

A. LEE.

BED.

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1,068,508.

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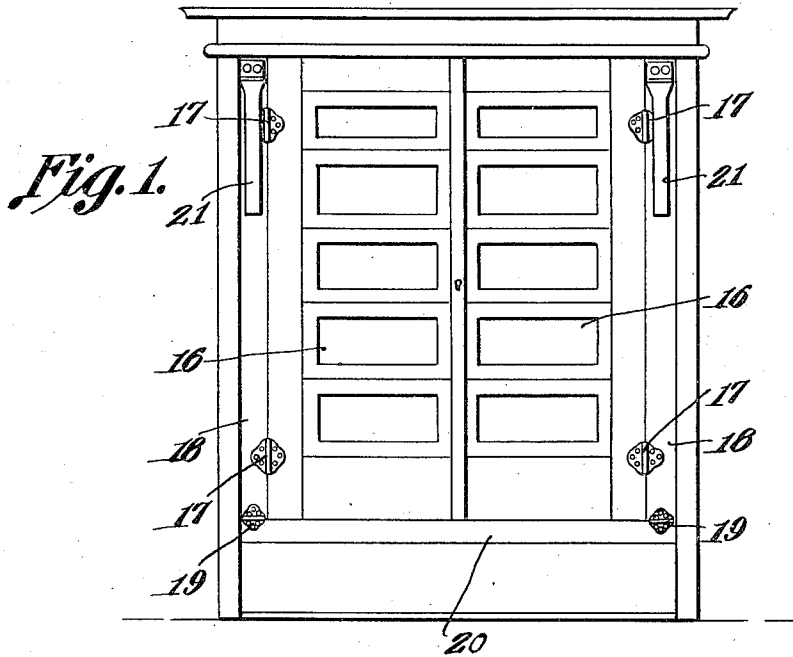
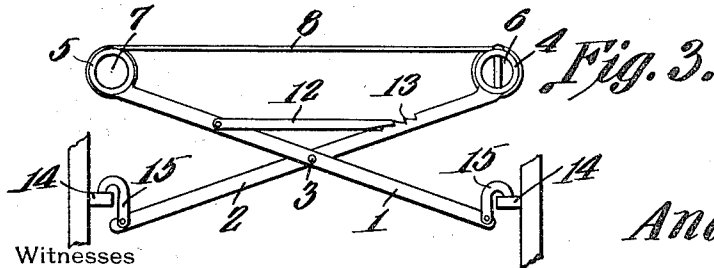
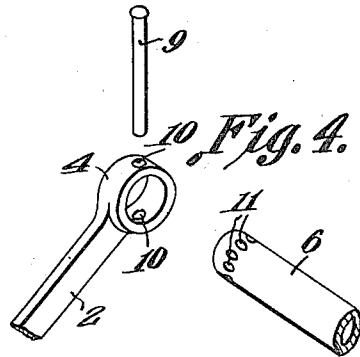
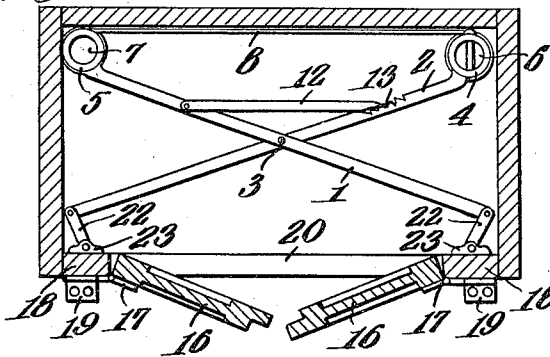


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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To all whom it may concern:

Be it known that I, ANDERSON LEE, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented a new and useful Bed, of which the following is a specification.

This invention relates to a collapsible or extensible bed.

10 An object is to provide a supporting frame for a canvas bed which may be applied to the frame of an ordinary bed and the height above the latter adjusted.

Another object is to provide a collapsible bed adapted to be connected to the inner surface of the door of a wall cabinet and may be disposed within the cabinet during the non-use of the bed.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the drawings accompanying this specification and forming a part thereof, the preferable form of my invention is illustrated, in which:—

Figure 1 is a view in elevation of a cabinet upon the inner surface of the door of which my improved bed is supported. Fig. 2 is a vertical cross sectional view thereof. Fig. 3 is an end view of my improved collapsible bed supported above the rails of an ordinary bed. Fig. 4 is a detail view of some of the parts of which my improved bed frame consists.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 and 2 are the end cross bars with the pivotal connection 3 therebetween. The upper terminals of these cross bars are enlarged and provided with the eyes 4 and 5. These eyes support therein the canvas retaining rods 6 and 7. As illustrated in Fig. 4 the canvas carrying rod 6 is provided with a number of apertures extending therethrough adjacent the ends thereof, these apertures adapted to register with apertures formed in the eyes 4 of the frame member 2.

The rod 7 has rigidly secured thereto one

end of the canvas support 8, it being understood in this connection that the support 8 need not necessarily be of canvas but may be of any other suitable material. The canvas or support 8 which in the present, instance takes the place of the usual spring is secured to the bar 6 which is rotatably mounted within the eyes as heretofore mentioned. The canvas is adapted to be rolled upon this bar and the bar held in a non-rotatable manner by means of a suitable pin 9 or other suitable retaining means engaging the registering openings of the eye and the rod apertures 10 and 11.

Pivotally mounted upon the cross bar frame 1 is the brace rod or latch member 12 which is adapted to engage suitable notches 13 formed upon the frame member 2. In order to secure my improved bed to the rails 14 of an ordinary bed, suitable engaging hooks 15 are pivotally mounted upon the lower extremities of the frame members 1 and 2.

From the foregoing it will be apparent that the adjustable bed herein described may be mounted upon any ordinary bed frame regardless of the width thereof, it being apparent that the canvas or support 8 may be rolled or unrolled from the rod 6 which will allow the members 1 and 2 to swing upon the pivotal joint 3 and thereby adjust themselves to the width of the bed. It is to be further noted that by rolling the canvas 8 upon the rod 6 will tend to raise the bed above the rails and the pivotal hooks 15 being of considerable length will allow for a large radius of adjustment. In order to prevent the eyes 4 and 5 of the frame members from approaching each other, the latch brace member 12 is provided and is adapted to engage the suitable notches 13 provided therefor. The said construction herein described may be used by camping parties, it being understood that should the bed be put to the latter use, the lower ends of the cross frame members 1 and 2 will rest directly upon the ground and the height of the canvas cover 8 thereabove may be adjusted according to the preference of the user.

In Figs. 1 and 2 I have illustrated a further use to which my improved bed construction is adapted to be placed, it being understood that the use hereinafter described is one in which floor space is somewhat limited, such an occasion arising on board a boat. In

Fig. 1, the drawing represents a cabinet provided with the hinged doors 16 hingedly mounted as at 17 upon the door frame 18. The door frame 18 is hingedly connected as at 19 to the cross bar 20. Hingedly mounted upon the upper portion of the door frame 18 are the legs 21 which are adapted to support the door frame in a horizontal manner when the latter is swung down on the hinges 19. Thus when it is desired to use my improved bed, the door 16 and frame 18 are swung down upon the hinges 19 and are supported in a horizontal manner by the depending legs 21. The frame members 1 and 2 which are secured to the inner surface of the door frame 18 by means of the links and bearing 22 and 23 respectively may then be raised to any desired height and maintained in this position by a suitable unrolling or rolling of the canvas supporting rod 6. The pin or holding means 9 is inserted within the openings 10 in the eyes 4 and engage suitable apertures 11 in the bar 6, all of which will be apparent by reference to the drawing.

From the foregoing it will be apparent that I have provided an extensible or collapsible bed which may be raised and maintained in that position. Furthermore, the canvas carrying rods are provided with suitable means to prevent the end frame members 1 and 2 from spreading apart, the entire construction being preferably formed of steel bars or rods or tubes and the entire construction being light, compact and easily folded, and may be used by camping parties and other similar service.

In the use of my improved bed fitting upon the inner surface of a cabinet as illustrated in Fig. 1, suitable clothes hanging

hooks, or other means, not shown, may be attached to the upper of the frame members 1 and 2 and the entire construction will thereby form a novel and useful article of furniture.

Having thus fully described and disclosed the operation and construction of my improved device, what I claim to be new and original with me is:—

1. An extensible bed comprising end frames of pivotally connected cross members, said members provided with eyes formed integral with their upper ends, bars extending between said eyes, said bars carrying a flexible cover extending therebetween, one of said bars being mounted in a rotatable manner, means for locking said bar against rotation, means pivotally secured to the said cross members for securing the same to a bed supporting structure.

2. An extensible bed comprising end frames of pivotally connected cross members, said members provided with eyes formed integral with their upper ends, bars extending between said eyes, said bars carrying a flexible cover extending therebetween, one of said bars being mounted in a rotatable manner, means for locking said bar against rotation, suitable hooks pivotally connected to the lower ends of said frame members adapted to engage bed rails.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of witnesses.

ANDERSON LEE.

Witnesses:

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