

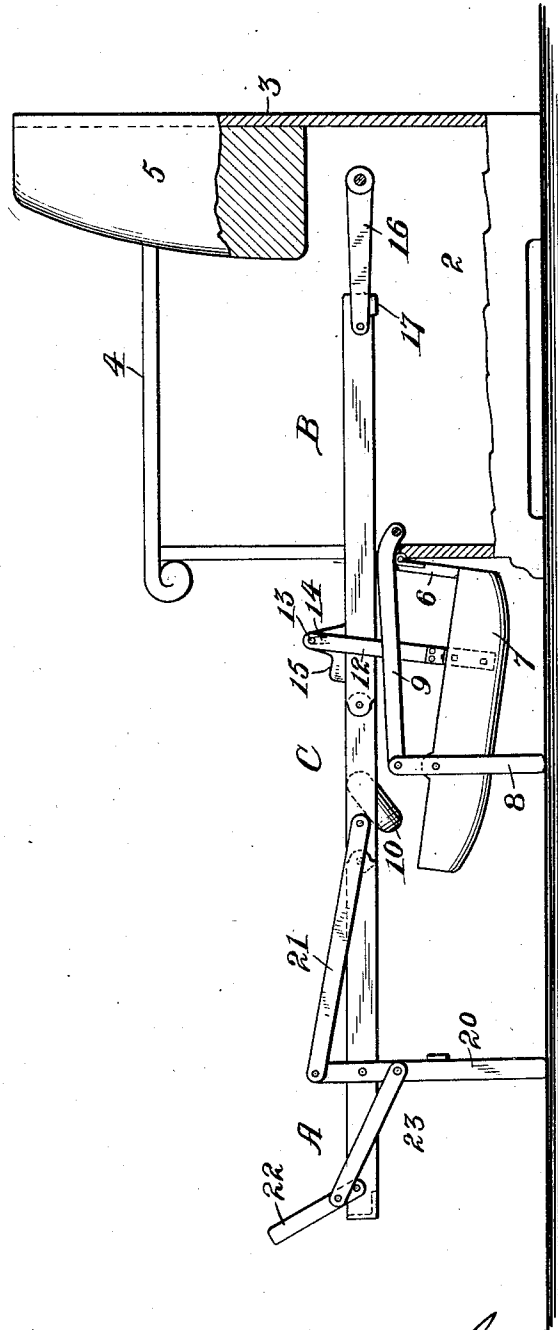
J. LUPPINO.
 CONVERTIBLE DAVENPORT BED.
 APPLICATION FILED OCT. 30, 1918.

1,408,013.

Patented Feb. 28, 1922.

3 SHEETS—SHEET 1.

Fig. 1.



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 BY
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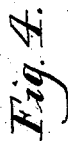
3 SHEETS--SHEET 2.

Technical drawing of a mechanical device, likely a pump or engine component, showing various parts labeled with numbers 1 through 23. The drawing includes a large cylindrical component at the top, a central mechanism with a piston and connecting rod, and a base structure. The drawing is oriented vertically on the page.

INVENTOR
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1,408,013.

3 SHEETS—SHEET 3.



INVENTOR
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UNITED STATES PATENT OFFICE.

JOSEPH LUPPINO, OF BROOKLYN, NEW YORK.

CONVERTIBLE DAVENPORT BED.

1,408,013.

Specification of Letters Patent.

Patented Feb. 28, 1922.

Application filed October 30, 1918. Serial No. 260,336.

To all whom it may concern:

Be it known that I, JOSEPH LUPPINO, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Convertible Davenport Beds, of which the following is a specification.

This invention relates to improvements in convertible davenports, the object of the invention being to provide an improved convertible bed consisting of a sectional spring mattress comprising three bed sections, an inner, an outer and a middle section, one forming the head and another the foot thereof and which sectional spring mattress can be readily stowed away in the base or box of the davenport, and which davenport is provided with a shiftable seat so connected therewith and with the sectional spring mattress that on the shifting of the seat all of the sections will be simultaneously raised or lowered relatively to the davenport base and when raised the sections can be readily opened lengthwise to form a full length bed having its longer axis transverse to and greater than its width.

A further object of the invention is the provision of a three section spring mattress of the character described so connected with the frame work of the davenport through the medium of the shiftable seat and the rear of the shiftable inner section only that a much simplified and more easily operated article of this kind is obtained whereby the structure can be readily and easily operated by a woman.

A further object of the invention is the provision of an improved convertible bed of the character specified having so interconnected therewith an automatically operated head or foot rail, supporting legs for one section and a shiftable seat having connected therewith a shiftable front side of the davenport whereby these parts are all automatically operated on the opening or closing of the sectional spring mattress by the simple movement of raising and opening the sections or vice versa.

Another object is the provision of an improved convertible bed of the character described, of which the inner shiftable spring mattress section is itself provided with a shiftable portion carrying a part of the spring mattress, whereby when the

bed is extended this shiftable portion may be thrown over to permit access to the box of the davenport for the purpose of cleaning the same.

A further object of the invention is the provision of an improved convertible bed of the character specified having its only direct connection with the frame-work of the davenport through the medium of the rear section at the rear thereof thereby to do away with the complicated system of levers or links and connections usually used in folding bed structures, the present improvement being in part an improvement upon my pending application No. 184,464, filed August 4, 1917.

In that application the seat had to be shifted upwardly independently of the shiftable mattress sections and the shiftable mattress sections were connected with the frame-work of the davenport by a pair of linkage connections, one at the rear of the inner section and the other adjacent to the forward side thereof. In the present improvement, however, I have entirely done away with the shifting of the seat independently of the sectional mattress and have also done away with any direct linkage connection adjacent to the forward side of the rear section, such linkage connection as is used being utilized primarily for the shifting of the seat which is so located that the weight thereof materially assists in the easy manipulation of the sectional mattress. Moreover the present organization enables the structure to be easily operated by a woman, and this without the addition of springs thereto to facilitate such operation, while at the same time very much simplifying and reducing the weight of the shiftable parts which make the usual folding bed so difficult of handling by a woman.

In the drawings accompanying and forming a part of this specification, Fig. 1 illustrates the present improvement applied to a davenport, the view being partly in section and broken away to illustrate the shiftable spring mattress sections in their open positions to form a full length bed; Fig. 2 is a similar view illustrating the bed sections in their raised position in readiness to be opened; Fig. 3 is a similar view illustrating the bed sections in their closed position within the base or box of the davenport; and Fig. 4 is a view similar to Fig. 1 illustrating

ing the inner section itself provided with a shiftable portion adapted to be overturned to permit the cleaning of the davenport box or base.

5 Similar characters of reference indicate corresponding parts in the several figures of the drawings.

In the present improvement, the box 2 forms the base of the davenport which may 10 comprise the back 3 having the upper half thereof forming an upholstered back section as at 5, and a pair of arms 4, one at each end, the foregoing forming the framework for supporting the shiftable seat and 15 the shiftable sectional spring mattress. The box is provided at its forward side with a hinged closure or board 6 automatically operated in the manner hereinafter described and this shiftable board completely closes 20 the front of the box when the seat is in its proper normal position. To the upper edge of this board 6, the rear underside of the seat is secured, so that the manipulation of the seat shifts this board. The seat 7 25 may be of the usual tufted or stuffed variety and is provided between its rear and front sides at each end with a pivoted leg 8, and each of these pivoted legs is linked by a lever 9 to the frame-work, whereby when the seat 30 is thrown down these legs will be automatically shifted into position to support the seat and automatically folded when the seat is thrown back into its normal position.

The legs in the present instance are located nearer the front side of the seat than 35 the rear side thereof and the levers 9 are pivotally connected to the frame work adjacent to the front thereof and in such position that they will pass through the opening 40 in the front side formed by the shiftable board 6.

The bed proper comprises three sections, an outer or front section A which may constitute the head section if desired, an inner 45 or rear section B which may constitute the foot section if preferred and the middle or intermediate section C to which the outer and inner sections are pivotally connected or hinged. The middle or intermediate section is provided with a suitably formed brace 50 or bar 10 extending from end to end thereof and in position to prevent the sections from collapsing in use. These three shiftable sections are provided with a suitable spring 55 fabric or mattress 11 capable of being folded with the frame-work forming the shiftable mattress sections. This frame-work consists of suitable side bars hinged in the manner hereinbefore described, the inner and 60 outer sections being provided at their outer sides or ends with suitable cross-wise extending bars. In the present instance, the middle section is smaller than the inner or outer sections. The inner section B is connected at each end thereof adjacent to its

forward side with the seat by means of an upright or standard 12 rigidly secured to the seat and having a pin 13 working in a slot 14 carried by a bracket 15 secured to a side 70 bar of the section B, whereby on the manipulation of the seat, the shiftable mattress sections will be raised or lowered into the davenport box in the manner shown in Fig. 2, the slot 14 affording sufficient play to 75 permit the seat to be thrown over from its normal position to a position under the shiftable sections or vice versa. The rear side of the inner section B is connected by a pivoted link or hanger 16 with the frame- 80 work at each end of this rear section and these two links engage stops 17 carried by the section B when the sections are extended. The link 16 is so located that when the folding mattress sections are open the link 16 85 will be in a horizontal position with its pivot points in alignment. This link forms the only direct connection between the shiftable sections and the davenport frame-work and constitutes the only medium by means of 90 which the shiftable sections are directly connected with the frame-work, and it will be observed that these two links 16 are straight links without any bends or arms thereon. From the foregoing it will be observed that the connection of the seat with the sectional 95 mattress is through the medium of the rear section only of that mattress while the connection of the sectional mattress itself to the framework is likewise through the medium 100 of the rear section only, so that in order to fold and unfold the mattress sections after they have been shifted into the position shown in Fig. 2, it is not necessary to also handle the very considerable weight of the 105 heavy stuffed seat. Pivotally secured to the outer section A at each end thereof is a shiftable leg 20 projecting slightly above the outer section and linked at its upper end by a bar 21 to the middle section to 110 which this bar is pivotally secured, and pivotally secured to the outer end of the head section is a head or foot rest 22 according to which end of the bed the occupant desires to use as the head or foot. This rest is pivotally connected at each end by a link 23 115 with the leg 20 in such a manner that when the bed is folded or opened the rest will be automatically folded down or opened up in readiness for use.

In manipulating this improved conver- 120 tible bed to open the same, the seat is first swung forward or outward which simultaneously shifts the board 6 so as to open the front side of the davenport and also simultaneously shifts the three section mat- 125 tress upward and forward into the position shown in Fig. 2. This movement of the seat also automatically unfolds the legs 8 into position to support the seat upon the floor. Thereupon by grasping the outer section A, 130

the folding mattress sections can be opened which operation simultaneously unfolds the leg 20 and the rest 22 to carry them into the position shown in Fig. 1. A reverse of these
5 movements in sequence completely closes the sectional bed and carries it into the position shown in Fig. 3 in which position the outer and inner sections A and B are located one above the other in parallelism, with the
10 middle section extending upright or transversely thereto. When the sections are opened they form a full length bed, the long axis of which is transverse to the long axis of each of the sections or of the davenport
15 and when closed the long axis of the folded sections of the davenport is transverse to the width of the davenport.

The present improvement, therefore does away with, not only a fourth section, but
20 many of the linkage connections and springs heretofore used in folding beds, and I believe that I am the first to provide a folding bed of the simplified form shown without the usual complicated mechanism and which
25 can be readily and easily manipulated. It will also be observed that in addition the weight of the three sections when in their folded position as shown in Fig. 3, is back of the pivotal point of the seat and conse-
30 quently this enables the seat to be turned over easily and all three sections to be raised or lowered, this being one of the important features of improvement in the present case.

35 It will be understood that the various details may be more or less changed without departing from the spirit or scope of the present improvement.

It will furthermore be observed that the
40 links 16 suspend the folded sections of the bed from the davenport, that is to say, these links operate as hangers in that they are pivotally connected to the framework of the davenport above the section B, and also the
45 section A, when these sections are folded, so that the folded sections are hung from the davenport by these hangers in consequence of which the sections can be more readily raised and carried forward from under the
50 pivotal points of the hangers with the davenport without interfering with the bottom of the upholstered back of the davenport.

In other words, if the links extended
55 downward from the section B instead of upward therefrom, it would not be practicable to use a single link and the construction would have to be entirely changed. But by using a single link and hanging the folded
60 sections therefrom they can be readily raised and moved forward, as shown in Fig. 2 without the use of a spring, as the folded sections are practically balanced during the operation.

The structure shown in Fig. 4 is similar to
65 that shown in Figs. 1, 2 and 3, except that

the inner section B is itself provided with a pivoted or hinged shiftable portion 30, to which the spring mattress fabric is connected instead of being connected all the way along to the inner section B. Normally
70 when the bed is extended or when folded, this shiftable portion 30 lies within the side and end rails of the section B, so that when the bed is opened or folded, the section B and the shiftable portion 30 move together
75 and operate to all intent and purposes as an integral structure. When however, the bed is extended and it is desired to clean the davenport box or base from the dust and dirt which usually accumulate in parts of
80 this kind, all that is necessary is to turn or throw over the shiftable portion 30, which therefore permits access to the box or base of the davenport. In the present improve-
85 ment, this shiftable portion 30 is shown as a U-shaped angle frame carrying a portion of the spring mattress, which would otherwise be connected to the frame of the inner section B. In Fig. 4 this shiftable
90 portion is shown pivotally connected to the side bars of the inner section B at 32, and in Fig. 4 this shiftable portion is partly thrown over, it being understood that it could be
95 thrown over practically all the way if desired to permit access to the base or box of the davenport. This is a very important feature of the present improvement, and I believe that I am the first to provide a convertible bed of the character described having
100 means such as that shown for facilitating access to and thereby the cleaning of the box or davenport, which is usually of closed form, and therefore inaccessible in any convenient practical manner.

It will be observed that when the shift-
105 able portion 30 is used, that the spring mattress is connected to the inner section B, for a part of the width of such inner section, the balance of such spring mattress being
110 connected to the shiftable portion 30 instead of all along the width of such inner section as in Fig. 1.

In the present improvement the back or back section of the frame-work comprising the usual stuffed or upholstered back is
115 stationary or fixed while the rear or inner bed section is connected to the frame-work below this back section. Thus I am able to utilize the rigid back section to securely brace the sides of the davenport in an efficient man-
120 ner. Moreover, the bed sections necessarily operate easier and quicker than would be the case if they were connected to the back and the back had to be moved either up or down or swung in or out in order to permit
125 the bed sections to be shifted.

It will be observed that when the sections are folded the inner section as well as the top section is suspended below the uphol-
130 stered back and to the rear of the front

thereof but by providing the movable front board 6 automatically shifted with the sections the sections can be raised and shifted forward in the manner shown in Fig. 2 from below the back without requiring this heavy upholstered back to be a movable one.

In other words, without the movable front board it would not be possible to house the three sections below a fixed back and still permit them to be shifted upward and forward.

It will also be observed that in the present improvement the three spring mattress sections form, as it were, a three-sided box or box-like space for the bedding when the sections are closed, this space being closed by the stationary back or framework while the hanger 16 enables all of the available space in the davenport to be utilized so that the three sections can be sufficiently wide to form a full length bed without appreciably widening the framework, since there is no rotary seat which has to be revolved in the framework base in order to open and close the sections, and in consequence when the sections are unfolded it will be observed that the front or outer section has practically its full width beyond the front edge of the seat when it is reversed.

I claim as my invention:

1. A convertible bed structure comprising a framework and a sectional spring mattress including a shiftable rear section and openable to form a full length bed transversely of the length of the framework, a single pair of hangers forming the only direct linkage connection between the sectional mattress and the framework, each pivotally connected at one end to one end of the rear section and at its opposite end to the framework whereby when the sections are folded they are hung at the rear thereof from the framework through the medium of said hangers.

2. A convertible bed structure comprising a framework, a three-section foldable spring mattress, the sections having connection only with the framework through the medium of the rear section and a pair of hangers forming the sole direct connection between the framework and the rear section of the mattress whereby the sections are hung from the framework by said hangers when in folded position.

3. A convertible bed structure comprising a framework, a three-section foldable spring mattress, the sections having connection only with the framework through the medium of the rear section and a pair of hangers forming the sole direct connection between the framework and the rear section of the mattress whereby the sections are hung from the framework by said hangers when in folded position, said sections being foldable to form a space for the bedding and housed when folded within said framework, said

hangers assuming a substantially horizontal position when the sections are unfolded so that the pivotal connections thereof with the framework and rear section are in substantial alinement.

4. A convertible bed structure comprising a framework, a three-section foldable spring mattress, the sections having connection only with the framework through the medium of the rear section and a pair of hangers forming the sole direct connection between the framework and the rear section of the mattress whereby the sections are hung from the framework by said hangers when in folded position, and a reversible, non-rotatable seat also having connection with the framework and with the rear section whereby when the seat is reversed, the folding sections are automatically raised and shifted forward in readiness to be unfolded.

5. A convertible bed structure comprising a framework and a three-section foldable spring mattress consisting only of a front, a middle and a rear section hinged together and housed when folded within said framework and openable to form a full-length bed transversely of the length of the framework, and a single pair of hangers forming the only direct linkage connection between the sectional mattress and the framework, each pivotally connected at one end to one end of the rear section and at its opposite end to the framework whereby when the sections are folded they are hung at the rear thereof from the framework through the medium of said hangers.

6. A convertible bed structure comprising a framework and a three-section shiftable spring mattress consisting of a front, a middle and a rear section hinged together and openable to form a full length bed transversely of the length of the framework, said sectional mattress being supported on the framework through the medium only of the rear section, a pair of hangers, one at each end pivotally connected to the rear section and to said framework, said hangers forming the sole direct connection of the sectional mattress with the framework and whereby said sections are hung from the framework at the rear thereof when in folded position.

7. A convertible bed structure comprising a framework and a three-section spring mattress comprising a front, a middle and a rear section hinged together and housed within said framework and openable to form a full length bed transversely of the framework, the three sections being connected with the framework through the medium of the rear section only, a reversible seat, the framework having a shiftable front board connected with said seat whereby on reversing the seat the sections may be raised and shifted forwardly in readiness to be un-

full length bed transversely of the length of the sections, and means connecting the three sections to the framework through the medium only of the rear section and including a pair of hangers having pivotal connection with the framework and with the rear section only whereby the sections when folded are hung from the framework.

15. A convertible bed structure comprising a framework and a three-section spring mattress comprising a front, a middle and a rear section hinged together and housed within said framework and openable to form a full length bed transversely of the framework, the rear shiftable section having a direct linkage connection only with the framework at the rear side of such rear section, said linkage connection comprising a pair of hangers, one at each end of the rear section, the pivotal connections of each hanger being substantially in horizontal alinement when the mattress sections are unfolded and substantially in vertical alinement when folded whereby the folded sections are hung at the rear thereof from the framework, a reversible seat connected with said framework, the rear section having an indirect connection with the framework through the medium of said seat whereby all the sections are connected with the framework only through the medium of the rear section whereby when the seat is reversed the folded mattress sections may be raised and shifted forward in readiness to be unfolded, said seat having an automatically shiftable means connected therewith and with the framework for supporting said seat at its underside when reversed and said front section also having an automatically shiftable supporting means connected therewith and the middle section.

16. A convertible bed structure comprising a framework, and a sectional spring mattress openable to form a bed and including a shiftable inner section, said inner section having a shiftable portion adapted to be thrown over to permit access to the framework below the sectional mattress.

17. A convertible bed structure comprising a framework, and a sectional spring mattress openable to form a bed and including a shiftable inner section and supported from the framework when in its folded position by a hanging link at each end thereof, said inner section having a shiftable mattress portion normally forming a part of said inner section and adapted to be thrown over to permit access to the framework below such inner section.

18. A convertible bed structure comprising a framework, and a three-section shiftable spring mattress consisting of an inner, an outer and an intermediate section hinged together and openable to form a full length

bed transversely of the length of the framework, said inner section having a shiftable mattress portion normally moving therewith and adapted to be thrown over to permit access to the framework below such inner section.

19. A convertible bed structure comprising a framework, and a three-section shiftable spring mattress consisting of an inner, an outer and an intermediate section hinged together and openable to form a full length bed transversely of the length of the framework, said inner section having a shiftable mattress portion normally moving therewith and adapted to be thrown over to permit access to the framework below such inner section, said sectional mattress having a connection with the framework through the medium of a pair of hangers pivotally connected to the inner section and said framework.

20. A convertible bed structure comprising a framework, a three-section shiftable spring mattress consisting of an inner, an outer and an intermediate section hinged together and openable to form a full length bed transversely of the length of the framework, said inner section having a shiftable mattress portion hinged thereto and normally moving therewith and adapted to be thrown over to permit access to the framework below said inner section, and a reversible seat connected with the inner section only of the sectional spring mattress and shiftable therewith below the sectional spring mattress on the opening of said mattress.

21. A convertible bed structure comprising a framework, a three section shiftable spring mattress consisting of an inner, an outer and an intermediate section hinged together and openable to form a full length bed transversely of the length of the framework, said inner section having a shiftable mattress portion hinged thereto and normally moving therewith and adapted to be thrown over to permit access to the framework below said inner section, and a reversible seat connected with the sectional spring mattress and shiftable therewith below the sectional spring mattress on the opening of said mattress, said sectional mattress having a connection with the framework through the medium of a pair of hangers pivotally connected to the inner section and said framework.

22. A convertible bed structure comprising a framework, a three-section shiftable spring mattress consisting of an inner, an outer and an intermediate section hinged together and openable to form a full length bed transversely of the length of the framework, said inner section having a shiftable mattress portion hinged thereto and nor-

folded, and a pair of hangers pivotally connecting the rear section with the framework and forming the sole direct connection between said sections and the framework.

8. A convertible bed structure comprising a framework and a three-section spring mattress comprising a front, a middle and a rear section hinged together and housed within said framework and openable to form a full length bed transversely of the framework, the three sections being connected with the framework through the medium of the rear section only, a reversible seat, the framework having a shiftable front board connected with said seat whereby on reversing the seat the sections may be raised and shifted forwardly in readiness to be unfolded, and a pair of hangers pivotally connecting the rear section with the framework and forming the sole direct connection between said sections and the framework, said hangers having a substantially horizontal position when the sections are unfolded whereby the pivots thereof are in substantial alinement and a substantially vertical position when the sections are folded whereby the sections are hung at the rear thereof from a point on the framework above said lower section.

9. A convertible bed structure comprising a framework and a three-section spring mattress comprising a front, a middle and a rear section hinged together and housed within said framework and openable to form a full length bed transversely of the framework, a pair of hangers, one at each end of the rear section, the pivotal connections of each hanger being substantially in horizontal alinement when the mattress sections are unfolded and substantially in vertical alinement when folded whereby the folded sections are hung at the rear thereof from the framework, and a reversible seat connected with said framework and with the rear section only of said sectional mattress whereby when the seat is reversed the folded mattress sections are automatically raised and shifted forward in readiness to be unfolded.

10. A convertible bed structure comprising a framework and a three-section spring mattress comprising a front, a middle and a rear section hinged together and housed within said framework and openable to form a full length bed transversely of the framework, a pair of hangers, one at each end of the rear section, the pivotal connections of each hanger being substantially in horizontal alinement when the mattress sections are unfolded and substantially in vertical alinement when folded whereby the folded sections are hung at the rear thereof from the framework, and a reversible seat connected with said framework, and with said rear section whereby when the seat is

reversed the folded mattress sections are substantially raised and shifted forward in readiness to be unfolded, all of said mattress sections being connected with the framework through the medium only of the rear section.

11. A convertible bed structure comprising a framework having a stationary back, a reversible seat, and a three-section shiftable spring mattress consisting of an outer, an inner and a rear section hinged together and openable to form a full length bed transversely of the length of the framework, and a pair of hangers connected to the rear section and to the framework and forming the only direct linkage connection of the sectional mattress with the framework whereby the sections when folded are hung at the rear thereof from said framework.

12. A convertible bed structure comprising a framework, a seat hinged thereto and adapted to be swung to the front of the framework, a three-section spring mattress comprising a front, a rear and a middle section hinged together and openable to form a full length bed transversely of the length of the framework and connected with the seat through the medium of the rear section only and in such manner that the weight of the folded sections will be in the rear of such connection, and a direct linkage connection between the three sections and the framework through the medium only of the rear section and at the rear only of said section.

13. A convertible bed structure comprising a framework, a seat hinged thereto and adapted to be swung to the front of the framework, a sectional spring mattress comprising a front, a rear and a middle section hinged together and openable to form a full length bed transversely of the length of the framework and connected with the seat through the medium of the rear section only and in such manner that the weight of the folded sections will be in the rear of such connection, and a direct linkage connection between the three sections and the framework through the medium only of the rear section at the rear only of said section and comprising a pair of links connected to the rear of said section and to the framework in the rear of said section, said framework having a shiftable front side connected with the seat whereby on shifting the seat said side will be shifted to permit the sectional mattress to be shifted forward and raised.

14. A convertible davenport bed comprising a framework, a reversible seat and a three-section spring mattress comprising a front, a middle and a rear section, all the sections of which are of less width than the width of the framework but of sufficient width when unfolded to form the ordinary

ably moving therewith and adapted to be thrown over to permit access to the framework below said inner section, a reversible seat connected with the sectional spring mattress through the medium only of the inner section and shiftable below the sectional mattress on the opening thereof, and a single pair of hangers pivotally connected to the inner section and said framework whereby said sectional mattress has its sole connection with the framework through the medium of the inner section thereof.

23. A convertible bed structure comprising a framework, a sectional spring mattress having a rear section, and a reversible, non-rotatable seat, the reversible seat having connection with the sectional mattress only through the medium of the rear section.

24. A convertible bed structure comprising a framework, a sectional spring mattress having a rear section, means connecting the sectional mattress with the framework through the medium of the rear section only, a reversible, non-rotatable seat, and means connecting the seat with a single section only of the sectional mattress.

25. A convertible bed structure comprising a framework, a sectional spring mattress having a rear section, and a reversible, non-rotatable seat, the sectional mattress having connection with the framework only through the medium of the rear section and the reversible seat having connection with the sectional mattress only through the medium of said rear section.

26. A convertible bed structure comprising a framework and a sectional spring mattress openable to form a bed and including a shiftable rear section connected to the framework, and a reversible, non-rotatable seat also connected to the framework and the sectional mattress, the connection of the seat with the sectional mattress being only with the rear section thereof and the connection of the sectional mattress with the framework being through the medium only of the rear section whereby the mattress sections may be unfolded subsequent to the reversal of the seat and may be manipulated to fold and unfold the same without the additional weight of the seat.

27. A convertible bed structure comprising a framework and a three-section spring mattress openable to form a full length bed transversely of the length of the framework and including a shiftable rear section connected to the framework, and a reversible, non-rotatable seat connected to the framework and the sectional mattress in such manner that the weight of the folded sections is in the rear of such connection whereby such seat may be easily turned, the connection of the seat with the sectional mattress being only with the rear section thereof and the

connection of the sectional mattress with the framework being through the medium only of the rear section whereby the sections may be unfolded subsequent to the reversal of the seat and may be manipulated to fold and unfold the same without the additional weight of the seat.

28. A convertible bed structure comprising a framework and a sectional spring mattress openable to form a full length bed transversely of the length of the framework and including a shiftable rear section connected to the framework by a pair of hangers whereby when the sections are folded they are hung at the rear thereof from the framework through the medium of said hangers, and a reversible, non-rotatable seat having connection with the sectional mattress and the framework, the connection of the seat with the sectional mattress being only with the rear section thereof and the connection of the sectional mattress with the framework being likewise only through the medium of the rear section whereby the sections may be unfolded subsequent to the reversal of the seat and may be manipulated to fold and unfold the same without the additional weight of the seat.

29. A convertible bed structure comprising a framework and a three-section shiftable spring mattress consisting of a front, a middle and a rear section hinged together and openable to form a full length bed transversely of the length of the framework, said sectional mattress being supported on the framework through the medium only of the rear section, a pair of hangers connecting the rear section to the framework, said hangers forming the sole direct connection of the sectional mattress with the framework and whereby said sections are hung from the framework at the rear thereof when in folded position, and a reversible, non-rotatable seat having connection with the framework and the sectional mattress, the connection of the seat with the sectional mattress being only with the rear section thereof whereby the mattress sections may be unfolded subsequent to the reversal of the seat and manipulated to fold and unfold the same without the additional weight of the seat.

30. A convertible davenport bed comprising a framework, a reversible, non-rotatable seat and a three-section spring mattress comprising a front, a middle and a rear section, all the sections of which are of less width than the width of the framework but of sufficient width when unfolded to form a full length bed transversely of the length of the sections, means connecting the three sections to the framework through the medium only of the rear section and including a pair of hangers having pivotal connection with the framework and with the rear section only

whereby the sections when folded are hung from the framework, said reversible, non-rotatable seat having connection with the rear section only of the sectional mattress whereby the mattress sections may be unfolded subsequent to the reversal of the seat thereby to lessen the weight in the handling of the parts and whereby a considerable portion of the sectional mattress will extend beyond the seat when the mattress is unfolded. 10

Signed at 1822 Park Row Building, New York city, New York, this 17th day of October, 1918.

JOSEPH LUPPINO.