

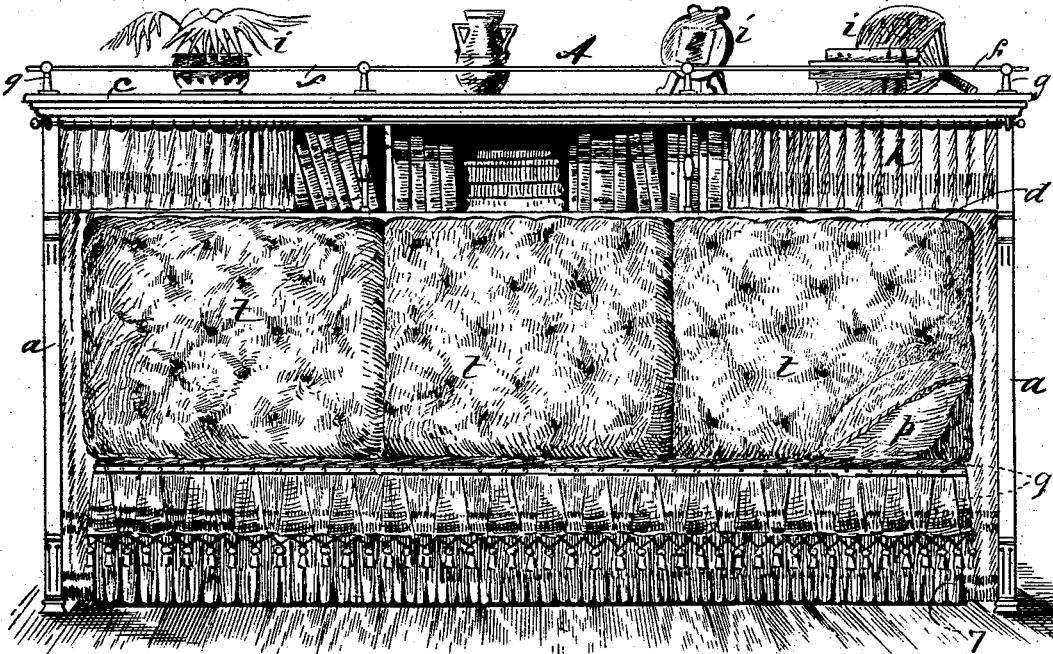
(No Model.)

2 Sheets—Sheet 1.

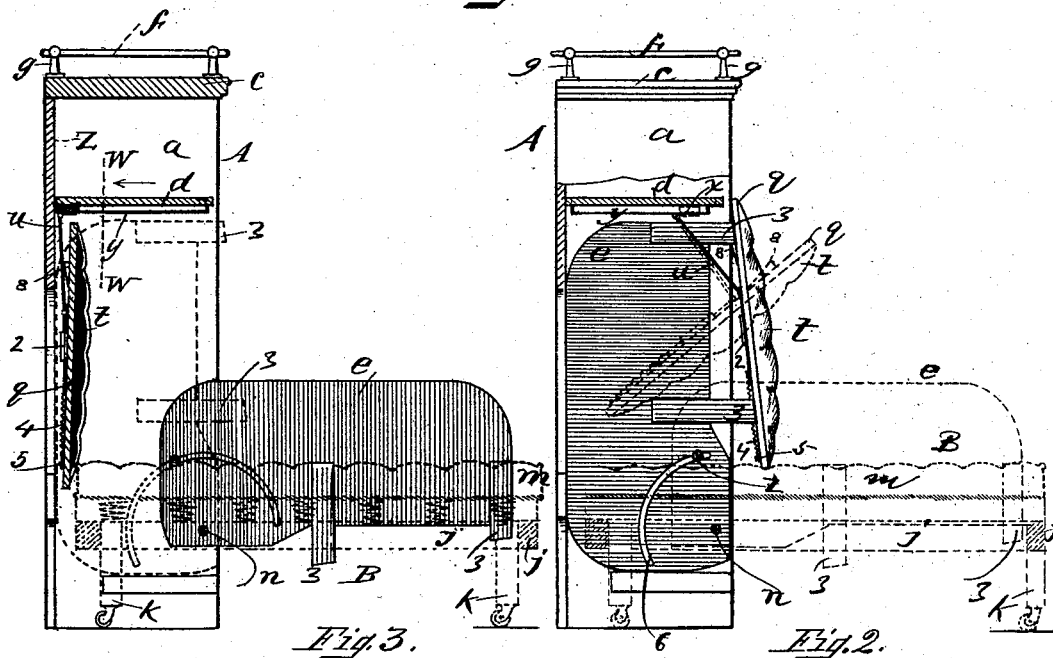
A. F. CONANT.  
BED.

No. 491,080.

Patented Feb. 7, 1893.



*Fig. 1.*



Witnesses.  
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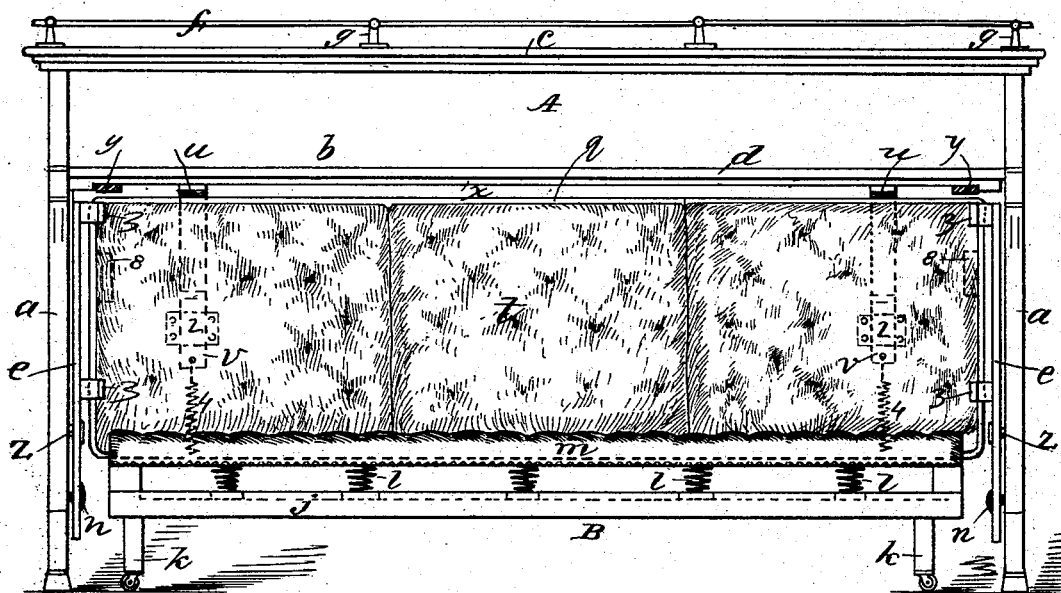


Fig. 4.

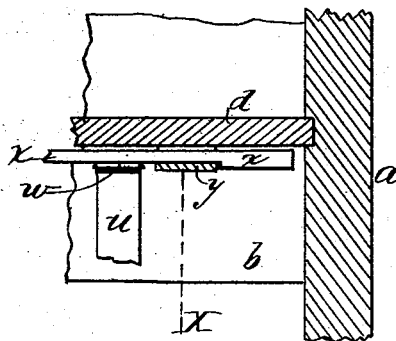


Fig. 5.

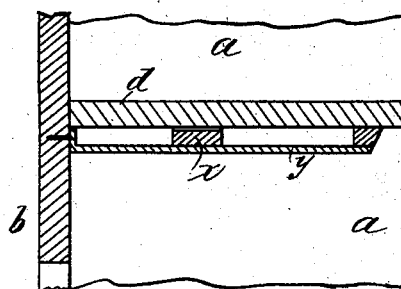


Fig. 6.

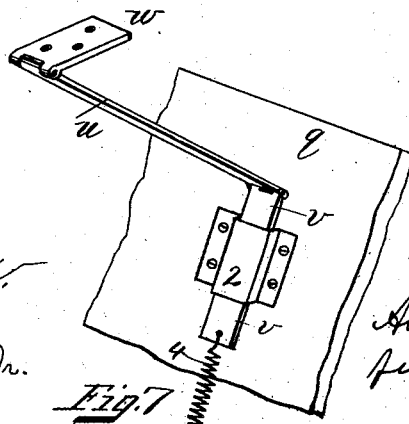


Fig. 7.

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# UNITED STATES PATENT OFFICE.

ALBERT FORBES CONANT, OF BOSTON, MASSACHUSETTS.

## BED.

SPECIFICATION forming part of Letters Patent No. 491,080, dated February 7, 1893.

Application filed December 8, 1890. Serial No. 373,906. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT FORBES CONANT, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Convertible Beds, which will, in connection with the accompanying drawings, be hereinafter fully described, and specifically defined in the appended claims.

In said drawings.—Figure 1, is a front elevation showing my invention as with the convertible bed arranged for use as a lounge. Fig. 2, is a vertical transverse section through Fig. 1; and with the parts as there arranged. Fig. 3, is a section similar to Fig. 2, but with the bed as arranged for use as such. Fig. 4, is a view similar to Fig. 1, but with the valance 7, and removable cover 9, omitted. Fig. 5, is a detached sectional elevation as on line W, Fig. 3, viewed as from the right therein. Fig. 6, is a detached vertical section taken as on line X, Fig. 5, and viewed as from the left therein. Fig. 7, is a detached perspective view showing the hinge and part of the back, in enlarged scale.

The object of my invention is to provide, at low cost, and with simplicity of construction, a bed that may be quickly converted into either a lounge or bed as desired, and which may be "made up" in the morning and then used during the day without disarranging the bed-clothes. And it consists in certain features of novelty and the combinations thereof, as will be hereinafter fully described and clearly claimed.

Referring again to the drawings; A, represents a book case or cabinet, which may be made with any desired degree of ornamentation, and which possesses the essential features of ends *a, a*, united by a back *b*; the shelf-like top *c*, the book supporting shelf *d*, secured in ends *a*, below *c*; to which may be added an ornamental metal rail *f*, supported in short standards *g, g*, secured to top *c*, and serving as a guard for the articles of ornament or use, shown at *i, i'*; while books *h*, may be arranged upon shelf *d*, as shown.

The bed is shown at B, and as formed with the rails *j*, and legs *k, k*. The upholstery is shown at *m*, and as resting upon springs *l*, which latter may or not be employed as preferred. This bed is made of

the desired width, and may be provided with the ornamental removable head rest or cushion *p*, which may thus be in place when the bed is used as a sofa or lounge. A back *q*, suitably upholstered as at *t*, and of a width to extend from shelf *d*, down to and somewhat into upholstery *m*, to slightly compress the same, is secured in place by the link like hinges *u*, one end of which is pivoted to plate *v*, secured upon the back *q*, by clamp 2, while the opposite end is pivoted to plate *w*, that is secured to bar *x*, that slides upon bar *y*, secured beneath the shelf *d*. One of the bars *y*, is thus secured near each end of the book-case, while bar *x*, extends the length thereof, and a hinge is secured to said bar *x*, and back *q*, near each end, as is shown at one end in Fig. 5, and as shown by dotted lines in Fig. 4.

The pivot plates *v*, to which hinges *w*, are pivoted, slide freely in clamps 2, and to their lower ends is secured a helical spring 4, which at its lower end is attached to stud 5, secured in the back.

At the ends of the book-case I arrange the head and foot boards *e*, pivoted at *n*, to ends *a*, and having a supporting stud *z*, that passes through the curved slot 6, whereof *n*, is the radius point. When the bed is used as such, back *q*, is arranged at the back of the book case, as in Fig. 3, and the head and foot boards are turned down as there shown. When arranged as a sofa or lounge, the boards *e*, are turned up within the book-case, as shown in Fig. 2, and back *q*, is brought forward and positioned as there shown, its lower edge resting upon cushion *m*, while it is supported in rear by studs 3, of the head and foot boards, projections 8, on the back catching beneath the upper studs 3, and thereby holding the back in place. To allow back *q*, to pass between studs 3, when in the position shown in Fig. 3, the back is forced downward, thereby extending spring 4, when the upper edge of the back is moved to the front, thereby moving the sliding bar *x*, forward, when the back may be moved outward between studs 3, as indicated by dotted lines in Fig. 2, after which it is positioned as indicated in said figure. To return the back to the rear of the book-case, the reverse movement occurs, the spring yielding to pressure allowing the back to be moved edgewise to the requisite extent,

but sustaining the back, when the downward pressure occurs, in the position shown in Fig. 3, and always aiding in holding the back suspended, for its easy manipulation as specified.

5 As the bed remains always level, it may with the exception of the pillow be made in the morning ready for the next night's occupancy, as the use as a lounge does not disturb the bed clothes. And further it may, in a few mo-  
10 ments, by merely moving the back upon its pivotal and sliding supports, be without difficulty or material labor changed to either condition as desired.

A removable cover shown at 9, and corre-  
15 sponding in material with covering *t*, of the back, is provided to be placed upon the bed during the day, and is removed at night when the bed is to be occupied as such.

It will be obvious that various changes in  
20 details may be made without departing from the essential nature of my invention, which consists in a bed provided with an adjustable back, which can be moved out of the way when the bed is used as such, and when used as a  
25 sofa or lounge, the back is adjusted to serve not only as a back, but to partition off and hide such portion of the width of the bed as is not then required. And it also consists in combining the bed with a cabinet or book  
30 case, that has a length to receive the bed and a width to receive so much of the width of the bed as is not utilized when it is used as a sofa or lounge; the cabinet also serving as a means of attachment for the supports of the back  
35 when being adjusted.

I claim as my invention.

1. The combination of cabinet A, having

requisite space between its ends *a*, *a* and below shelf *d*, bed B formed to be in part arranged in the space in the cabinet as shown; 40 the sliding bar *x* arranged beneath said shelf and thereto secured with adaptation for a forward and back sliding motion, and adjustable back *q*, pivotally attached to said bar, substantially as specified. 45

2. The combination with back *q* of bar *x* arranged beneath shelf *d* to slide forward and back, hinge *u* secured to back *q*, the pivot plates *v*, connected with hinge *u* and secured to back *q*, the guiding clamp 2 and spring 4 50 attached to the plate and back, substantially as specified.

3. The combination with cabinet B, and the bed, of the head and foot boards, pivotally attached to the ends of the cabinet and ar- 55 ranged to be turned up and down, substantially as specified.

4. The combination with cabinet A, of bar *x*, arranged therein to slide from front to rear; the adjustable back *q*, and the hinges *u*, piv- 60 otally attached to said bar and back, substantially as specified.

5. In a convertible bed, the combination of the inclosing case, the folding head and foot boards provided with the studs 3, and the back 65 hinged to the case and provided with projections 8, arranged to engage beneath said studs when the back is thereby supported, substantially as specified.

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