June 7, 1932. O. H. PECK 1,861,548

TOURIST HOUSE

Filed Nov 11, 1930 6 Sheets-Sheet 1

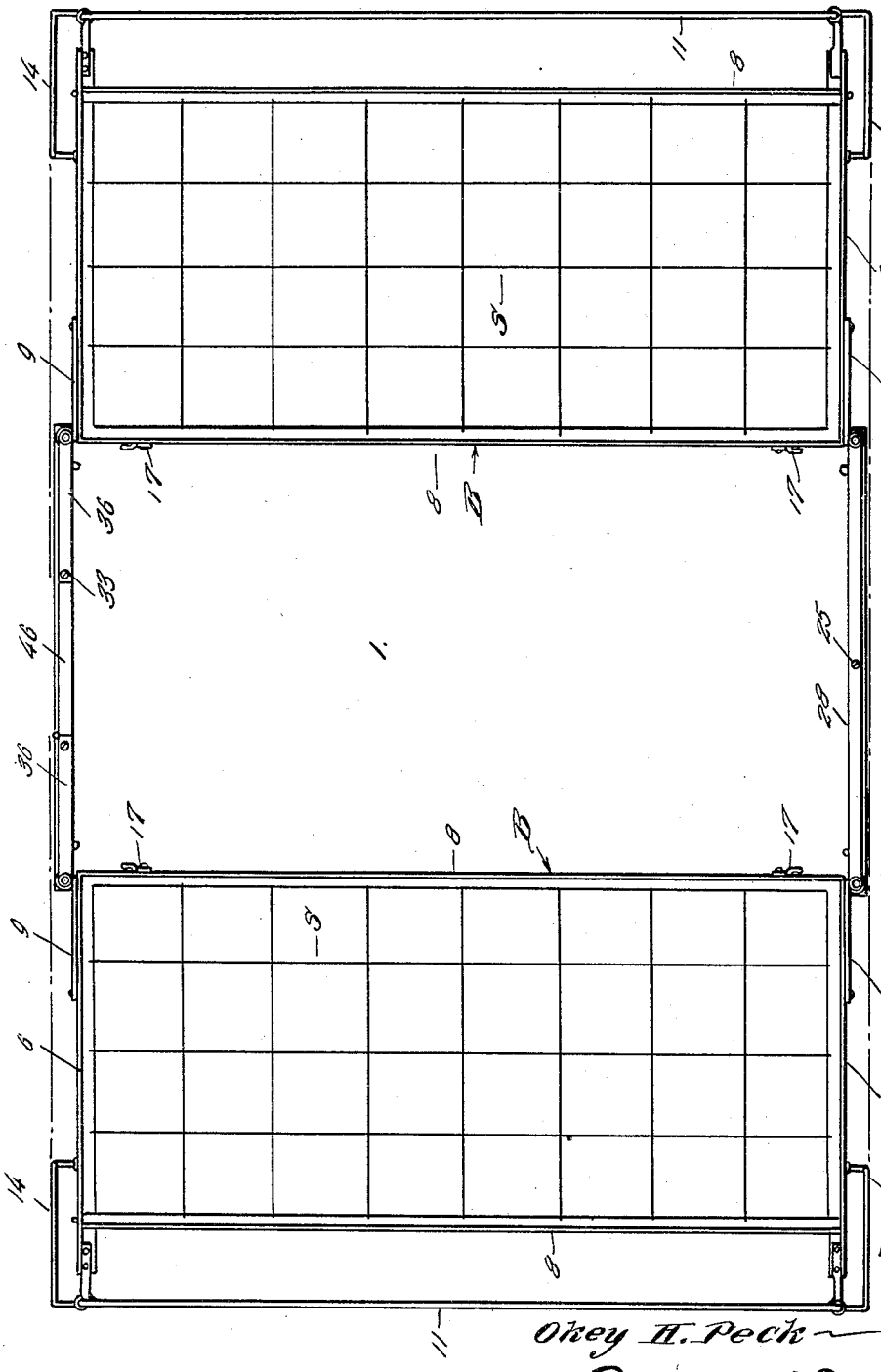


Fig. 1.

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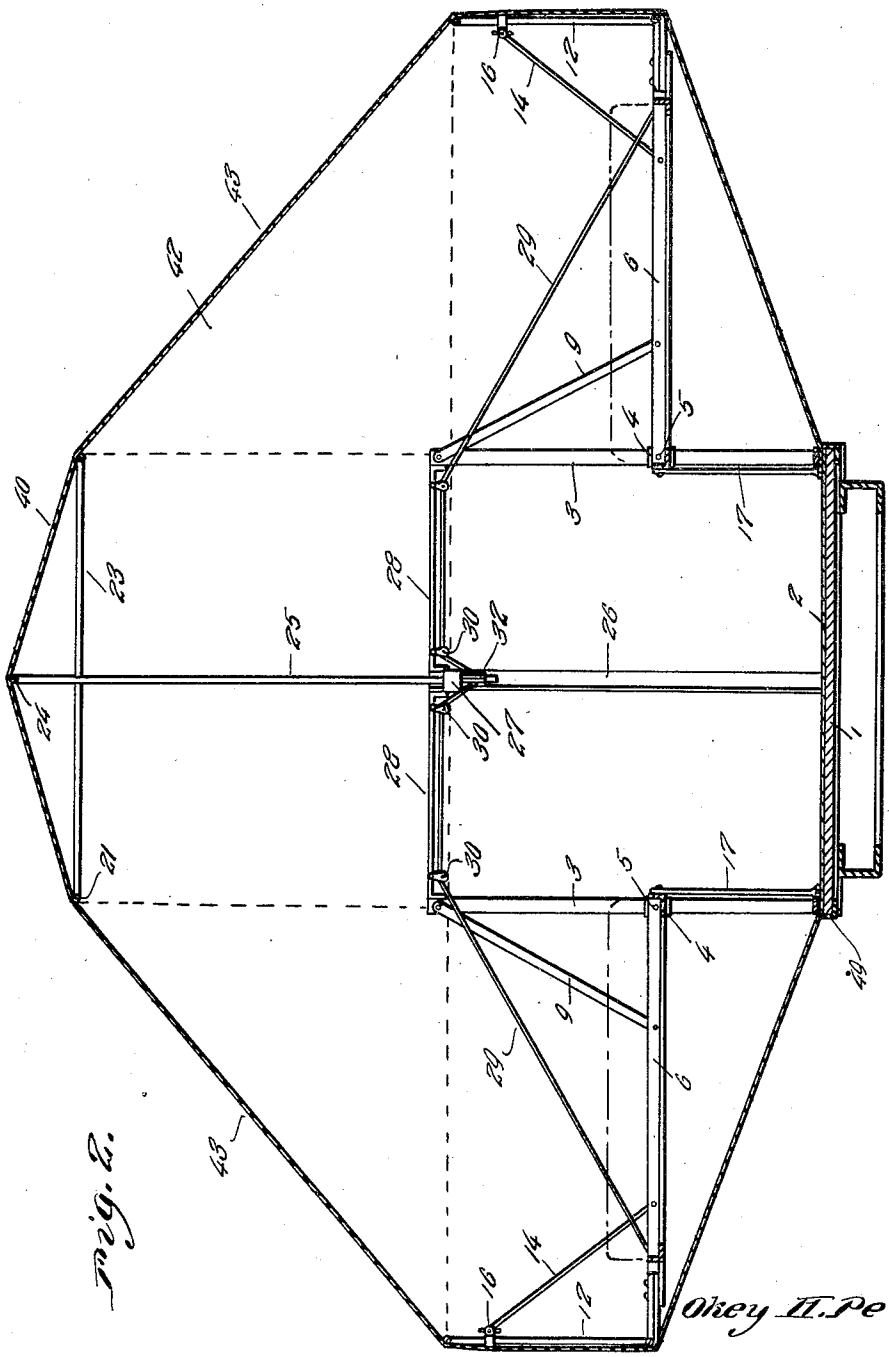


Fig. 2.

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TOURIST HOUSE

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Fig. 4.

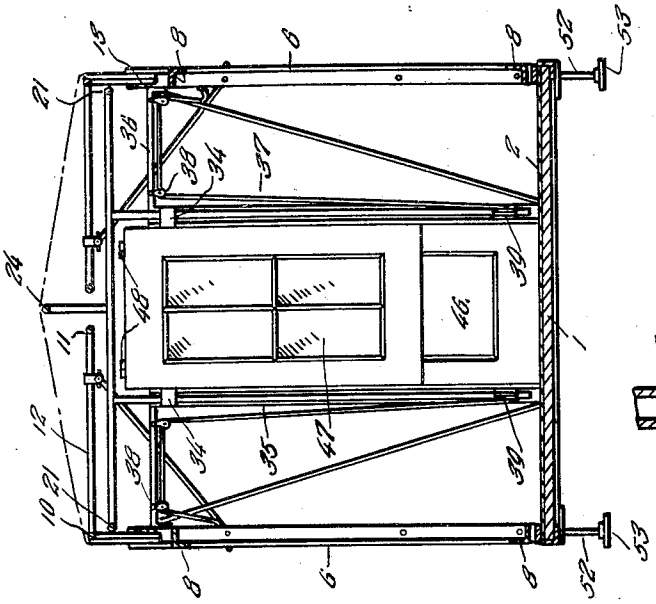


Fig. 15.

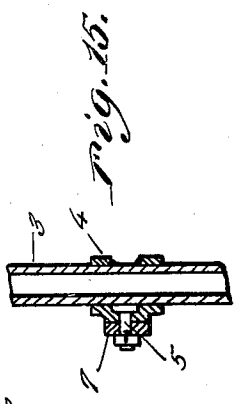


Fig. 3.

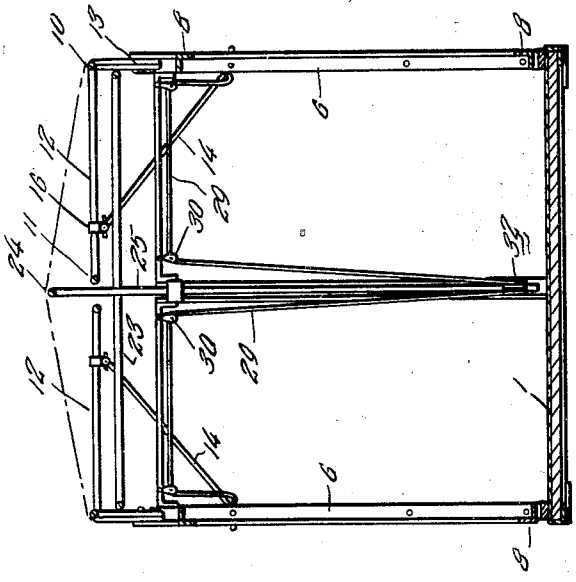
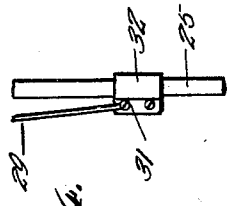


Fig. 14.



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TOURIST HOUSE

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Fig. 9.

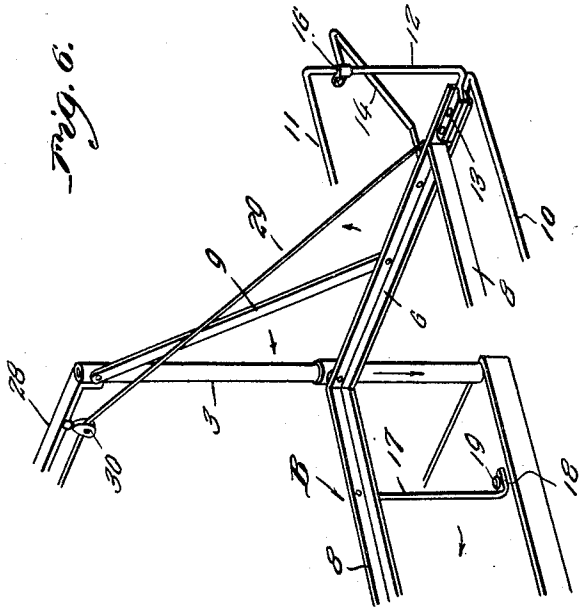


Fig. 13.

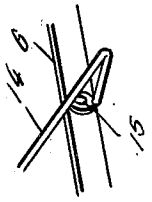


Fig. 8.

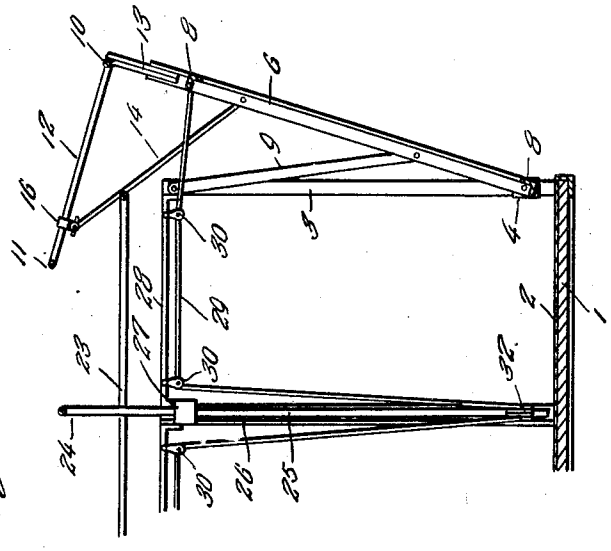
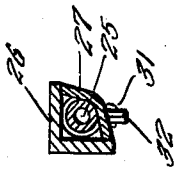


Fig. 12.



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TOURIST HOUSE

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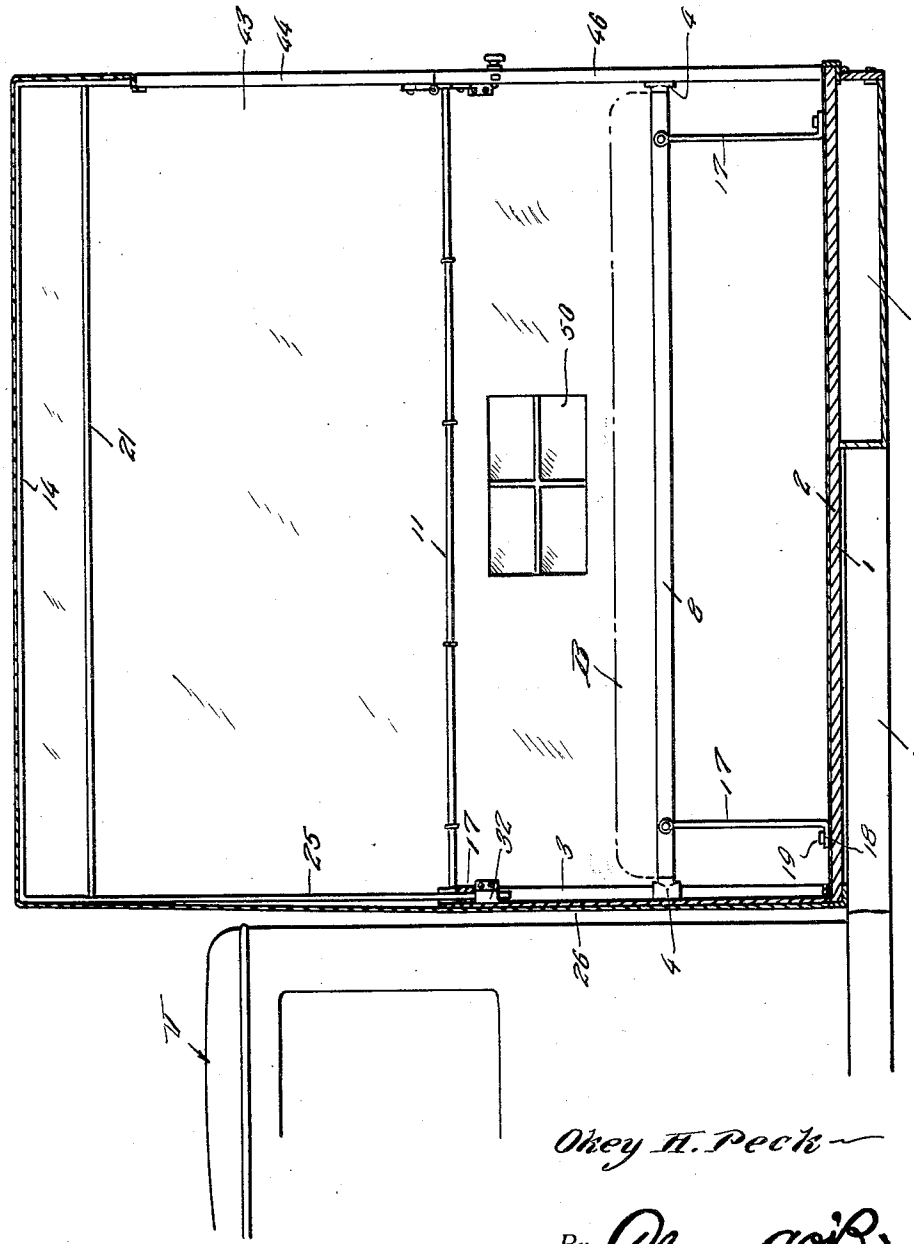


Fig. 5.

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TOURIST HOUSE

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Fig. 11.



Fig. 10.

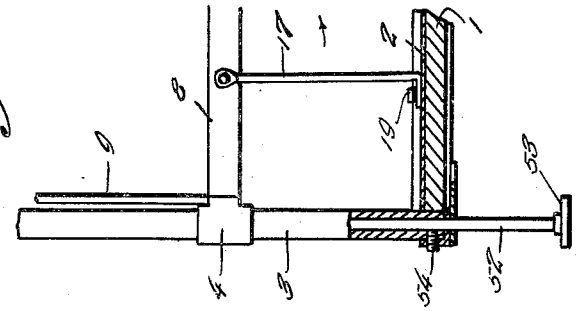


Fig. 8.

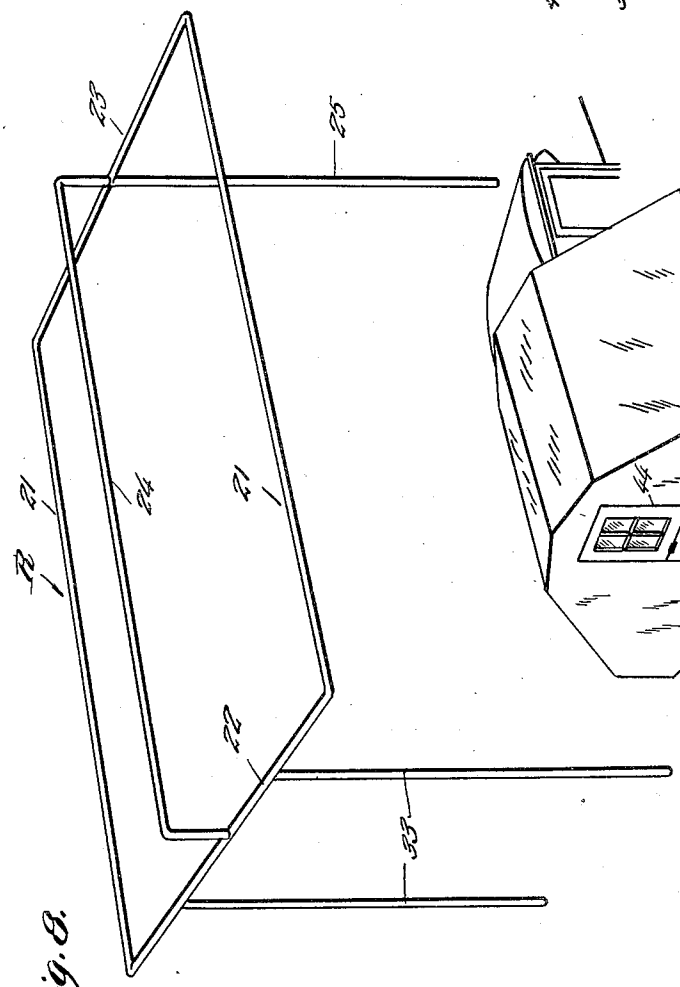
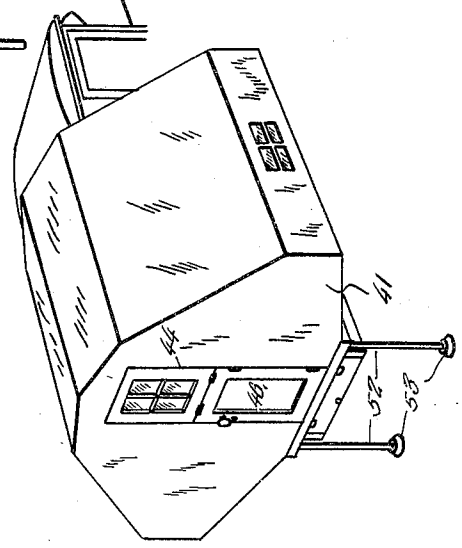


Fig. 9.



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1,861,548

UNITED STATES PATENT OFFICE

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TOURIST HOUSE

Application filed November 11, 1930. Serial No. 494,949.

This invention relates to portable houses, and has more particular reference to that type of portable house especially adapted for use by tourists or others "camping" out of doors.

A primary object of this invention is to provide a "knock down" house adapted to be transported from place to place, on a trailer, or which can be mounted on the chassis of an automobile, truck or like vehicle, and which when so mounted, may be reduced to a size during actual travel, sufficient to accommodate the needs of a tourist or tourists, and which at night, or at any other time at the selected camp, may be readily and conveniently increased in size whereby to accommodate several occupants for sleeping and housing purposes.

A still further object of the invention is to provide a house of the above mentioned character, which will be comparatively simple in construction, economical, inexpensive, and otherwise well adapted for the purpose described.

Other objects and advantages of the invention will become apparent during a study of the following description, taken in connection with the accompanying drawings wherein:

Figure 1 is a top plan view of the house, the same being shown with the canvas wall structure removed, and the beds in a position to be occupied.

Figure 2 is a vertical transverse sectional view taken through the house, the same being shown extended with the bed in a horizontal position, and the canvas wall structure in position,

Figure 3 is a sectional view taken through the house, the same being shown in a folded or collapsed or reduced position and looking from the rear to the front of the house,

Figure 4 is a view similar to Figure 3 and looking from the front to the rear of the house,

Figure 5 is a fragmentary detail view partly in section and partly in elevation of one corner of the housing for clearly illustrating the manner of folding or reducing the size of the house.

Figure 6 is a fragmentary detail perspective of one corner showing the bed supporting frame in an extended or horizontal position,

Figure 7 is a vertical longitudinal sectional view taken through the house, the same being shown in an extended condition and mounted on the chassis frame of a vehicle.

Figure 8 is a perspective view of the roof frame and associated parts,

Figure 9 is a perspective view of the complete house, showing the same in an unfolded or extended position and mounted on the chassis frame of a vehicle.

Figure 10 is a fragmentary detail view partly in section and partly in elevation of one forward corner of the structure for clearly illustrating certain details of construction to be hereinafter more fully referred to,

Figure 11 is a perspective view of the lower portion of a brace foot forming part of the invention.

Figure 12 is a horizontal transverse sectional view for more clearly illustrating the guide means for the rear guide rod of the roof frame.

Figure 13 is a fragmentary detail elevational view illustrating certain details of construction to be hereinafter more fully referred to.

Figure 14 is a fragmentary detail elevational view for clearly disclosing the manner of securing one end of a cable to a sleeve mounted on the forward guide rod of the roof frame.

Figure 15 is a fragmentary vertical sectional view taken through one corner post for clearly showing the manner of operatively connecting a bed frame with the corner post.

With reference more in detail to the drawings, it will be seen that 1 designates a flooring or base having a suitable surface cover-

ing 2 of linoleum or other suitable material.

Rising from each corner of the flooring 1 is a hollow vertical post 3. Slidable on each corner post or upright 3 is a sleeve 4 that has a pivot bolt 5 extending laterally therefrom and passing through one end member 6 of a bed supporting frame designated generally by the reference character B. A nut 7 is threadedly engaged with the free end of the bolt for retaining the end 6 of the frame 8 in pivotal engagement with the bolt.

Each frame B is supported on one side of the floor 1 between a front and rear corner post or upright 3 as suggested in Figure 1.

Each bed frame B is formed of angle iron and is of elongated rectangular configuration being of a suitable length and width for supporting therein a suitable bed spring designated generally by the reference character S. The bed spring S is supported on the horizontal flanges of the end members 6 of the frame and longitudinal side members 8 of the frame.

The frame B at each end thereof is suitably braced with respect to a corner post 3 through the medium of a brace rod 9 pivoted at one end to the upper end of the post or upright 3 and at its lower end pivoted to an adjacent end member 6 of the frame intermediate the sides of the frame.

Completing the bed frame structure, there is provided a longitudinally extending rod 10 that at its ends is suitably bolted to the end members 6 of the frame laterally of the frame B. A second rod 11 extends above and parallel to the rod 10, and this rod 11 at each end thereof terminates in a vertical or right angularly disposed extension 12 which extension 12 at its free end, is secured to an adjacent end frame member 6.

The free end of the extension 12, and the adjacent end of the rod 10 are so secured to the end frame member 6 as suggested in Figure 6 as at 13.

The rod 11 is braced with respect to the bed frame B through the medium of substantially U-shaped brace rods 14 respectively pivoted at one end as at 15 to an end member 6 of the frame, and at its opposite end provided with a suitable clamp structure 16 for adjustable engagement with an adjacent extension 12 of the rod 11 (see Figures 6 and 13).

The inner side frame member 8 of each bed frame B, adjacent each end thereof is provided with a foot or support 17 that at its upper end is suitably and pivotally connected to the said side member 8, while at its lower end the foot is provided with a lateral projection 18 adapted to engage with a headed retaining stud 19 provided therefor and rising from the floor 1.

When the bed frame B is swung to the position suggested in Figure 6, that is to a horizontal position, the bifurcated extension 18 of the foot engages with the headed stud 19 for securely retaining the bed frame in this position. When the frame is to be swung about the pivot bolts 5, it will be noted as suggested in Figure 5, that the sleeves 4 move downwardly on the post or uprights 3, or in the direction indicated by the arrow in Figure 6 while the supports 17 are swung toward the frame member 8 in the direction of the arrow in Figure 6.

The bed frames B are simultaneously swung about their pivots 5 during the raising and lowering of a roof frame designated generally by the reference character R. The roof frame R is substantially rectangular and includes side rods 21 and end rods 22 and 23 respectively. The end rods 22, 23 are further connected together through the medium of an inverted U-shaped connector bar 24 that rises above the plane of the frame 21.

The rear guide rod 25 that extends downwardly from the rear end member 23 of the roof frame R, is maintained in slidable engagement with an angle iron upright 26 through the medium of a guide strap 27 that bridges the space between the flanges of the angle iron uprights 26.

The upright 26 is braced at its upper end with respect to the corner post 3 at the rear end of the housing through the medium of horizontally disposed brace rods 28.

A cable 29 is suitably secured at one end to the end member 6 of the bed frame B at the rear end of the housing, and the cable is trained over a pair of pulleys 30 mounted on brace bar 28.

Each of the cables 29 at its free end is suitably secured as at 31 to a sleeve 32 arranged on the lower end of the roof frame guide member 25.

Depending from the forward end member 22 of the roof frame R is a pair of spaced parallel guide rods 33—33. The guide rods 33 are vertically slidable through sleeve guides 34 provided adjacent the upper ends of a pair of spaced parallel standards or uprights 35 rising from the floor 1 at the forward end of the house and respectively braced with respect to an adjacent forward corner post 3 through the medium of horizontally disposed brace rods 36 that connect the upper ends of the standards or uprights 35 with the upper ends of the forward or front corner post 3. (See Figure 4).

The forward end member 6 of each of the bed frames B has secured thereto one end of a cable 37 adjacent the outermost end of said frame member 6, and each of said cables 37 is trained over a pair of guide pulleys 38 carried by a brace member 36, and the free end of the cable is suitably secured as at 39 to the lower end of one of the roof guide rods 33 as is shown in Figure 4. The means for securing the end of the cable 37 to the lower end of a guide rod 33 is substantially the

same as that described in detail with respect to the means for securing the end of cable 29 to the roof guide rod 25. It will be noted, upon a study of Figures 3 and 4 that the cables 37 and 29 are somewhat loose when the bed frames B are in a folded position, that is, in a substantially vertical position at right angles to the floor 1 as shown in said Figures 3 and 4.

From the foregoing then it will be seen that the roof frame R may be moved vertically to a raised or lowered position relative to the floor 1, and that upon raising of the frame, the same being accomplished by pulling outwardly on the bed frames B, that the roof and side walls are raised and extended outwardly respectively for increasing the size of the housing and for accommodating the bed supporting frames in horizontal position.

The roof and wall structure just referred to, is formed from canvas suitably draped over the roof frame R, and providing the roof 40 front and rear walls 41 and 42 respectively and side walls 43. The front wall 41 is provided with an entrance and exit opening 44 and the opening 44 is closed through the medium of a foldable door which includes a lower section 46 and an upper section provided with transparent panels, the upper section being denoted by the reference character 47 and being hinged at its lower edge to the upper edge of the door section 46 as at 48. As shown in Figure 4, the door section 46 is hingedly supported from one of the uprights 35. When the housing is in folded or collapsed condition, it will be seen that the door section 47 is folded over the door section 46 thus permitting lowering of the roof frame without interference from the door.

As shown in Figure 2, the lower edges of the canvas wall structure are suitably secured to the edges of the floor 1 as at 49, and as suggested in Figure 5, when the roof frame is moved downwardly, and the bed supporting frames are swung from a horizontal to a vertical position, for reducing the size of the housing, suitable clearance is provided between the movable parts to permit the necessary folding of the canvas wall structure.

During actual travel, when the housing is in a completely folded condition, any suitable canvas or waterproof covering may be disposed over the entire structure for protecting the wall structure of the housing. It will be also noted from a study of Figure 2 that the rods 10 and 11 aid in the spreading of the side walls 43 of the canvas structure so as to maintain the inclined portions of the walls properly spaced above the bed frames, and the vertical portions of the side walls 43 properly spaced from the bed springs so as to insure comfort and to further permit one to sit upright on a bed.

As suggested in Figure 7, the vertical portions of the walls 43 may be provided with suitable windows 50. As before intimated, the portable house may be suitably supported on the chassis frame C of a motor truck or vehicle V. Between the members of the chassis frame C, and beneath the flooring 1, is provided a suitable storage chamber 51 for storing such articles as chairs, portable steps for facilitating the entrance and exit of one relative to the housing, and for other such articles or accessories.

When the housing is so positioned on the vehicle, it will be apparent that the forward end of the housing will be at the rear end of the vehicle, and each of the forward or front corner posts 3 has slidable therein a rod 52 provided with a ground engaging foot 53 which rod 52 may be lowered into engagement with the ground for bracing the forward end of the portable house if so desired. The rods may be retained in fixed position relative to the corner posts 3 through the medium of suitable set screws 54.

From the foregoing then it will be seen that I have devised a thoroughly practical and efficient, and economical knock down house or dwelling structure which can be readily mounted on the chassis frame of a truck, trailer, or which can be readily set upon the ground, and which will afford sufficient housing facilities for tourists and other devotees of the out of doors.

It is thought that from the foregoing description, taken in connection with the accompanying drawings, a thorough understanding of the construction, utility and advantages of an invention of this character will be had, and it is to be further understood that the invention is susceptible of such variations, modifications and improvements as fall within the scope of the appended claims.

Having thus described my invention, what I claim as new is:

1. A portable house for the purpose specified comprising in combination four corner posts arranged in rectangular formation, a bed frame rotatably supported between a pair of said corner posts, there being two of such bed frames, a sleeve slidable on each of said corner posts, means for pivotally connecting one end of the bed frames with a sleeve on an adjacent corner post, a roof frame, means for slidably mounting said roof frame for movement vertically relative to said corner posts, and flexible means operatively connecting said bed frame with said roof frames for effecting a raising and lowering of said roof frame upon swinging movement of said bed frames about their pivots, and a flexible roofing and wall structure draped over said roof frame.

2. A portable house, comprising in combination a flooring, a roof frame movable ver-

tically relative to the flooring, guide means for slidably supporting said roof frame, a pair of oppositely disposed bed supporting frames, means for pivotally supporting said bed supporting frames on opposite sides of the house, a canvas wall structure draped over said roof frame, and secured at its lower edges to said floor, and means operatively connecting said bed supporting frames with said roofing frame for effecting a raising of said roof frame when said bed frames are swung in a direction opposite to one another from a vertical to a horizontal position, and for effecting a lowering of said roof frame when said bed frames are swung from a horizontal to a vertical position.

3. A portable house, comprising in combination a flooring, a roof frame movable vertically relative to the flooring, guide means for slidably supporting said roof frame, a pair of oppositely disposed bed supporting frames, means for pivotally supporting said bed supporting frames on opposite sides of the house, a canvas wall structure draped over said roof frame, and secured at its lower edges to said floor, and means operatively connecting said bed supporting frames with said roofing frame for effecting a raising of said roof frame when said bed frames are swung in one direction, and for effecting a lowering of said roof frame when said bed frames are swung in a relatively opposite direction, and means carried by said bed supporting frame engageable with opposite portions of said canvas wall structure for expanding said wall structure during the raising of said roof frame.

In testimony whereof I affix my signature.

OKEY H. PECK.