

L. B. JEFFCOTT.
 CONVERTIBLE BED AND DAVENPORT.
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Fig. 3.

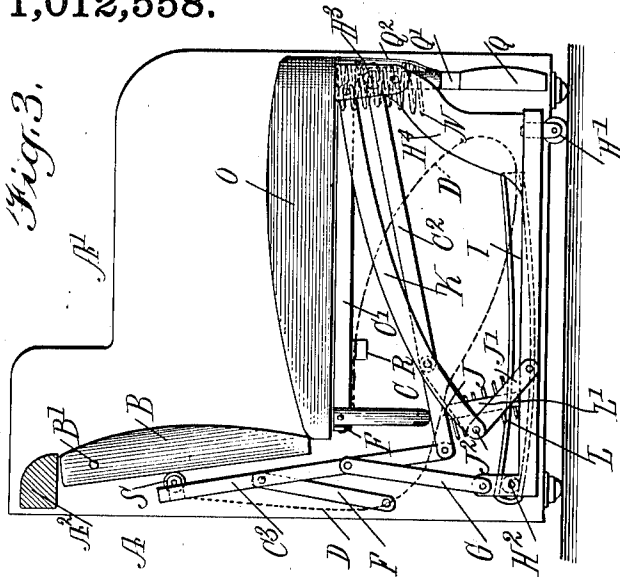


Fig. 1.

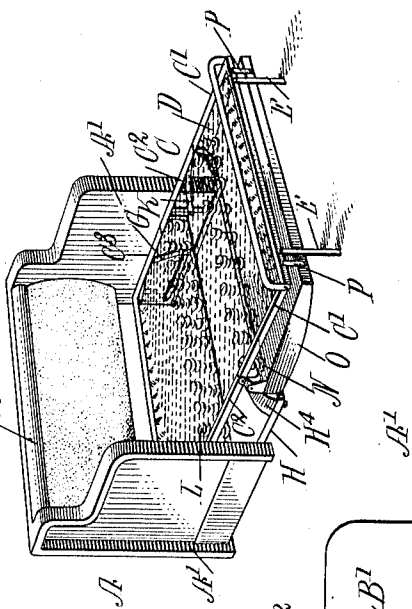
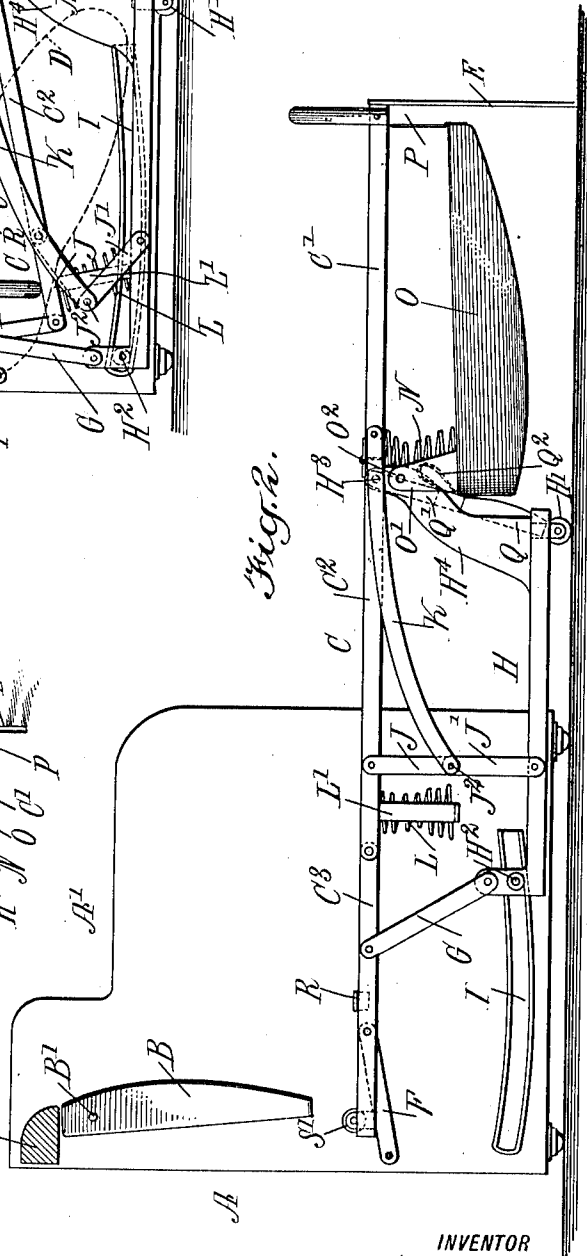


Fig. 2.



WITNESSES

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CONVERTIBLE BED AND DAVENPORT.

1,012,558.

Specification of Letters Patent.

Patented Dec. 19, 1911.

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To all whom it may concern:

Be it known that I, LEWIS B. JEFFCOTT, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Convertible Bed and Davenport, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved convertible bed and davenport, arranged to permit of convenient extension for use as a bed, or ready folding for use as a davenport.

For the purpose mentioned, use is made of a main frame, a slidable support adapted to pass between the sides of the main frame, a bed frame formed of front, rear and middle sections pivotally connected with each other, the rear section having a link connection with the main frame and with the said slidable support, the middle bed-frame section having a sectional link connection with the said support, and being also pivoted on the support, and the bed-frame section having a link connection with the said sectional link of the middle bed-frame section.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the convertible bed and davenport with the parts in extended position to form a bed. Fig. 2 is a longitudinal section of the same; and Fig. 3 is a like view of the same with the parts in folded position to form a davenport.

The main frame A of the convertible bed and davenport consists essentially of the sides A' rigidly connected with each other by a top cross bar A² below which is arranged a back B pivotally connected near its upper end at B' to the sides A' of the main frame A. The bed frame C is formed of a front section C', a middle section C² and a rear section C³, the sections being pivotally connected with each other, and the bed spring D is secured at its ends to the front end of the front bed-frame section C' and the rear end of the rear bed-frame section C³, and the front end of the front bed-frame section C' is provided with foldable legs E for supporting the outer end of the section C' on the floor when the bed-frame is

extended, as indicated in Figs. 1 and 2. The rear bed-frame section C³ is pivotally connected at its sides by links F with the sides A' of the main frame A, and the said section C³ is also connected by links G with the rear end of a slidable support H provided at the front end with casters H' and at the rear end with friction rollers H² mounted to travel in segmental guideways I held on the sides A' of the main frame A. The middle bed-frame section C² is pivoted at H³ on brackets H⁴ arranged on the front end of the slidable support H, and the rear portion of the said middle section C² is connected by sectional links J, J' with the said slidable support H. Links K pivotally connect the sides of the front bed-frame section C' with the pivot J² connecting the sections J, J' of the sectional links with each other, the arrangement being such that when the bed frame is extended, as shown in Figs. 1 and 2, then the links K hold the sectional links J, J' in extended or vertical position, to insure a proper support of the middle bed-frame section C² from the slidable support H.

In order to support the bed spring D intermediate its ends, use is made of two rows of springs L and N, of which the row of springs L is mounted on a V-shaped bar L' secured at its sides to the sides of the middle bed-frame section C². The row of springs N is supported on a seat O, connected at one end by a flexible connection P with the front end of the front bed-frame section C', while the other end of the seat O is provided with brackets O' pivoted at O² to the bracket H⁴ of the slidable support H. Thus when the bed frame sections are extended, the bed spring D is firmly stretched on the bed frame C and is supported between its ends by the two sets or rows of springs L and N. A front board Q is attached at its top edge to a U-shaped link Q' pivoted on the pivot H³, previously mentioned, and connecting the bracket H⁴ with the middle bed-frame section C², and a piece of fabric Q² or other flexible material connects the upper end of the board Q with the seat O, so that when the parts are in folded position to form a davenport, then the board Q and the fabric Q² extend downward from the seat O between the sides A' of the main frame A, to give a finished appearance to the davenport.

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The sides A' of the main frame A are provided with supporting lugs R for the sides of the front bed-frame section C' to rest on at the time the bed frame is folded and the device forms a davenport, as plainly indicated in Fig. 3, with the seat O resting on top of the front bed-frame section C'. The rear end of the rear bed-frame section C³ is provided with rollers S adapted to travel on the rear face of the back B at the time the parts are moved into a folded position, so as to swing the back B forward with a view to move its lower end against the rear end of the seat O, as will be readily understood by reference to Fig. 3.

When the parts are in an extended position, as shown in Figs. 1 and 3, then the support H is partly drawn out from between the sides of the main frame A to properly assist in supporting the extended bed frame, the front end of which is supported by the legs E while the rear end is supported by the links F and G. Now when it is desired to convert the bed into a davenport, the user folds the legs E against the end of the front bed-frame section C' and then swings the same rearwardly to cause the links K to open the sectional links J, J' with a view to swing the middle bed-frame section C² downward, and at the same time an inward pushing movement is given to the section C' and the support H to cause the rear bed-frame section C³ to swing upwardly with the rollers S engaging the rear face of the back B, to swing the same forward as previously explained.

It is understood that when the front bed-frame section C' is swung over into a folded position it rests on the lugs R and the seat O seats itself on the front bed-frame section C' and the fabric Q² is stretched by the seat O so as to form with the board Q a neat front for the davenport.

By making the guideways I in segmental shape and having friction rollers H² of the support traveling in the said guideways, it is evident that when the parts are moved into a folded position they readily fold without danger of binding as the support H is free to swing up and down with the casters H' as a fulcrum and the friction rollers H² as a means for imparting a swinging motion to the support.

It is understood that by the arrangement described a very firm bed is provided when the parts are extended, and the parts can be readily folded to form a complete davenport of neat appearance.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A convertible bed and davenport, comprising a main frame, a slidable support, a bed frame made in front, rear and middle sections pivotally connected with each other,

links connected with the said rear bed-frame section, one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, and a link connecting the front bed-frame section with the said sectional link.

2. A convertible bed and davenport, comprising a main frame, a slidable support, a bed-frame made in front, rear and middle sections pivotally connected with each other, links connected with the said rear bed-frame section, one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, a link connecting the front bed-frame section with the said sectional link, and foldable legs on the outer end of the front bed-frame section to support the said front bed-frame section when extended.

3. A convertible bed and davenport, comprising a main frame, a slidable support, a bed frame made in front, rear and middle sections pivotally connected with each other, links connected with the said rear bed-frame section, one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, a link connecting the front bed-frame section with the said sectional link, and a seat hung with one end on the said outer bed-frame section and pivotally connected at its other end with the said slidable support.

4. A convertible bed and davenport, comprising a main frame, a slidable support, a bed frame made in front, rear and middle sections pivotally connected with each other, links connected with the said rear bed-frame section; one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, a link connecting the front bed-frame section with the said sectional link, and guideways on the sides of the said main frame and engaged by the said slidable support.

5. A convertible bed and davenport, comprising a main frame, a slidable support, a bed frame made in front, rear and middle sections pivotally connected with each other, links connected with the said rear bed-frame section, one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, a link connecting the front bed-frame section with the said sectional link, a bed spring attached at its ends to the ends of the said

bed-frame, and a row of springs for the bed spring to rest on and supported by the said middle bed-frame section.

6. A convertible bed and davenport, comprising a main frame, a slidable support, a bed frame made in front, rear and middle sections pivotally connected with each other, links connected with the said rear bed-frame section, one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, a link connecting the front bed-frame section with the said sectional link, a seat hung with one end on the said outer bed-frame section and pivotally connected at its other end with the said slidable support, a bed spring attached at its ends to the ends of the said bed frame, and a row of springs for the bed spring to rest on and supported by the said seat.

7. A convertible bed and davenport, comprising a main frame, a slidable support, a bed-frame made in front, rear and middle sections pivotally connected with each other, links connected with the said rear bed-frame section, one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, a link connecting the front bed-frame section with the said sectional link, a seat hung with one end on the said outer bed-frame section and pivotally connected at its other end with the said slidable support, a bed spring attached at its ends to the ends of the said bed-frame, a row of springs for the bed spring to rest on and supported by the said seat, and a second row of springs for the said bed spring to rest on and supported by the said middle bed-frame section.

8. A convertible bed and davenport, comprising a main frame having a pivoted back, a slidable support adapted to pass between the sides of the main frame, a bed frame made in front, rear and middle sections pivotally connected with each other, a link connecting the rear bed-frame section with the said main frame, a link connecting the said rear bed-frame section with the said support, a sectional link connecting the middle bed-frame section with the said support, a link pivotally connecting the said front bed-

frame section with the said sectional link, a seat carried by the said front bed-frame section, means on the said rear bed-frame section for engagement with the said back to swing the latter forward against the said seat, and supporting means on the said frame for the front bed-frame section to rest on when the bed frame is folded.

9. A convertible bed and davenport, comprising a main frame, a slidable support, a bed frame made in front, rear and middle sections pivotally connected with each other, links connected with the said rear bed-frame section, one of the links being connected with the said main frame and the other with the said slidable support, a sectional link connecting the middle bed-frame section with the said slidable support, a link connecting the front bed-frame section with the said sectional link, a seat hung with one end on the said outer bed-frame section and pivotally connected at its other end with the said slidable support, and lugs on the said main frame for the outer bed-frame section to rest on when the bed frame is folded.

10. A convertible bed and davenport, comprising a main frame having a pivoted back, a slidable support adapted to pass between the sides of the main frame, a bed frame made in front, rear and middle sections pivotally connected with each other, a link connecting the rear bed-frame section with the said main frame, a link connecting the said rear bed-frame section with the said support, a sectional link connecting the middle bed-frame section with the said support, a link pivotally connecting the said front bed-frame section with the said sectional link, a seat carried by the said front bed-frame section, means on the said rear bed-frame section for engagement with the said back to swing the latter forward against the said seat, supporting means on the said frame for the front bed-frame section to rest on when the bed frame is folded, a front board pivotally supported by the said middle bed-frame section, and a flexible connection between the said front board and the said seat.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LEWIS B. JEFFCOTT.

Witnesses:

THEO. G. HOSTER,
JOHN P. DAVIS.