

E. H. HABIG.
 TRAILER CAMP.
 APPLICATION FILED JUNE 15, 1916.

1,216,986.

Patented Feb. 20, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

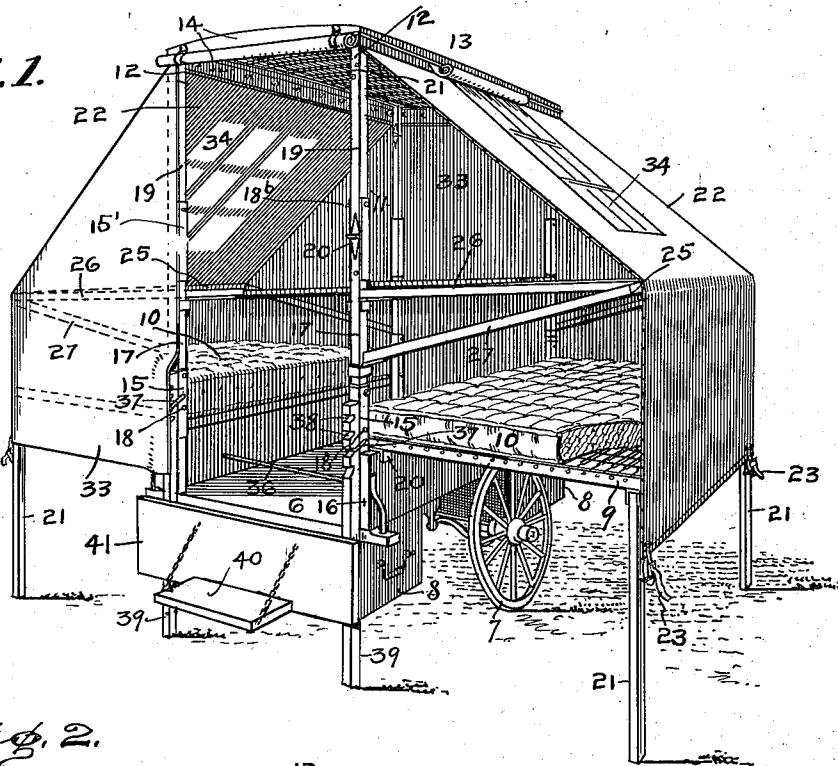
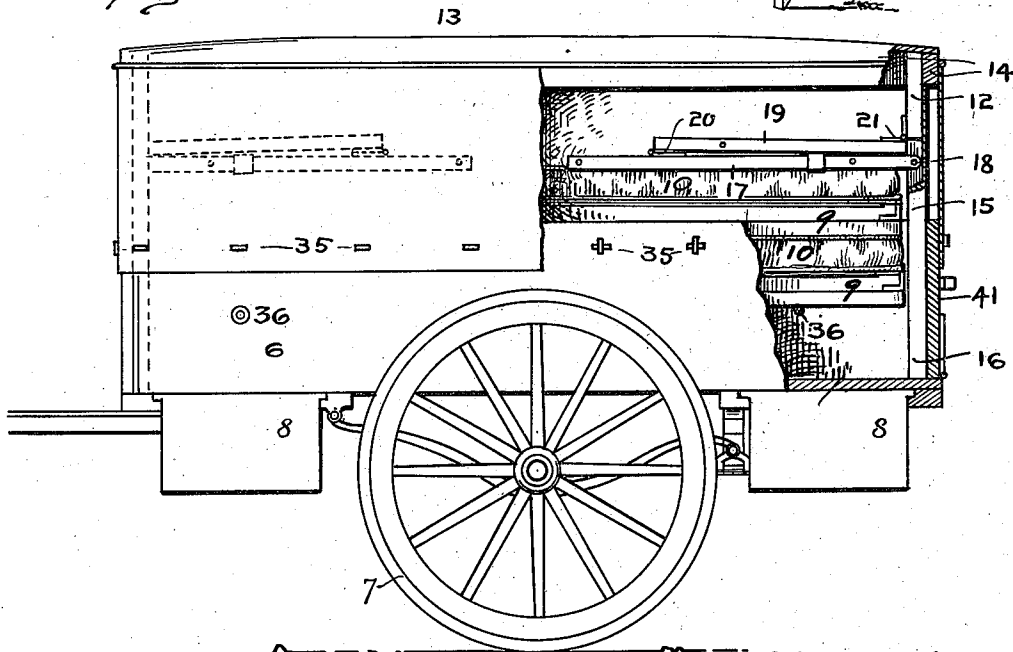


Fig. 2.

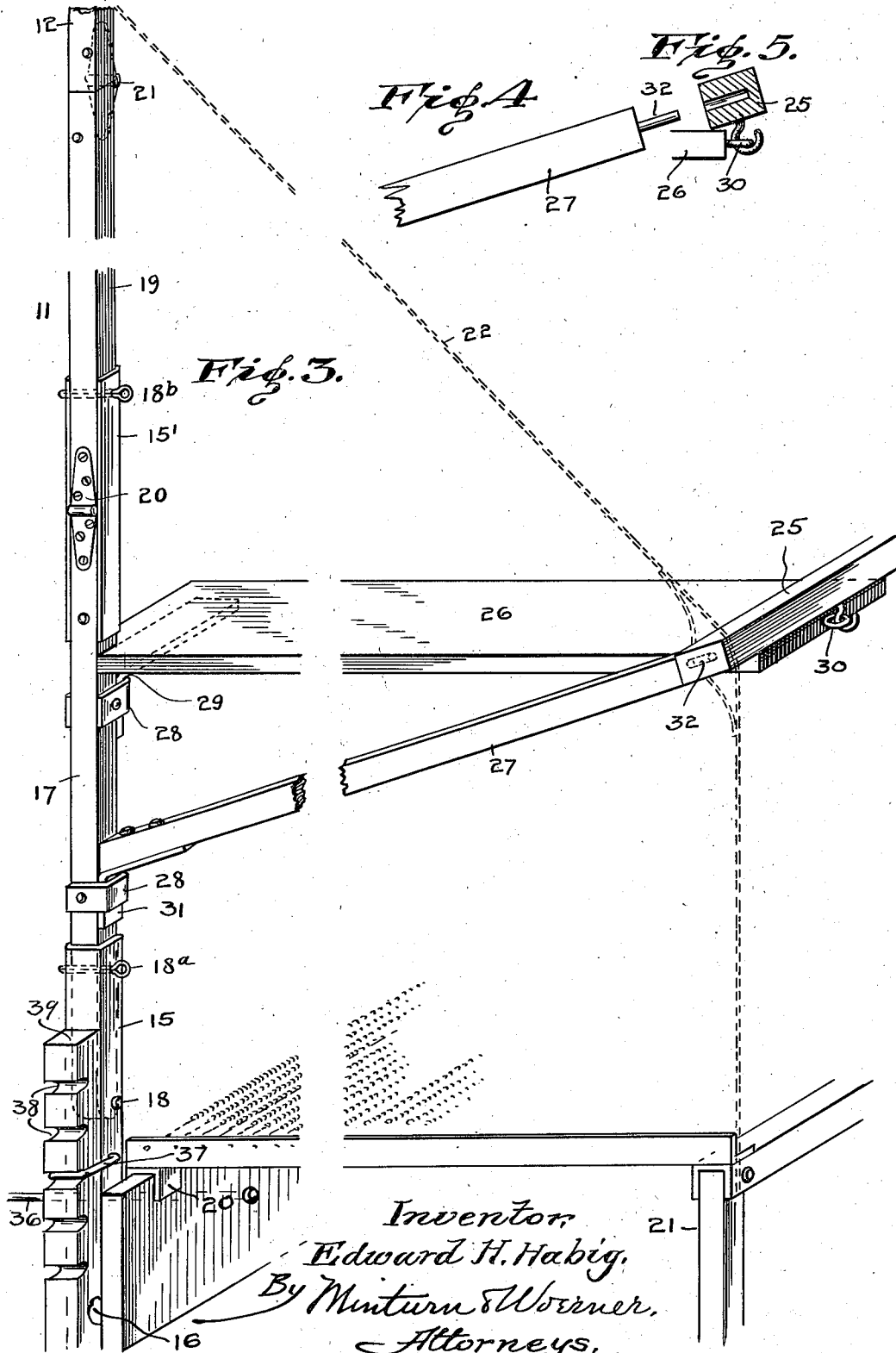


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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

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TRAILER-CAMP.

1,216,986.

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To all whom it may concern:

Be it known that I, EDWARD H. HABIG, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Trailer-Camps, of which the following is a specification.

The object of this invention is to provide an outing tent equipment for automobile trailers which will include a rigid canopy-top always solidly supported but adapted easily and accurately to be raised and lowered at will.

The object also is to provide sleeping-room extensions which will be so securely anchored by connection with the canopy-top that no stakes, ropes or outside accessories for anchorage are required, and in which the weight of the occupants of the beds in said sleeping-room extensions will assist in resisting wind-disturbances.

Another object is so to simplify the construction and arrangement that one person can raise the tent or lower and store it in a few minutes' time.

I accomplish the above, and other objects which will hereinafter appear, by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved tent in its raised position, some of the parts being in section. Fig. 2 is a view in side elevation of same on a larger scale, packed in a trailer, parts being broken away to show the inner construction. Fig. 3 is a perspective view of one of the jointed standards which are hinged at the joints, but here shown locked in rigid operative position, with lateral shelf and diagonal brace also in place, and Figs. 4 and 5 show the manner of attachment of the shelf and brace to the purlin or side-bar.

Like characters of reference indicate like parts throughout the several views of the drawings.

Referring to the drawings, the bed 6 of the trailer is supported on springs by an axle mounted on two wheels 7, in the usual way, and the trailer is adapted to be attached by a suitable coupling (not shown) to the reach or axle of an automobile. Slid-ingly secured to and under the bottom of the bed are drawers 8, on each side of the axle, to be finished as ice chest and other carrying receptacles. The dimensions of the

bed 6 are ample to receive two double spring beds 9 and mattresses 10 when packed for transportation, as shown in Fig. 2. At each of the four corners of the bed, resting upon the floor and bolted securely to the sides, are the standards 11, all of like construction which will make a description of one suffice for all. Each standard is in four sections hinged together at the joints. The top section 12 is rigidly bolted to a corner of a rigid canopy-top or deck 13, comprising a wooden frame 14 at sides and ends, with a slatted top covered with heavy rubber-coated cloth to make it absolutely water and weather-proof, instead of relying upon the cloth of a tent for this middle part which is in use all of the time as a roof-cover,—that is, whether the invention is open or folded.

A channel-bar 15 is fastened rigidly to the upper portion of the lower section 16 of the standard 11, and the lower end of the next higher section 17, is hinged in it by a cross-bolt 18. The joint is made rigid by a removable pin 18^a which passes through the channel bar and the section, as shown in Fig. 3. The section 19, between 17 and 12, is secured to each of the latter by the respective strap-hinges 20 and 21; the first on the outer side and the last on the inner side of the standard so the two middle sections 17 and 19 will fold inwardly or in the direction shown in Fig. 2 when the job is folded. A channel-bar 15' is attached rigidly to the section 17 and receives the member 19 which is locked therein by a pin 18^b to make the joint rigid. When folded, the sections 17 and 19 lie above the sides of the bed, where they are not only out of the way, but where they aid very materially in preventing other articles which may be carried loosely in the trailer, between the mattresses and lowered canopy, from falling out in transit.

In use, the beds and mattresses 9, 10, are placed outside of and alongside the trailer body 6, as shown, with one long dimension of each bed-frame resting on the side of the bed 6, where it is retained by lugs 20. Legs 21, hinged to the outer rails of the bed-frame support the beds in horizontal position for use.

Tent-curtains 22 form roof extensions over the beds. They have gromets along their upper edges to receive hooks in the frame 14, of the canopy-deck to which they are thereby attached. The curtains have

straps 23 at their opposite, lower edges for attachment to screw-eyes in the legs 21. This lower edge will preferably be reinforced by being bound around a rod or bar of iron or wood. This will stiffen the edge and also spread the legs 21 and keep them from folding by accident. By reason of the tent-curtain being strapped to the legs of the bed, the weight of the occupants of the bed will assist in resisting wind pressure which might blow the tent down.

To provide more room particularly above the rear portions of the bed, I support the canvas on a purlin or side-bar 25, which is supported at the desired height above the outer bed-rail by shelves 26 and diagonal braces 27. A loop 28 riveted to the standard, supports a removable bracket 29, on which the inner end of shelf 26 rests. A screw-eye 30 in the end of the shelf 26 removably engages a hook depending from the side-bar or purlin 25, and the outer edge of the shelf contacts the brace 27. The inner end of the latter terminates with a hooked bar 31, which slips into a loop 28, similar to the one for the shelf. The outer end of the brace has a dowel pin 32, which enters a suitable hole in the side-bar 25. The shelves are notched to receive the standards at the corners of the shelves.

The curtains 22 have integral end-flaps 33 to close the ends of the tent. Windows 34 may be built in the tent-cover at any suitable location, for ventilation and light, if desired.

The tail-board 41, of the trailer, is hinged in the usual manner to the end of the body, and has a step-board 40 hinged to it and supported by chains when down in position for use. Legs 39 are placed between the tail-board and standards 11. They rest upon the ground and have a series of notches 38 near their upper ends to receive bails 37, hinged to the adjacent standards, and caught into the appropriate one of said notches as the varying level of the ground may require. These legs act as stops to keep the tail-board in its lowered position from swinging under the trailer by the application of weight on the step 40.

When the device is folded, as shown in Fig. 2, the top sections 12 of the standards enter the channel-bars 15, thereby rigidly holding the canopy-deck in its lowered position. It will also be noted that the beds and mattresses are placed on rods 36 which are supported by the sides of the trailer-bed at a considerable distance above the floor. This leaves a space below for suit cases and camp accessories. The top mattress is retained against lateral displacement by the folded sections 17 and 19 of the standards.

Secured to the deck are side curtains

which fasten to the body 6, by buttons 35, when the outfit is packed for travel.

While I have described my invention with more or less minuteness as regards details of construction and arrangement and as being embodied in certain precise forms, I do not desire to be limited thereto unduly or any more than is pointed out in the claims. On the contrary, I contemplate all proper changes in form, construction, and arrangement, the omission of immaterial elements, and the substitution of equivalents as circumstances may suggest or necessity render expedient.

I claim—

1. The combination, with a trailer having a bed, of a rigid canopy-deck covering the bed, standards securing the deck to the bed, said standards being transversely divided hinged sections adjustable in length to raise and lower the deck, spring sleeping beds one side of each of which is supported by the trailer-bed, legs supporting the other sides, and tent curtains secured to the deck and extending over the sleeping beds and secured to the legs below the bed.

2. The combination, with a trailer having a bed, of a rigid canopy-deck covering the bed, standards securing the deck to the bed, said standards being in adjustable jointed members to vary the lengths of the standards and raise and lower the deck, spring sleeping beds one side of each of which is supported by the trailer-bed, legs supporting the other sides, tent curtains secured to the deck and extending over the sleeping beds and secured to the legs of the bed and purlins supported from the standards, over which said tent curtains are stretched.

3. The combination, with a trailer having a bed, of a rigid canopy-deck covering the bed, standards in a plurality of transversely divided members hinged together at their joints and securing the deck to the bed, sleeping beds outside of the trailer-bed, legs partly supporting the sleeping beds, and tent curtains secured to the deck and extending over the sleeping beds and secured to the legs of the latter.

4. The combination, with a trailer having a bed, of a canopy-deck covering the bed, standards connecting the bed with the deck said standards being in sections hinged together for folding to vary the height of the deck, means to make the joints rigid, sleeping beds supported laterally outside of and in part by the trailer bed, legs also supporting the sleeping beds, and tent curtains secured to the deck and extending over the sleeping beds and secured to the legs of the latter.

5. The combination, with a trailer bed, of a canopy covering the bed, and standards connecting the bed with the canopy, said standards being in four transversely divided

sections each, so hinged together at the joints that the two middle sections will fold together to shorten the standards and lower the canopy, and means to make the joints rigid when not broken.

5 6. The combination, with a trailer bed, of a canopy covering the bed, standards in a plurality of transversely divided sections hinged together at the joints the lower section being rigidly attached to the trailer bed and the upper section being rigidly attached to the canopy and the middle sections coming together longitudinally when folded to shorten the standards and lower the canopy, and means to make the joints rigid when not broken, one of said means being secured to the lowest section and receiving the end of the highest section when the canopy is in its lowest position.

20 7. The combination, with a trailer bed, of a canopy covering the bed, standards in a plurality of transversely divided sections hinged together at the joints, the lower sections being rigidly fastened to the trailer bed and the upper ones to the canopy and the intermediate sections coming together longitudinally when the standards are folded to lower the canopy, and means to make the joints rigid when not broken comprising channel bars rigidly secured to one section and overlapping the other and removable pins through the bar and overlapped member.

35 8. The combination, with a trailer bed, of a rigid canopy covering the bed, standards in folding sections connecting the corners of the trailer bed with the corners of the canopy, sleeping beds supported outside of and laterally of the trailer bed, tent covers fastened to the canopy and roofing the sleeping beds, purlins over the outer edges of the sleeping beds over which the tent covers pass and means to support the purlins from the

standards comprising detachable diagonal braces.

45 9. The combination, with a trailer bed, of a rigid canopy covering the bed, standards connecting the corners of the trailer bed with the corners of the canopy, sleeping beds supported laterally and outside of the trailer bed, tent roof extensions fastened to the canopy, purlins above the outer edges of the sleeping beds over which the tent roof extensions pass and means to support the purlins from the standards comprising detachable horizontal members and lower diagonal braces.

50 10. In a camping outfit, the combination with a trailer-bed and sleeping beds and mattresses, of rods supported above the floor of the trailer-bed by the sides of the latter upon which rods the sleeping beds and mattresses are placed for storage and transportation, and standards at each of the four corners of the trailer-bed in jointed sections some of which when folded extend longitudinally of the trailer-bed above the sides thereof to aid in retaining said sleeping-beds and mattresses.

60 11. The combination with a trailer-bed, 70 bails hinged in the ends of said bed, and a tail-board hinged to the end of the bed, of legs between the tail-board and trailer-bed having notches to receive said bail.

75 12. The combination with a trailer-bed and bails hinged to the ends of the bed, of legs placed in vertical positions against the ends of the bed, said legs having a series of notches in one of which a bail is engaged to support the end of the trailer-bed on said legs.

In witness whereof, I have hereunto set my hand and seal at Indianapolis, Indiana, this 29th day of May, A. D. one thousand nine hundred and sixteen.

EDWARD H. HABIG. [L. s.]