April 20, 1926. 1,581,858

C. E. MUSGRAVE

CAMPING OUTFIT

Filed August 16, 1922 2 Sheets-Sheet 1

Fig. 1.

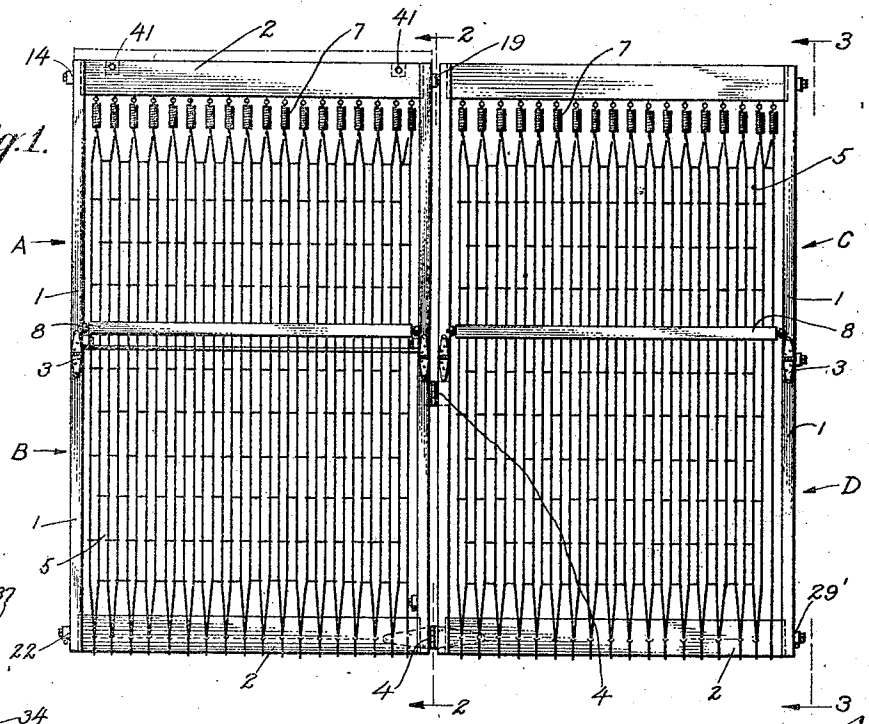


Fig. 2.

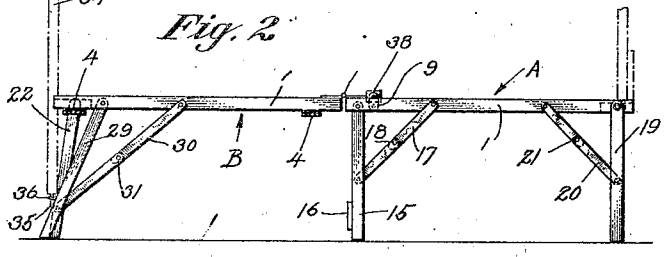


Fig. 4.

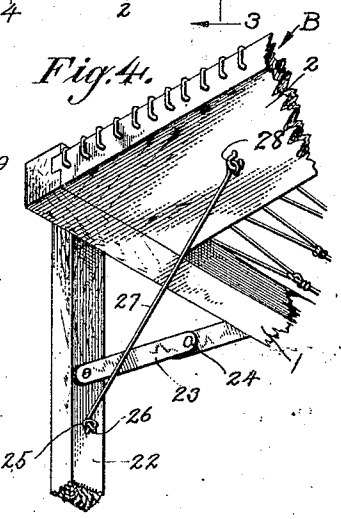


Fig. 3.

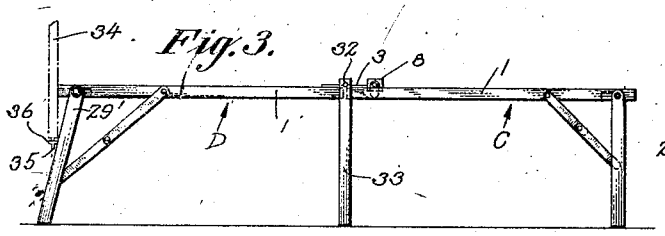
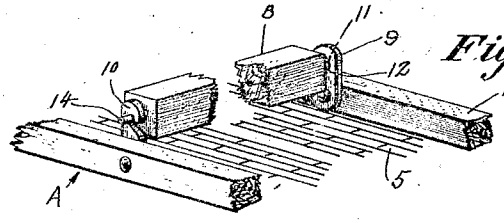


Fig. 5.



Inventor

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Fig. 6.

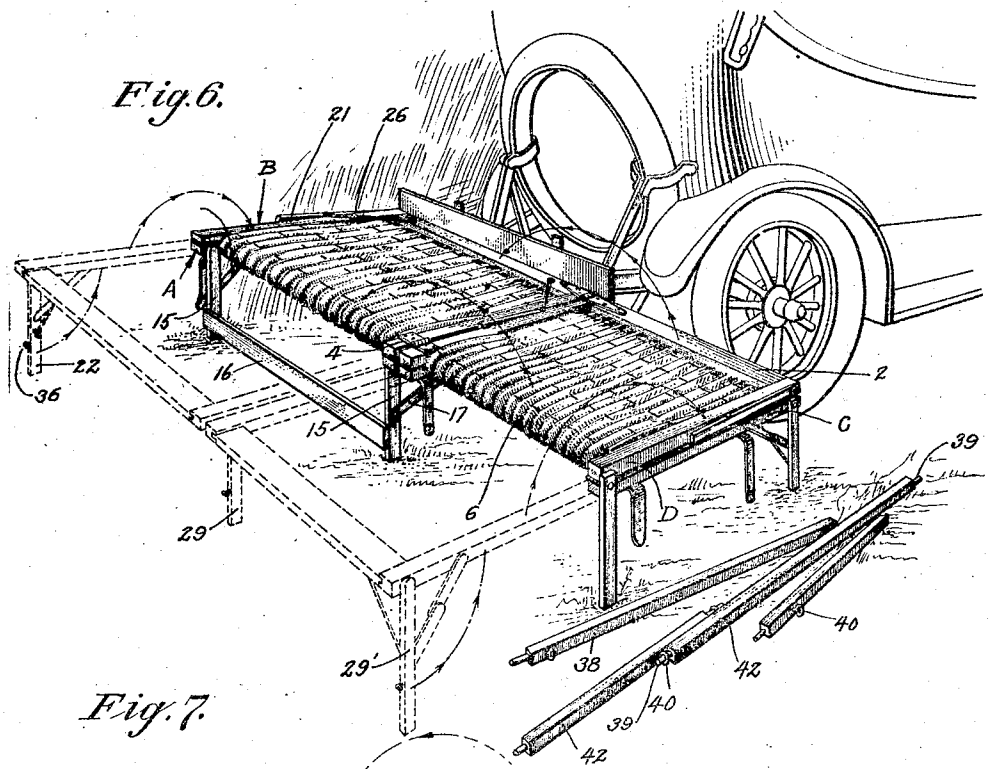


Fig. 7.

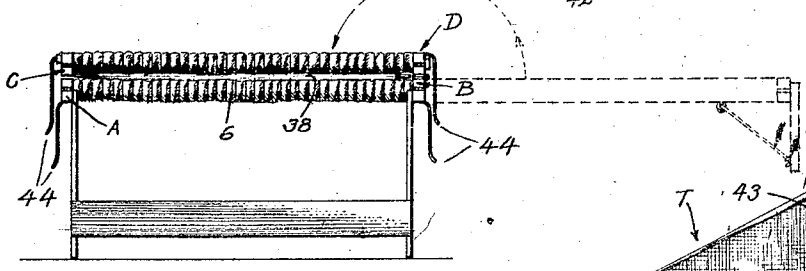


Fig. 8.

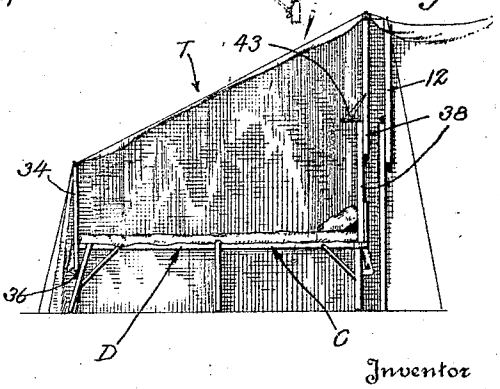
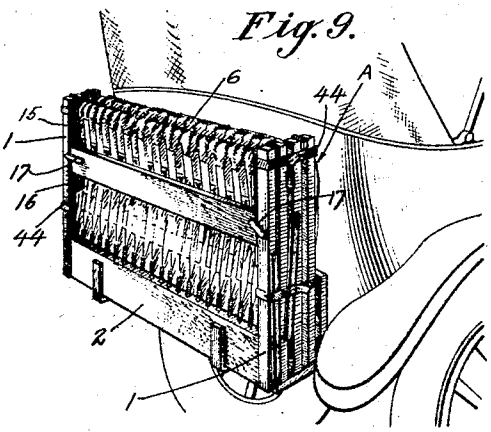


Fig. 9.



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Patented Apr. 20, 1926. 1,581,858

UNITED STATES PATENT OFFICE.

CLAUDE E. MUSGRAVE, OF LEWISTOWN, MONTANA, ASSIGNOR TO W. C. BLACKBURN, OF LEWISTOWN, MONTANA.

CAMPING OUTFIT.

Application filed August 16, 1922. Serial No. 582,234.

To all whom it may concern:

Be it known that CLAUDE E. MUSGRAVE, a citizen of the United States, residing at Lewistown, in the county of Fergus and State of Montana, has invented certain new and useful Improvements in Camping Outfits, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in camping outfits and it is an object of the invention to provide a novel and improved outfit of this general character especially designed and adapted for use in connection with automobiles or other vehicles.

It is also an object of the invention to provide a novel and improved device of this general character embodying a structure, which, when not in use, may be folded or compacted to occupy a minimum of space and in a manner whereby the outfit may be readily attached to an automobile or the like for transportation.

Another object of the invention is to provide a novel and improved outfit of this general character embodying foldable sections together with means associated with certain of the sections to hold a mattress and kindred bed clothing against displacement when the structure is folded.

An additional object of the invention is to provide a novel and improved outfit of this general character having associated therewith a novel and improved means whereby a canopy or tent may be effectively supported in applied position with respect to the structure.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved camping outfit whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein;

Figure 1 is a view in top plan of my improved structure as herein disclosed and unapplied;

Figure 2 is a sectional view taken substantially on the line 2—2 of Figure 1 with certain of the parts associated with the structure indicated by dotted lines;

Figure 3 is an end elevational view looking at the device in the direction of the arrows of the lines 3—3 of Figure 1;

Figure 4 is a fragementary view in perspective illustrating a means for bracing one of the supporting legs for the structure;

Figure 5 is a fragmentary view in perspective illustrating one of the retaining members for the bed clothing and the means for maintaining the same in applied posias herein embodied;

Figure 6 is a view in perspective of an outfit constructed in accordance with an embodiment of my invention and in applied position, certain of the sections being in folded position, the extended positions thereof being indicated by dotted lines, certain of the supporting poles for the tent or canopy being shown unapplied;

Figure 7 is an elevational view showing all of the sections folded in superimposed relation, certain of the sections being indicated by dotted lines;

Figure 8 is a side view of my improved camping outfit with the canopy or tent in applied position; and

Figure 9 is a view in perspective illustrating my improved outfit folded or compacted and applied to the rear of a vehicle for transportation therewith.

As disclosed in the accompanying drawings, my improved outfit comprises a bed structure consisting of four sections A, B, C and D of substantially the same dimensions and each of which sections comprising side members or rails 1 having their outer end portions connected by the relatively broad end members 2.

The sections of the bed structure are arranged in pairs with the sections A and B comprised in one pair and the sections C and D comprised in a second pair. The inner or free end portion of the sections of each pair are hingedly connected as at 3 whereby the sections of each pair may be folded one upon the other. The inner side members of the outer sections of the pairs are hingedly connected as at 4 for swinging movement whereby the folded sections C and D may be swung in superimposed relation with respect to the folded sections A and B as is believed

to be clearly indicated in Figures 6 and 9 of the accompanying drawings.

The sections of each pair have associated therewith and common thereto a bed fabric 5 of any ordinary or preferred construction but which readily flexes when the sections of a pair are folded one upon the other.

The sections when in extended relation are adapted to support thereon bed clothing generally indicated as 6, such clothing including a mattress and suitable coverings and to hold said bed clothing in proper position upon the bed structure when the sections thereof are folded, and also to maintain the springs 7 comprised in the bed fabrics under tension when the sections of the structure are folded, I employ in connection with a section of each pair a cross bar 8 over which a bed bottom 5 and the bed clothing 6 carried thereby fold when the sections of a pair are folded one with respect to the other. As herein disclosed, a section of each of the pairs of sections, such as A and C, adjacent the outer or free extremities of the side members or rails 1 are provided with a substantially alined plate 9 and swinging hook 10. The plate 9 is provided with an opening 11 through which is freely inserted an outstanding trunnion or pin 12 carried by a bar 8 while the opposite end portions of the bar 8 is provided with an outstanding pin or trunnion 14 with which the swinging hook member 10 is engaged. By this means the bar 8 may be readily applied or removed as required and at the same time be maintained in effective engagement with the bed clothing 6 for the purposes hereinbefore set forth.

The outer or free end portions of the side members or rails 1 of the section A have pivotally engaged therewith the supporting legs 15 connected for unitary swinging movement by the cross member or strip 16. The legs 15 and the strip 16, when the bed structure is folded, are swung upwardly to a point close to the section A as is clearly illustrated in Figure 9 and held in such position by the buttons 17 carried by the adjacent side members or rails 1. Associated with the legs 15 and the side member or rail 1 of the section A are the brace members 17, each of which having interposed therein a break joint 18 to facilitate movement of the leg 15 into its folded or compact position.

The inner or rear portions of the members 1 of the section A each have also pivotally engaged therewith a supporting leg 19 which is adapted to be folded inwardly of the section A and associated with said leg 19 and the adjacent side member or rail 1 is a brace member 20 also provided with a break joint 21.

The outer side member 1 of the section B at its adjacent cross member 2 has pivotally engaged therewith a supporting leg 22 adapted to be folded alongside of the adjacent side member or rail 1 and co-acting with said leg 22 and said member or rail 1 is a brace member 23 also provided with a break joint 24. The leg 22 also has an inwardly facing eye member 25 which engages the hook end portion 26 of the rod 27, the opposite end portion of said rod being freely or loosely connected as at 28 with the cross member 2 of the section B. The rod 27 provides additional means for maintaining the leg 22 in extended or working position but yet may be moved or swung into inoperative position.

The end portion of the inner side member or rail 1 of the section B adjacent the cross member or rail 2 thereof has pivotally engaged therewith a supporting leg 29. Co-acting with the leg 29 associated with the side member 1 is a brace member 30 having interposed therein a break joint 31 so that the leg 29 may be readily folded in close relation with respect to the section B. The outer rail or member 1 of the section D is provided with a similar supporting leg 29'.

The pintle 32 comprised in the hinge 3 connecting the outer side member or rail 1 of the sections C and D is extended outwardly and forms a mounting for the supporting leg 33 which is adapted to be swung into close relation with each of the sections C or D as the requirements of practice may prefer when the bed structure is to be folded or compacted.

As is illustrated in Figure 8 a tent or canopy T is adapted to be disposed over the bed structure when positioned for use and the outer or foot end portion of the structure is adapted to have extending upwardly therefrom the supporting props 34 for maintaining the adjacent portion of the tent or canopy T in applied position. Each of the props 34 is provided at its lower portion with a pin 35 which is engaged within an eye member 36 extending outwardly from the supporting legs 22, 29 or 29' while the opposite end of said prop is provided with an upstanding pin 37 to extend through the tent or canopy T. Associated with the cross member or rail 2 of the section A or at the head portion of the bed structure are the props 38. The props 38 are arranged in pairs and each of said props is provided at its ends with the outstanding pins 39 and at a point inwardly of each of said ends with an outstanding eye member 40. The cross member or rail of the section A is provided with sockets 41, each of which being adapted to receive a pin 39 of a prop when applied. The props of each pair are operatively engaged by having a pin 39 of one prop disposed through an eye member 40 of the second prop as is believed to be clearly illus-

trated in the accompanying drawings. The uppermost pin of the top prop 38 is operatively engaged with the tent or canopy T. This tent or canopy T is adapted to be continued rearwardly of the bed when set up for use and may be thrown over the top of an automobile or other support whereby a compartment or room is provided to further facilitate the use of the outfit.

Supporting the tent adjacent the head portion of the section C are the props 42 constructed and operatively connected in substantially the same manner as hereinbefore set forth with respect to the props 38. When the structure is compacted the props 34, 38 and 42 are interposed between the superimposed sections B and C as is clearly illustrated in Figure 7 of the accompanying drawings.

I also find it convenient to have the adjacent end portions of the assembled props 38 support a shelf 43 or the like as is illustrated in Figure 8.

When the bed structure is folded or compacted the overlying sections A, B, C and D are held in such relation by the straps 44 secured to the outer side members or rails of the sections A and C.

Although not illustrated, I find it of advantage to incase or cover the folded or compacted bed structure within the tent or canopy T whereby the complete outfit may be readily and conveniently transported.

In transporting the outfit on an automobile or the like the same may be secured to the rear of the vehicle as generally illustrated in Figure 9 or mounted upon a running board of the vehicle or otherwise as the requirements of practice may prefer.

From the foregoing description it is thought to be obvious that a camping outfit constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

A camping outfit of the class described comprising a bed structure consisting of a pair of sections, means for hingedly connecting adjacent end portions of the sections to permit the same to be folded one upon the other, a bed fabric common to the sections, a plate carried by a side portion of one of the sections adjacent to its hinged connection and extending beyond the fabric, a swinging hook carried by the opposite side portion of said section adjacent its hinged connection, a bar adapted to be disposed across the fabric adjacent the hinged connection between the sections, the extremities of the bar being provided with outstanding trunnions, the plate being provided with an opening to receive one of said trunnions and the swinging hook being engageable over the second trunnion, said bar serving to hold the fabric under tension when the sections are in folded relation and also providing a retaining means for bed clothes when the sections are folded.

In testimony whereof I hereunto affix my signature.

CLAUDE E. MUSGRAVE.