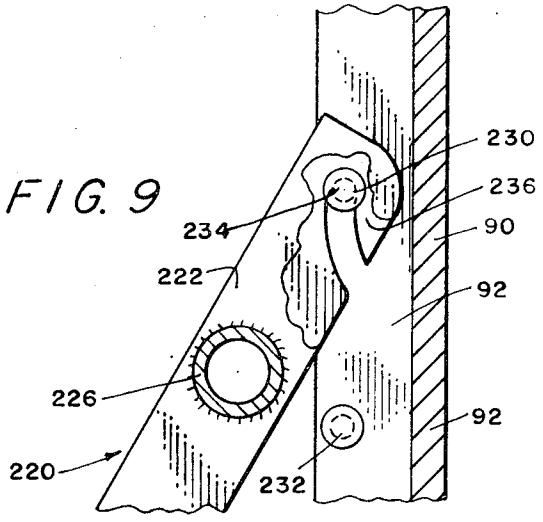


FIG. 8

FIG. 9



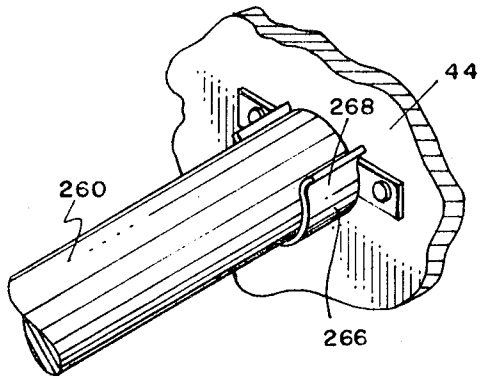


FIG. 10

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COLLAPSIBLE COMBINATION BED AND CLOSET

The present invention relates to new and useful improvements in collapsible furniture, and more particularly pertains to a collapsible combination bed and closet.

The primary object of the present invention is to provide a combination bed and closet wherein the bed or sleeping platform is disposed above the closet, and wherein the furniture is collapsible in such a manner that the sleeping platform, appointments of the closet in the nature of shelves and clothes rods can be stored within the collapsed furniture together with a ladder that serves normally to facilitate the user's getting into and out of the bed.

In its broadest aspect, the invention involves collapsible bed furniture comprising first and second upstanding and spaced sidewalls, a pair of upstanding and foldable end walls connecting the opposite ends of the sidewalls, a generally rectangular sleeping platform hingedly connected along one side edge thereof to the upper edge of the first of the sidewalls, for downward swinging movement between a horizontal first position directed toward the upper edge of the second sidewall and a downwardly directed vertical second position between the sidewalls and adjacent the first sidewall to which it is hingedly connected, means for releasably securing the platform against movement from its first position toward its second position, means for folding said end walls comprising each of said end walls including a pair of adjoining upstanding folding wall sections each having vertical side edges, means hingedly connecting the adjacent side edges of said adjoining wall sections, means hingedly connecting one of the remote side edges of the adjoining wall sections to the first sidewall, means hingedly connecting the other of the remote side edges of the adjoining wall sections to the second sidewall, whereby the adjoining wall sections of each of the end walls can be folded to extend into space between the sidewalls when the platform is in its vertical position.

The objectives, important features and advantages of the invention will become apparent during the ensuing description of a preferred embodiment of the invention, such description to be taken in conjunction with the accompanying drawings, wherein:

FIG. **1** is an isometric view of the furniture showing the same in its extended or operative condition, and with a portion of the padded sleeping platform being broken away to show hidden details;

FIG. **2** is an exploded isometric view of the furniture, this view in full lines showing the furniture in a partially collapsed condition wherein the end walls are unfolded, and showing in dashed outline the relative position of parts occupied when the furniture is collapsed; portions of the structure being broken away to show hidden details of the structure;

FIG. **3** is a top plan view of the furniture showing the same in fully collapsed condition;

FIG. **4** is a vertical transverse sectional view taken upon the plane of the section line **4—4** in FIG. **3**;

FIG. **5** is a vertical sectional view of the furniture taken upon the same plane as FIG. **4**, but with the furniture in its extended or operative condition and with shelving and a clothes rod installed;

FIG. **6** is an enlarged and exploded fragmentary detail view of isometric character illustrating the manner in which shelving is supported within the furniture, portions of the structure being broken away to disclose hidden details;

FIG. **7** is an enlarged and broken vertical sectional view of the means of mounting of the movable panels in one of the sidewalls;

FIG. **8** is an enlarged sectional detail view illustrating the latch means provided for releasably supporting one edge of the sleeping platform when the latter is in its operative position;

FIG. **9** is an enlarged fragmentary sectional detail view taken upon the plane of the section line **9—9** in FIG. **1**; and,

FIG. **10** is an enlarged fragmentary detail view of isometric character illustrating the means for detachably supporting an end of the clothes rod.

Referring now to the drawings wherein like numerals designate like parts throughout the various views, the reference numeral **10** designates generally the furniture or collapsible combination closet and bed. The furniture **10** is comprised of parallel upstanding sidewalls **12** and **14** which are joined at their extremities by foldable or collapsible end walls **16** and **18** that are vertical and parallel to each other when in extended or unfolded condition.

A sleeping platform designated generally at **20** is provided, the same being of rectangular configuration and of dimensions approximating those of the sidewalls **12** and **14**, and the end walls **16** and **18** when the latter are extended. The platform **20** is hingedly connected along one side edge thereof to the upper edge **22** of the sidewall **12** by hinge means indicated at **24** which can be of the piano hinge type. The relationship of the platform **20** to the sidewall **12** is such that the former can be swung from its horizontal position of use such as shown in FIGS. **1** and **5** to a vertical position for storage closely adjacent to and parallel to the sidewall **12** as shown in FIGS. **3** and **4**. The platform **20** is of a length slightly less than the spacing of the end walls **16** and **18** when the latter are extended, and the platform **20** can of course only be swung between its horizontal or first position and its vertical or second position when the end walls **16** and **18** are unfolded or extended for the reason that the end walls **16** and **18** fold inwardly as will be presently described.

The end wall **16** comprises foldable end wall sections **26** and **28** having adjoining vertical edges that are hingedly connected by vertically spaced hinges **30**, **32** and **34**. The remote vertical edges of the folding wall sections **26** and **28** are hingedly connected to the sidewalls **12** and **14** as will now be described. The hinged connection of the end wall section **28** to the sidewall **12** comprises a fixed end wall section **36** that is rigidly attached to one end of the sidewall **12**, and such fixed end wall section **36** extends toward and lies in a plane perpendicular to the sidewall **14**. The vertical edge of the fixed wall section **36** remote from the sidewall **12** is hingedly connected to the folding wall section **28** by means of vertically spaced hinges **38** (see FIG. **3**) that are generally similar to the previously described hinges **30–34**. The other of the foldable wall sections **26** is hingedly connected to the sidewall **14** by means of vertically spaced hinges such as the hinge **40** shown in FIG. **3**. The end wall **18** is generally similar to the end wall **16** being virtually a mirror image of the latter, and such end wall **18** comprises foldable end wall sections **42** and **44** hingedly connected at **46**. The end wall **18** includes a fixed end wall section **48** that is generally similar to the previously described end wall section **36**, and the folding wall section **44** is hingedly connected to the fixed wall section by hinge means indicated at **50**. The folding wall section **42** is in turn hingedly connected to the end wall **14** by hinge means indicated at **52**.

As thus far described, it will be appreciated that the platform **20** can be swung from the horizontal position shown thereof in FIG. **1** to the vertical position shown thereof in FIG. **3** and that the end walls **16** and **18** can thereafter be folded inwardly from the extended positions shown thereof in FIG. **1** to the folded positions shown thereof in FIG. **3**, and of course such operations can be performed in the reverse order.

The structure thus far described is not only spaced above a supporting horizontal floor surface **54** but the previously described folding and unfolding of the end walls **16** and **18** and the accompanying relative movements of the sidewalls **12** and **14** are facilitated by the provision of ground support wheels for the furniture **10**. As clearly shown in FIGS. **1** and **5**, ground support wheels **56** and **58** are mounted to the underside of the opposite end extremities of the sidewall **12**. Although the ground support wheels **56** and **58** can be of the caster type, it is preferred that the same not be of the swiveling or caster type and that they be mounted with the axes or rotation thereof being parallel to the plane of the sidewall **12**. In a similar manner, ground support wheels **60** and **62** are mounted on the underside of the opposite extremities of the sidewall **14**, and the axes of such ground support wheels are parallel to the

plane of the sidewall **14**. It will be apparent upon inspection of the drawings that the lower edge of the sidewalls and end walls **12–18** terminate in a common horizontal plane at their lower edges, and the ground support wheels **56–62** therefore space the lower edges of such walls above the floor surface **54**. Accordingly, the walls **12** through **18** are not in any frictional engagement with the floor surface **54** and the alignment of the axes of the ground support wheels **56–62** greatly facilitates the ease of relative opening and closing movements of the sidewalls **12** and **14** with respect to each other.

A rectangular bottom wall **64** is provided, and the same is disposed in a horizontal plane closely adjacent to the plane defined by the lower edges of the sidewall **12** and the fixed end wall sections **36** and **38**. The opposite ends of the bottom wall **64** are fixedly secured in any suitable manner to the fixed end wall sections **36** and **48**, and one of the side edges of the bottom wall **64** is fixedly secured in any suitable manner to the sidewall **12**. The width of the bottom wall **64** is approximately the same as the horizontal extent of the fixed end wall sections **36** and **48** toward the sidewall **14**, and the free side edge **66** (see FIG. **4**) is hingedly connected by hinge means indicated at **68** to a side edge of a rectangular and movable bottom wall **70**. The length of the bottom wall **70** is approximately the same as that of the sleeping platform **20**, that is, the same is somewhat shorter in length than the spacing between the end walls **16** and **18** when they are in their extended condition. In addition, the width of the bottom wall **70** is such that the side edge **72** thereof remote from the hinge **68** overlaps and rests upon a flange **74** carried by the sidewall **14** adjacent its lower edge, the arrangement being such that downward swinging movement of the bottom wall **70** from the position shown thereof in FIG. **5** is prevented. The bottom wall **70** is hingedly connected in such a manner so as to be swingable in the angular arc indicated at **76** in FIG. **5** so as to be movable from a horizontal or first position shown thereof in FIG. **5** to a vertical or second position shown thereof in FIG. **4**. It will be noted on inspection of FIG. **4** that the relative relationships of the parts thus far described are such that bottom wall **70** is disposed between the folded end walls **16** and **18** and the sleeping platform **20** when the furniture is in the collapsed condition. In such collapsed condition, the bottom wall **70** is closely spaced to and may be in actual engagement with the folded wall sections **28** and **34**, while being spaced from the sleeping platform **20** for a reason presently to be explained.

Except for the ground wheels **56–62** (which are preferably rubber-tired) and certain features of the sleeping platform **20**, the furniture or combined collapsible bed and closet **10** is of metallic construction with the metals steel or aluminum being preferred. It will be obvious to those skilled in the art that many elements of the furniture can be fabricated from other materials than metals, and such elements may if desired or deemed expedient be made of suitable hardwoods or plastics.

The sidewall **14** includes a rectangular frame comprised of upper and lower tubular members **82** and **84**, and vertical and tubular end members **86** and **88**.

Except as hereinafter specifically pointed out, the end walls **16** and **18** are essentially identical and mirror images of each other, and a detailed description of one will suffice for both. The fixed end wall section **36** of the end wall **16** is comprised of a rectangular metallic plate **90** that is peripherally secured to and reinforced by a rectangular frame of tubular material that consists of vertical members **92** and **94**, and upper and lower members **96** and **98**, respectively. The foldable wall section **26** is comprised of a rectangular metallic plate **98** that is attached to and reinforced by vertically spaced horizontal members **100**, **102** and **104**. Similarly, the foldable end wall section **28** is comprised of a metallic plate **106** that is attached to and reinforced by vertically spaced horizontal members **108**, **110** and **112**. The relationship of the hinges **30**, **32** and **34** to the members **100–104** and **108–112** is to be noted in FIGS. **1** and **3** wherein it will be apparent that while the foldable end wall sections **26** and **28** are free to fold inwardly between the sidewalls **12** and **14**, such foldable end wall sections are not free to fold outwardly from the position shown thereof in FIG. **1**, this by reason of abutment of the adjacent edges of the wall sections **26** and **28** with each other.

The sidewall **12**, like the sidewall **14**, includes a rigid rectangular peripheral framework of tubular members, the upper and lower of which are designated at **114** and **116**, respectively, and the end members of which are designated at **118** and **120**. The sidewall **12** is essentially identical to the sidewall **14** in that both are provided with closable access openings. Since the walls **12** and **14** are identical as to the provision of closable access openings therein, a detailed description of such provision for the wall **12** will also suffice for the wall **14**, and such provision for wall **12** is now described.

A pair of spaced, elongated and parallel rails or track members **124** and **126**, that are integrally joined, are fixed, as at **128**, to the frame member **114**. The rails or tracks **124** and **126** are for respective cooperation with a pair of integrally joined rails or tracks **130** and **132** mounted on the frame member **116** as at **134**. A pair of closures or panels **136** and **138** are guidingly supported between the rails or tracks **126** and **132** and a closure or panel **140** is guidingly supported between the tracks or rails **124** and **130**. Inasmuch as the means for guidingly supporting the panels **136** and **138** upon the rails **126** and **132** are identical to the means for guidingly supporting the panel **140** upon the rails or tracks **124** and **130**, it is only necessary that the latter be illustrated in detail or described in detail as a single illustration and description will suffice for both. Accordingly, and referring particularly to FIG. **7** wherein the panel **140** and its mounting on the rails **124** and **130** is shown in detail, it will be seen that the panel **140** is of "sandwich" construction and comprises a relatively thick rectangular block of lightweight material **142**, such as styrofoam or the like, to the opposite sides of which are attached rectangular metallic sheets **144** and **146** which, as shown, extend above the upper and lower edges of the block **142**. A U-shaped or metallic channel member **148** is disposed between the sheets **144** and is seated against the upper edge of the block **142**, and is suitably secured in such position. Antifriction bearing means in the form of a spool **150** is provided, and the same is disposed in the channel member **148** and has trunnions **152** at the opposite ends thereof journaled in the legs of the U-shaped or channel member **148** as shown. As clearly shown the spool or bearing member **150** is engaged over the lower portion of the track or rail **124** and is in rolling contact therewith. In a similar manner, the lower edge of the panel **140** includes a channel member **154** in which is journaled a spool or bearing member **156** that embraces and is in rolling contact with the upper portion of the track or rail **130**. It will be appreciated that the panel **140** is provided with at least two spaced bearing structures such as the rotatable spool **150** and at least two spaced bearing structures along its lower edge such as the spool **156**. It will be readily appreciated that the panel **140** can be moved horizontally along the horizontal extent of the sidewall **12**, and in a similar fashion the panels **136** and **138** are movable along the sidewall **12**. The combined horizontal extents of the panels **136–140** is somewhat greater than the extent of the sidewall **12** intermediate the members **118** and **120** thereof so that the entire extent of the access opening **160** defined therebetween can be closed. In the preferred construction, the upstanding vertical side edges of the panels **136–140** are received in and attached to U-shaped metallic channels such as indicated at **158** and **160**, and the latter are provided with recesses such as those indicated at **162** and **164**, whereby such panels can be easily manipulated by the fingertips of the user.

As described, the sidewall **12** is such that access to the inside of the furniture **10** can be had in a convenient manner by appropriate manipulation of the sliding panels **136–140**.

The sleeping platform **20** in the preferred construction comprises an open rectangular metallic frame **170** (see FIG. **1**) within which is disposed a tensioned wire network of conventional character and indicated at **172** which is peripherally attached to the open frame **170** by means of a plurality of coiled

tension springs **174** that maintain the wire network **172** under tension. A conventional rectangular sleeping pad or mattress **176** is disposed on the top of the frame **170** and the wire net **172**, the dimensions of the mattress or pad **176** being approximately the same as that of the frame **170**. The pad or mattress **176** can be of any conventional construction and of any sort of materials conventionally employed in their fabrication such as cotton, foam rubber, and the like. The pad or mattress **176** can, if desired, even incorporate internal coiled springs of the usual character, however, this is not preferred inasmuch as it is generally preferable to minimize the overall vertical height of the sleeping platform **20** so as to minimize insofar as possible the dimensions of the furniture **10** when in its collapsed condition.

Though not necessary, the pad or mattress **176** can be, if desired or deemed expedient, secured peripherally to the rectangular frame **170** as by means of peripherally spaced snap fasteners, not shown. If the pad or mattress **176** is to be attached to the rectangular frame **170**, it is much preferred that such attachment be of such character that the pad or mattress **176** can be occasionally inverted in its use, reversed end for end, and entirely removed from the remaining parts of the furniture **10** for an occasional sunning or airing.

Means is provided for releasably preventing or restraining the sleeping platform **20** against downward swinging movement from the position shown in FIG. **1** to the position shown in FIG. **3**. Such means is shown in detail in FIG. **8**, wherein there is illustrated one of the latch means provided for this purpose, such latch means being designated generally at **180**. The illustrated latch means **180** is disposed at one end of the sidewall **14**, and it is to be understood that a similar latch means is also provided at the other end of the sidewall **14**, it being deemed sufficient to illustrate and describe in detail only one of such latch means.

The latch means **180** comprises an elongated latch or latching element **182** slidably extending through the frame member **82** through openings **184** and **186** in the latter. The latch element **182** is shouldered within the member **82**, as at **188**, and a coiled compression spring **190** is disposed within the member **82**, embraces the element **182**, and is seated against the shoulder **188** to urge the element **182** outwardly (to the left as shown in FIG. **8**) from the latching position shown thereof in FIG. **8**.

The latch element **182** has an enlarged head **192** at its outer end constituting a button, and the inner end of the element **182** has an enlarged head **194** of greater diameter than the opening **186**, whereby such end of the element **182** cannot pass into the interior of the frame member **82** under the influence of the spring **190**.

An L-shaped bracket has a horizontal leg **206** thereof secured to the frame **170** as shown at **208** and **210**, and the vertical or depending leg **212** thereof is disposed adjacent to and spaced from the frame member **82** when the sleeping platform **20** is in the horizontal position shown thereof in FIG. **1**. The depending leg **212** and a reinforcing plate **213** secured thereto are provided with aligned openings **214** and **215** of greater diameter than that of the head **194**, such opening **214** being in alignment with the latching element **182** when the left edge of the platform **20** is raised slightly above that which corresponds to the latter being horizontal.

When it is desired to latch the platform **20** in its horizontal and operative position, the latter is raised to align the opening **214** with the element **182**, and the latter is then forced against the action of the spring **190** to pass the head **194** entirely through the opening **214**, and while the element **182** is in such position the platform **20** is released or lowered to engage the depending leg **212** on the element **182**. The latching element **182** is then retained in its latching and platform **20** supporting position shown in FIG. **8**.

To unlatch the platform **20** so that it may be lowered, the platform **20** is raised slightly, whereupon the head **194** is free to pass through the opening **214** and the spring **190** forces the latching element **182** to its unlatching position entirely free of the depending leg **212**.

In order to accommodate the depending legs **212** of the latch means **180** when the platform **20** is in its collapsed or vertical position small recesses, not shown, are provided on the inner sides of the panels **136** and **138** as will be readily understood by those skilled in the art.

In order to facilitate a user readily getting on or off the sleeping platform **20**, a ladder designated generally at **220** is provided, the ladder **220** including side rails **222** and **224** which are connected by longitudinally spaced rungs **226**. As best shown in FIG. **9**, the rails **222** and **224** are each at one end thereof of hook form; this being for the purpose of enabling the rails to be detachably and supportingly engaged over a selected pair of pins **230** fixed to the upstanding members **92** and **94** of the fixed end wall section **36**. The fixed end wall **36** differs in this particular from the fixed end wall **48**. Preferably, the fixed end wall section **36** is provided with additional pairs of pins such as those indicated at **232** so as to afford the user a choice as to the height at which the upper end of the ladder **220** is detachably supported. In the interests of safety, though certainly not seen to be necessary, the free ends of the pins **230** are enlarged as indicated at **234** so as to virtually preclude any possibility of inadvertent disengagement of the hook form **236** of the ladder rails therefrom. As will be seen presently, the ladder **220** can be stored within the furniture **10** when the latter is in collapsed condition.

While the pivotally mounted bottom wall **70** will prevent inward folding of the end walls **16** and **18** when the bottom wall **70** is in the position shown thereof in FIG. **5** for the reason that it is interposed between the folding wall sections of such end walls, it is not essential that reliance be made upon the bottom wall **70** for this purpose. Indeed, in view of the structure now to be described, the bottom wall **70** can be deleted from the furniture **10** entirely if desired and the function of prevention of inward folding of the end walls be performed by the structure now to be described.

When the furniture **10** is in its extended or operative condition such as shown in FIG. **1**, a considerable volume of space is contained therein and according to the present invention such space or volume serves the function of a closet.

Removable shelving is provided in such space, the same being shown in the drawings as a pair of vertically spaced shelves **244** and **246**. Inasmuch as the structure and mounting of each of the shelves **244** and **246** is identical and in further view of the fact that the opposite ends of each shelf is mounted in an identical manner, it is deemed sufficient to describe in detail only the means for mounting one end of one of the shelves, and for this purpose attention is directed to FIG. **6**, wherein it will be seen that the folding end wall section **42** is provided with a pair of horizontally spaced headed pins **248** and **250**. The shelf **246** is provided with a depending flange **252** at the end thereof that abuts the wall section **42**. The depending flange **252** is provided with a pair of spaced notches **254** and **256** in its lower edge which are adapted to respectively receive the pins **248** and **250** intermediate the wall **42** and the enlarged or headed ends of the pins **248** and **250**. The length of the shelf **246** is just slightly less than the spacing between the folding wall sections **26** and **42** when the latter are in their unfolded position so that the shelf **246** will prevent folding movement of the wall sections **26** and **42** when the shelf **246** is mounted. It will be readily apparent that the shelf **46** and of course the shelf **244** can be readily disengaged and removed from between the folding wall sections **26** and **42**. As will be seen presently, the furniture **10** will accommodate the shelves **244** and **246** for storage when the furniture **10** is in the collapsed condition.

For the purpose of enabling suspension of coat-hanger supported garments within the closet space defined by the furniture **10**, an elongated clothes rod **260** having a length approximating that of the shelves **244** and **246**. Since the means for supporting the opposite ends of the clothes rod **260** are identical, only the means provided at the one end of the clothes cord **260** need be described in detail, and for this purpose attention is directed to FIG. **10**. A conventional clothes rod support bracket **266** is mounted on the folding wall section **44**, such

bracket **266** including a U-shaped spring portion **268** which receives and releasably retains an end portion of the clothes rod **260** as shown. As in the case of the shelves **244** and **246**, the rod **260** can be readily detached from the wall sections **44** and **28** for storage as will be presently explained.

It will be manifest in view of the foregoing that as many shelves and/or clothes rods can be mounted in any arrangement within the furniture **10** as may suit the pleasure of the user. It will also be obvious that the installation of shelving and clothes rods as well as the removal thereof can easily be accomplished through the access opening to the extent and the manner in which the opening is opened by the panels **136–140** that normally close the same. Needless to say, appropriate positioning of the panels **136–140** enables the user to place and remove articles from the shelves as well as to suspend or remove articles from the clothes rods.

As mentioned previously, and as shown in FIG. **4**, there is considerable spacing between the bottom walls **70** and the sleeping platform **20** when such elements are in their storage condition, and also there is some space between the sleeping platform **20** and the fixed bottom wall **64**. Usage of such space is made for the storage of the shelves **244** and **246**, the clothes rod **260** and of the ladder **220**. It will be noted that the ladder and the shelving can be positioned in the storage positions shown thereof in dashed outline in FIG. **4** from the top of the furniture **10**, this being most easily accomplished shortly prior to the end walls being completely folded inwardly. The clothes rod **260** can be disposed within the collapsed structure in the same manner or it can be disposed within the collapsed furniture **10** through the access opening on appropriate manipulation of the sidewall panels.

From the foregoing the structure, operation and advantages of the disclosed and described preferred embodiment of the invention will be fully understood.

I claim:

1. Collapsible bed furniture comprising first and second upstanding and spaced sidewalls, a pair of upstanding and foldable end walls connecting the opposite ends of the sidewalls, a generally rectangular sleeping platform hingedly connected along one side edge thereof to the upper edge of the first of the sidewalls for downward swinging movement between a horizontal first position directed toward the upper edge of the second sidewall and a downwardly directed vertical second position between the sidewalls and adjacent the first sidewall to which it is hingedly connected, means for releasably securing the platform against movement from its first position toward its second position, means for folding said end walls comprising each of said end walls including a pair of adjoining upstanding folding wall sections each having vertical side edges, means hingedly connecting the adjacent side edges of said adjoining wall sections, means hingedly connecting one of the remote side edges of the adjoining wall sections to the first sidewall, means hingedly connecting the other of the remote side edges of the adjoining wall sections to the second sidewall, whereby the adjoining wall sections of each of the end walls can be folded to extend into space between the sidewalls when the platform is in its vertical position, each of said end walls including a fixed end wall section fixedly secured to the first sidewall and extending toward the second sidewall, with such fixed end wall section constituting a portion of the means hingedly connecting said one of the remote side edges of the folding wall sections to the first sidewall, said platform being disposed between the fixed end wall sections and also being disposed between the folding wall sections of the end walls and the first sidewall, when the platform is in its vertical second position and when the folding wall sections of the end walls are folded, a horizontally disposed and fixed rectangular bottom wall having end edges secured to the fixed end wall sections at lowermost edges of the latter and having one side edge secured to the first sidewall at the lowermost edge of the latter, a rectangular and movable bottom wall having a side edge hingedly connected to the other side edge of the fixed bottom wall for upward swinging movement a horizontal first position and a vertical second position, means for preventing downward swinging movement of the movable bottom wall from its first position, the arrangement being such that when the movable bottom wall is in its second position it is disposed between the platform and the folding end wall sections when the latter are folded and the platform is in its second position.

2. The combination of claim **1**, wherein the sidewalls are provided with support wheels, whereby relative movement of the sidewalls toward and away from each other is facilitated.

3. The combination of claim **1**, wherein the sidewalls are provided with support wheels, whereby relative movement of the sidewalls toward and away from each other is facilitated, said support wheels being mounted with their axes of rotation being parallel to the sidewalls, a ladder including elongated side rails, said side rails having extremities of hook form at one end of the ladder, one of said fixed end wall sections being provided with means releasably engageable by the hood form extremities of the ladder rails, the arrangement being such that the ladder can be employed by a user in mounting the platform with the furniture not being caused to roll on the support wheels.

4. Collapsible bed furniture comprising first and second upstanding and spaced sidewalls, a pair of upstanding and foldable end walls connecting the opposite ends of the sidewalls, a generally rectangular sleeping platform hingedly connected along one side edge thereof to the upper edge of the first of the sidewalls for downward swinging movement between a horizontal first position directed toward the upper edge of the second sidewall and a downwardly directed vertical second position between the sidewalls and adjacent the first sidewall to which it is hingedly connected, means for releasably securing the platform against movement from its first position toward its second position, means for folding said end walls comprising each of said end walls including a pair of adjoining upstanding folding wall sections each having vertical side edges, means hingedly connecting the adjacent side edges of said adjoining wall sections, means hingedly connecting one of the remote side edges of the adjoining wall sections to the first sidewall, means hingedly connecting the other of the remote side edges of the adjoining wall sections to the second sidewall, whereby the adjoining wall sections of each of the end walls can be folded to extend into space between the sidewalls when the platform is in its vertical position, said foldable end walls, the sidewalls and the means hingedly connecting the same are so constructed and arranged that the folding wall sections of the end walls are prevented from folding outwardly from a first and unfolded position and can only fold inwardly between the sidewalls to a second and folded position, and means for selectively preventing folding of the end walls when they are in their first position, with the last recited means comprising a bottom wall provided with means hingedly connecting the same to the first sidewall for upward swinging movement between a first and horizontal position in which it extends between the end walls when the latter are in their first position to a second and vertical position generally parallel to and spaced from the first sidewall, said first sidewall, the foldable end walls, the platform and the bottom wall being so constructed and arranged that when the foldable end walls, the platform and the bottom wall are each in their second position the bottom wall is between the inwardly folded end walls and the platform, and the platform is between the bottom wall and the first sidewall.

5. The combination of claim **5**, including a second and horizontal bottom wall immovably connected to the first sidewall and being positioned to underlie the space between the first sidewall and the first recited bottom wall when the latter is in its second position, and one of said sidewalls being provided with an access opening.

6. The combination of claim **4**, including a second and horizontal bottom wall immovably connected to the first sidewall and being positioned to underlie the space between the first sidewall and the first recited bottom wall when the

latter is in its second position, and one of said sidewalls being provided with an access opening, and article supporting means extending between and detachably mounted on the end walls.

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