

E. LEHMANN.  
 CAMPING BED.  
 APPLICATION FILED MAY 4, 1908.

947,472.

Patented Jan. 25, 1910.

2 SHEETS—SHEET 1.

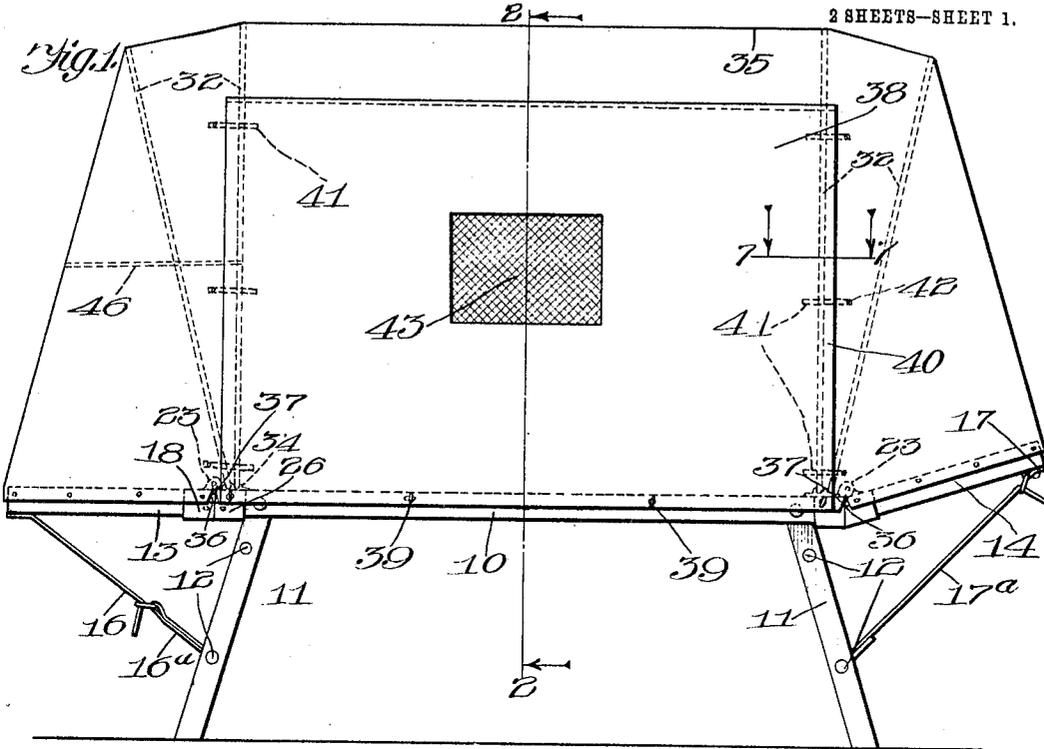


Fig. 2.

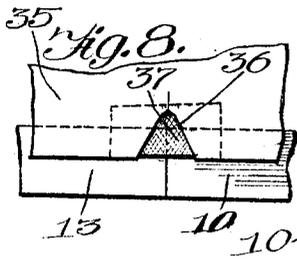
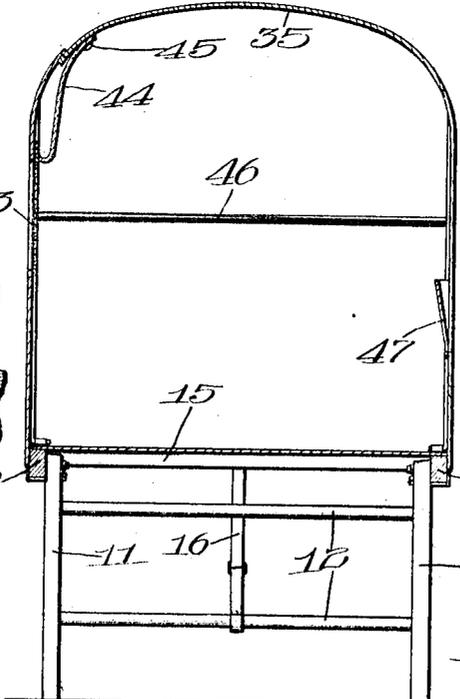
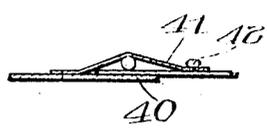


Fig. 7.



Witnesses:  
 P. H. Truman  
 J. M. Kellogg, Jr.

Inventor:  
 Emil Lehmann  
 by  
 Otto R. Barnett  
 Atty.

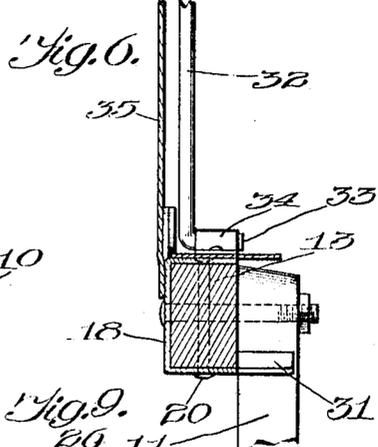
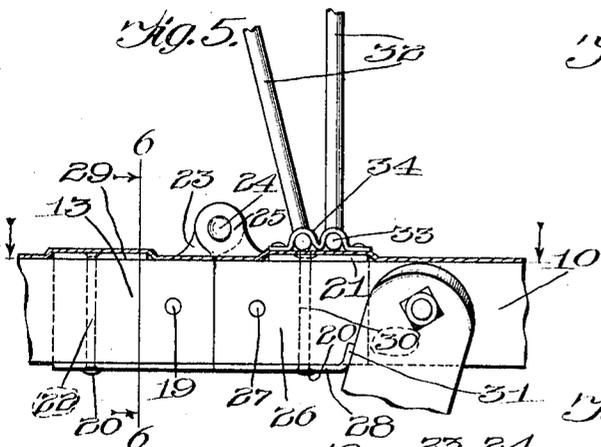
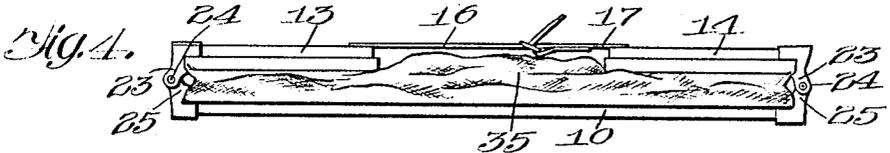
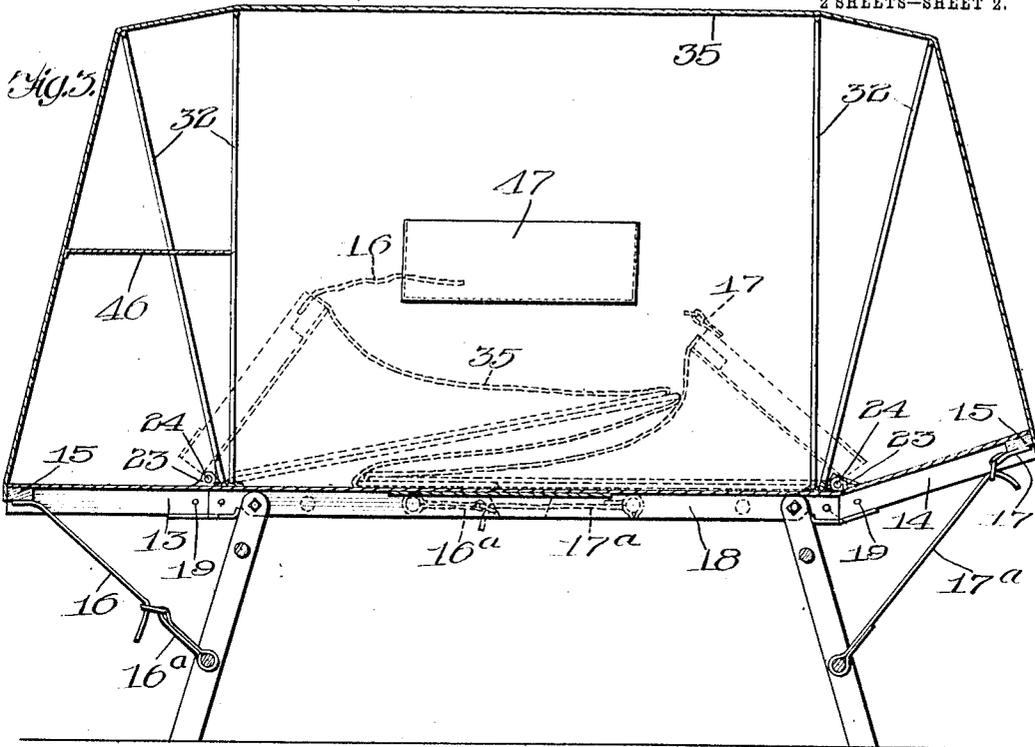
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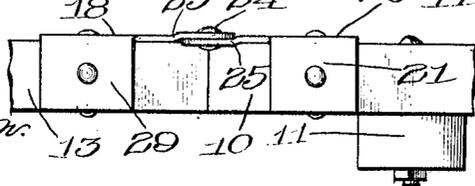
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2 SHEETS—SHEET 2.



Witnesses:  
P. Fruman  
J. H. Nelson Jr.



Inventor:  
Emil Lehmann  
by  
O. R. Barnett  
Att'y

# UNITED STATES PATENT OFFICE.

EMIL LEHMANN, OF HAMMOND, INDIANA, ASSIGNOR TO ENTERPRISE BED COMPANY,  
OF HAMMOND, INDIANA, A CORPORATION OF ILLINOIS.

## CAMPING-BED.

947,472.

Specification of Letters Patent. Patented Jan. 25, 1910.

Application filed May 4, 1908. Serial No. 430,764.

To all whom it may concern:

Be it known that I, EMIL LEHMANN, a citizen of the United States, residing at Hammond, in the county of Lake and State of Indiana, have invented certain new and useful Improvements in Camping-Beds, of which the following is a specification.

My invention relates to camping beds and has for its primary object to provide a bed having a tent or cover. Preferably the frame for the cover is integral with the bed and is collapsible and, in its most desirable embodiment, the entire device shall be light, strong and collapsible into small compass.

The invention has for further objects such new and improved constructions in camping beds and articles of like character as are shown in the accompanying drawings and described in the following specification.

The invention, in a preferred embodiment, is illustrated in the accompanying drawings, wherein—

Figure 1 is a side elevation of the camping bed set up. Fig. 2 is a section on the line 2—2 of Fig. 1, looking in the direction of the arrows. Fig. 3 is a longitudinal, vertical section through the bed set up, the dotted lines showing the bed partly collapsed. Fig. 4 is a side view of the bed collapsed. Fig. 5 is a detail in perspective, of the foot end of the bottom section, showing the hinge connecting the folding members of the bottom section and the attachment of one of the supports. Fig. 6 is a vertical section on line 6—6 of Fig. 5. Fig. 7 is a detail section on line 7—7 of Fig. 1. Fig. 8 is a detail showing the arrangement of the tent cover at the rear hinge; and Fig. 9 is a plan view of this hinge.

Like characters of reference indicate like parts in the several figures of the drawings.

The bed consists, generally speaking, of a bottom or bed section which is preferably folding or collapsible, and preferably provided with folding legs to support the bed section, and a top or tent section mounted on the bed frame and which, in the form shown, is collapsible so as to lie flat against the bottom section.

The bottom section preferably consists of two side rails, folding end frames hinged to the side rails, and a fabric which is stretched across the side rails and end frames. 10, 10 indicate the side rails. They are supported

by the pairs of legs 11 braced by the transverse braces 12. To one end of the side rails is hinged an end frame 13 which, when extended, lies in the same plane with the side rails. At the other end of the side rails is hinged a similar end frame 14, which, when extended, is tilted up somewhat from the plane of the side rails, so as to form a support for the pillow. A single strip of fabric 15 may be stretched across the whole bottom section.

One end of a strap 16 is secured to the end frame 13 and a strap 16<sup>a</sup>, having a buckle, to the transverse brace 12 of the supporting legs at this end of the bottom section. Similarly a strap 17, having a buckle, may be secured to end frame 14 and the strap 17<sup>a</sup> to the corresponding brace 12. These pairs of straps, or other equivalent devices, serve to keep the legs against the abutments and in proper supporting position so as to prevent any accidental collapsing of the supports and, at the same time, keep the folding ends of the bottom section properly extended and the fabric between the same taut. The same straps may be used for securing the parts together when the camping bed is collapsed, as shown in Fig. 4.

The end frames may be hinged to the side rails in any desired manner. I have shown, and prefer to use, a particular design of hinge, which is very strong and rigid and affords an abutment for the supports. One of these hinges is shown in detail in Figs. 5, 6 and 9. The part of the hinge on the end frame consists of a plate 18 which may be riveted through the wood of the end frame by rivet 19, or otherwise secured thereto and which is provided with right angle extensions or plates 20 and 21 lying below and above the frame, respectively, and connected together through the frame by the rivet or bolt 22. Plate 18 has the extension 23 which is connected by pivot 24 with a similar extension 25 on a plate 26 on the adjacent side rail, this plate being secured by rivet 27 and having extensions 28 and 29 below and above the rail secured together by rivet 30. The bottom extension 28 is provided with a lug 31 extending inwardly so as to form an abutment for the leg of the bed. The hinge described is one of the hinges at the foot of the bed; the hinge at the head of the bed is in all respects the same

except that the angular position of the parts are changed to conform to the slant of the end frame.

The tent or top section of the bed preferably consists of a plurality of folding supports over which is stretched a tent of canvas or other fabric. I have shown two of these supports at each end of the bed. They consist preferably of wire hoops 32 having their ends 33 bent over and extending into keepers 34 on the side rails. Any means might be employed for pivoting the hoops to the bed section. A fabric tent 35 is stretched over the supports and secured to the side rails and end frames. In order to accommodate for the folding of the end frames, the tent fabric has gussets 36 at these points which may be filled with pieces of elastic fabric 37. At one or both sides of the tent an opening is left which may be covered with a flap 38, which may be fastened down to the side rails over the carriage buttons 39 or in any other manner. Preferably the edge 40 of this flap extends over the edge of the tent. On the inside, the flap may be provided with flaps 41, by means of which it may be secured to the inside of the tent, snap fasteners 42 or other similar means being provided. Preferably the flap, when made of canvas or like fabric, has a central opening which is covered with mosquito netting 43, which can be covered by a curtain 44 provided with snap fasteners, or the like, 45, by means of which it may be fastened to the roof. Across one end of the tent is a strip of fabric 46, which forms a bag or shelf when the tent is extended. A pocket 47 may be provided on one of the inside walls.

As will be seen from Figs. 3 and 4, the bed may be collapsed and folded into very small compass. By unloosening straps 16 and 17, the end frames may be folded over on to the middle portion of the bed bottom, the hoops being preferably so arranged that they will fold in under the end frames, as will clearly be seen from the dotted line position of these parts in Fig. 3. The legs fold up alongside of the side rails. The bed folded up is shown in Fig. 4. It will be seen that it folds into a thin, comparatively short parcel. The parts may be held together by means of the straps 16 and 17.

I do not limit myself to the precise arrangements, constructions and devices shown and described, as the bed is capable of some modification without departure from my invention.

I claim:

1. In a camping bed, the combination with a folding bottom section, of a collapsible tent section which collapses within the folding members of the bottom section.
2. In a camping bed, the combination with a folding bottom section, of a collapsible tent

section which collapses within the folding members of the bottom section, and folding supports.

3. In a camping bed, the combination with a bottom section consisting of a central frame work, and end frames adapted to fold over on the central frame, of a tent section comprising supports pivoted to the bottom section, and a cover, said tent section collapsible so as to lie under the end sections when folded over.

4. In a camping bed, the combination with a bottom section comprising frames hinged together, of a plurality of supports pivoted to said bottom section, a cover extending over said supports and attached to the hinged frames, said cover having gussets at the hinges and elastic material in said gussets.

5. In a camping bed, the combination with a central frame, of an end frame, hinges connecting the end frame to the central frame, each of the members of which hinges consists of a top plate, a bottom plate, a side plate and a lug for the hinge pin extending from the side plate, and legs pivoted to the central frame, said hinges having inwardly extending abutments against which the legs abut.

6. In a camping bed, the combination with a central frame, of an end frame, and hinges connecting the end frame to the central frame, each of the members of which hinges consists of a top plate, a bottom plate, a side plate, and a lug for the hinge pin extending from the side plate.

7. In a camping bed, the combination with a bottom section comprising a plurality of folding members, of a collapsible tent section comprising a plurality of hoops pivoted on the bottom section, and a cover permanently secured to the bottom section, said tent section adapted to collapse within the folding members of the bottom section.

8. In a camping bed, the combination with a bottom section consisting of a central frame work and end frames which fold over on to the central frame work, of a tent section comprising supports pivoted to the central frame work, and a cover permanently secured to the bottom section, said tent section adapted to fold down flat upon the bottom section.

9. In a camping bed, the combination of a bottom section comprising a middle frame, and end frames hinged thereto, a tent section comprising a cover attached to the sides and ends of the end frames and to the middle frame, and folding cover supports pivoted to the middle frame; and folding legs on the middle frame, all of said parts being so connected as to fold together without detachment.

10. The combination with a folding bed bottom section, of a tent and tent supports collapsibly secured thereto and foldable

therewith, all so constructed and arranged that the unfolding of the bottom section to extended position will simultaneously set up the tent section.

5 11. In a combined folding bed and tent, a foldable frame, a tent consisting of supports and cover and means connected to the frame for holding said frame extended, said means also operating to hold the cover under tension.

10 12. In a combined folding bed and tent, a foldable frame, a tent consisting of supports and cover connected to the frame and means for holding said frame extended, said means also operative to hold said supports erect.

13. The combination with a cot bottom comprising a middle section and end sections connected thereto at each end, so as to be foldable thereover, of cot supports secured to said middle section, a tent secured to said end sections, and supports pivoted to said bottom, all so arranged that the extension of said end sections will take up the slack of said tent, so that said tent supports will be held in upright position by said tent.

EMIL LEHMANN.

Witnesses:

G. Y. SKINNER.  
H. L. PECK.