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J. M. LINE

PORTABLE BED FOR AUTOMOBILES OF THE SEDAN TYPE

Filed April 2, 1926

Fig. 1.

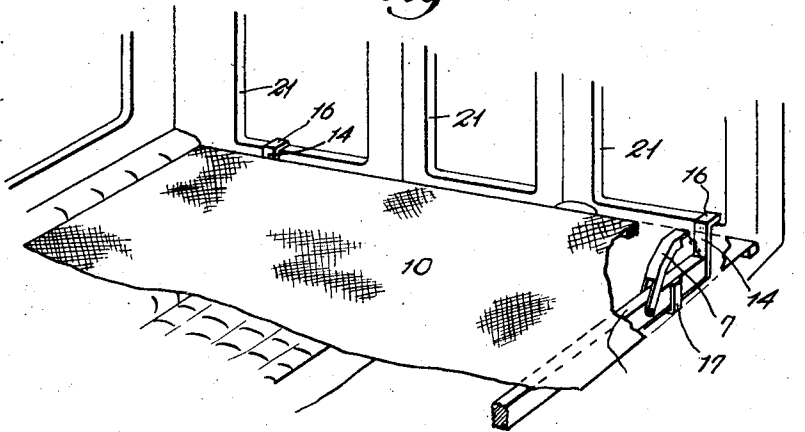


Fig. 2.

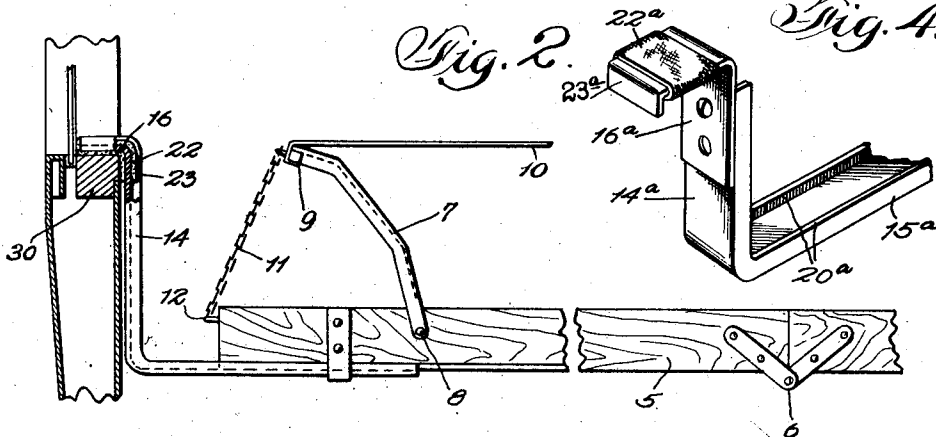


Fig. 4.

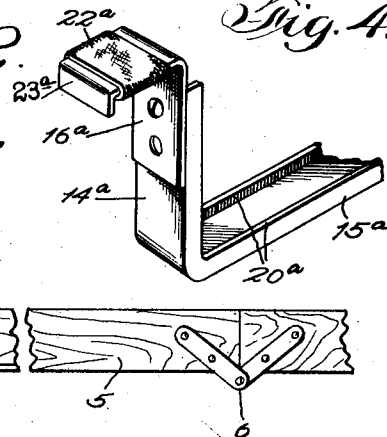
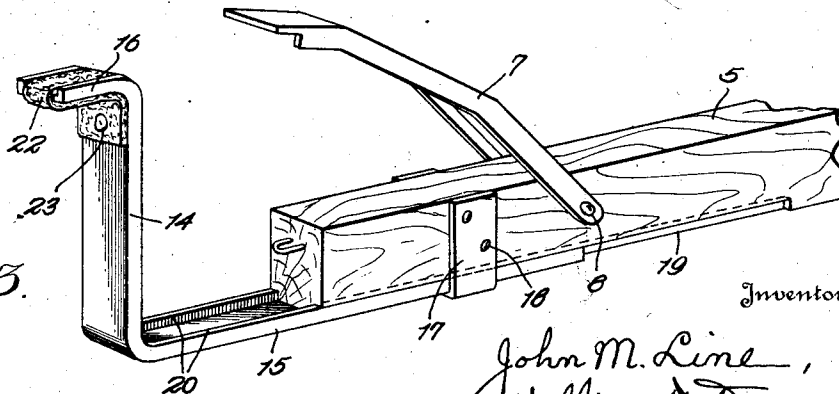


Fig. 3.



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PORTABLE BED FOR AUTOMOBILES OF THE SEDAN TYPE.

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This invention relates to improvements in portable beds and more particularly to that type adapted to be supported in motor vehicles for the use of the vehicle occupants.

5 The invention has for its object to provide a bed embodying such structural features as adapt it, when not in use, to be compactly folded and stored away and which is further provided with improved hangers specially
10 adapting the bed to be supported in operative position in sedans and similar closed types of vehicles.

A further object is the provision of a hanger capable of adjustment so as to adapt
15 it to vehicles of various sizes and which is connected with the frame structure of the bed in such manner as to afford a high degree of strength and stability.

In the accompanying drawing wherein an
20 approved embodiment of the invention is illustrated,

Fig. 1 is a fragmentary perspective view of the interior of a closed car showing the bed applied to use.

25 Fig. 2 is a fragmentary vertical sectional view through one of the windows of the motor vehicle showing the bed hanger and adjacent portions of the bed structure.

Fig. 3 is a detail perspective view of the
30 hanger.

Figure 4 shows a modified hanger.

Referring to the drawing in detail the numeral 5 indicates one of the two cross members of the bed frame, each of said members being formed in two parts and hinged
35 together at their adjacent ends as indicated at 6. Adjacent the outer extremities of each cross member an angular arm 7 is pivotally secured at 8 and is connected with the side
40 rail 9 secured to each side edge of the flexible bed bottom 10 formed of canvas or equivalent material. The outer end of each end 7 is connected with a chain 11 adjustably attached at 12 to the adjacent end of the cross
45 member 5 whereby the tension of the bed bottom 10 may be varied according to the weight to be imposed thereon.

The improved hanger includes a single piece of material, preferably channel iron
50 which is bent to provide the vertical intermediate portion 14 and the oppositely directed parallel portions 15 and 16. The extremity 15 of the hanger underlies the adjacent end of each cross member 5 and is held

in position thereon by a single U-shaped
55 clip 17 riveted or otherwise fastened as indicated at 18 to the cross member.

The hanger is so arranged that the channel portion thereof is presented to the underside of the cross member 5 whereas the
60 underside of the extremity 16 is flat. The side edges of the cross member 5 are grooved as at 19 so as to accommodate the flange 20 defined by the channel in the hanger and said flanges in coacting with the grooves in
65 the cross member act to prevent lateral displacement of the hanger with respect to said member in a horizontal plane, the clip 17 acting to prevent displacement in a vertical
70 plane.

The angular extremity 16 is of such length as to engage and firmly seat upon the sill
30 of the window 21 of a motor vehicle as suggested in Figs. 1 and 2 and as above stated, the flat underside of the hanger is
75 presented to said sill. In order to prevent marring or injury to the finish of the sill a strip of fabric 22 or the like is passed over the end of the hanger and the ends thereof are clamped in place by a rivet 23 passing
80 through the medial or web portion of the hanger.

The cross members 5 and side rails 9 of the bed having been extended to operative position as shown in Figs. 1 and 2 as to tension the bed bottom 10, the hangers are slid
85 outwardly on the cross members 5 until the extremities 16 thereof are seated and supported upon the sills 30 of the windows 21 in which position the bed is firmly supported
90 in an elevated position.

Due to the engagement of the flanges 20 in the grooves 19 lateral displacement of the hangers relative to the cross members is prevented whereas vertical displacement of the
95 hangers relative to the cross members is prevented by the clips 17.

The modified form of hanger as illustrated in Figure 4, instead of being formed of a single piece of material, is made in two
100 sections designated by reference characters 15^a and 16^a, the former also being preferably of channel iron with a vertical portion 14^a, and subserving the same function as portions 15 and 14 of the preferred form shown
105 in Figure 3. The section 16^a is detachably secured to the vertical portion 14^a of section 15^a and extends above and outwardly there-

from with a downwardly turned flange 23^a; the lower portion of section 16^a and the vertical portion 14^a of section 15^a being provided with apertures to receive bolts for adjusting the hanger to seat of varying heights. A strip of fabric 22^a surrounds the horizontal portion of the upper portion of section 16^a in order to protect the sill from injury. It will thus be seen from the modified form of hanger that all danger of slipping off the window sills is eliminated by the gripping action of the upper section 16^a and its downwardly turned flange 23^a relative to the window sill.

What I claim is:—

1. In a bed structure, a bed frame including foldable cross members, sill engaging hangers provided with separable sections, one section being adjustable on the other section, one section being of channel form defining flanges slidably embracing and guided by said cross members at one end,

and clips carried by the cross members confining the hangers in position thereon.

2. In a bed structure, a bed frame including foldable cross members, and sill engaging hangers of channel form defining flanges slidably embracing and guided by said cross member at one end, and clips carried by the cross members confining the hangers in position thereon.

3. In a bed structure, a bed frame including foldable cross members, sill supported hangers made of channel form defining flanges slidably embracing and guided by said cross members at one end, and clips carried by the cross members confining the hangers in position thereon, a sill engaging covering applied to the opposite end of each hanger and partially received in the channel thereof to prevent its displacement.

In testimony whereof I affix my signature.

JOHN M. LINE.