

Feb. 25, 1930.

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1,748,809

CAMPING INSTALLATION

Filed April 2, 1927

2 Sheets-Sheet 1

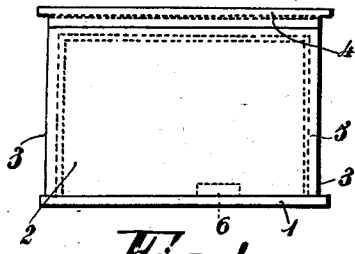


Fig. 1.

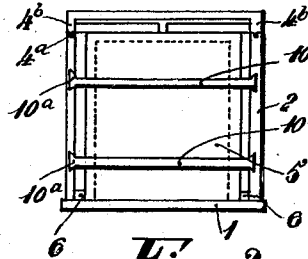


Fig. 3.

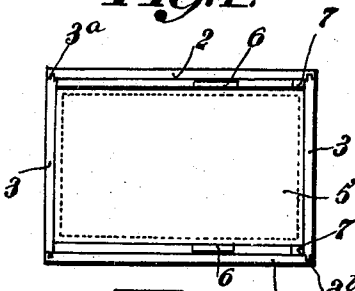


Fig. 2.

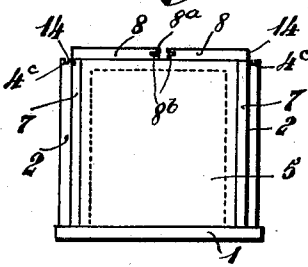


Fig. 4.

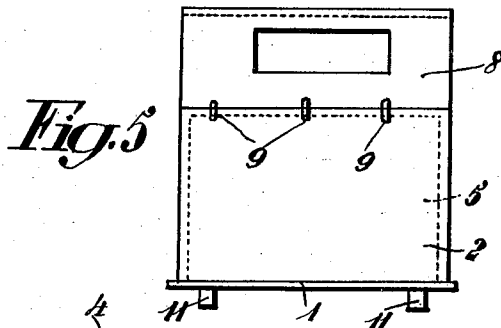


Fig. 5.

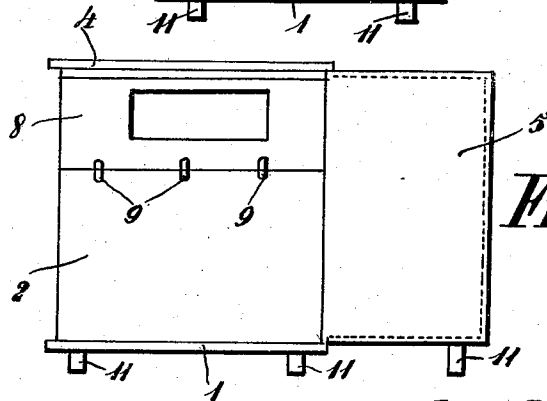


Fig. 6.

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Fig. 7.

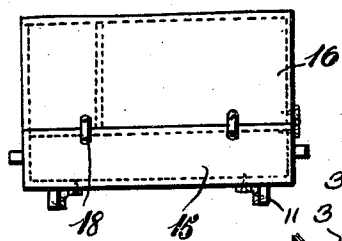


Fig. 8.

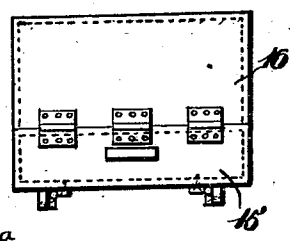


Fig. 11.

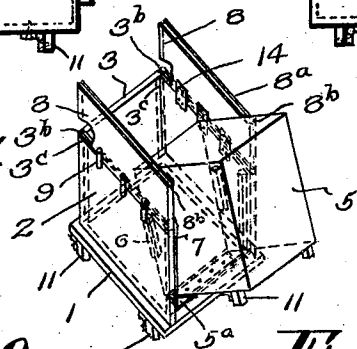


Fig. 9.

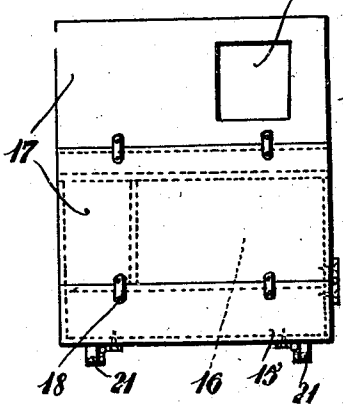
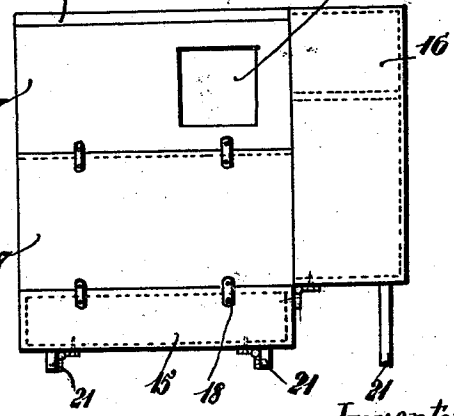


Fig. 10.



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CAMPING INSTALLATION

Application filed April 2, 1927, Serial No. 180,594, and in Belgium September 10, 1926.

The present invention relates to a camping apparatus which for transport can be folded up into the form of a case of relatively reduced dimensions and which when opened out for use is of sufficient size to contain a bed as well as various furniture accessories.

The apparatus according to the invention essentially comprises a case or a floor forming a bed support, a second case open on one of its faces and adapted to fold inwardly and outwardly with respect to said first case whereby the longitudinal axes of said cases are laid parallel and at right angles to each other for transport and camping purposes respectively, and movable panels adapted to extend said first case vertically for forming a camping shelter in conjunction with said second case.

Other advantages and particulars of the invention will be gathered from the ensuing description in conjunction with the accompanying drawings which represent the invention diagrammatically and merely by way of example and in which:

Fig. 1 is an elevational view of the apparatus, closed for transport, according to a modified form of construction.

Fig. 2 is a corresponding plan view with the cover removed.

Fig. 3 is an end view of the closed apparatus.

Fig. 4 is a similar view to that of Fig. 3, one of the small sides of the case being removed.

Fig. 5 is an elevational view of the apparatus partially erected.

Fig. 6 is an elevational view of the apparatus completely erected.

Fig. 7 is an elevational view of the apparatus according to another form of embodiment, folded up for transport.

Fig. 8 is a corresponding end view.

Fig. 9 is an elevational view of the apparatus partially opened out.

Fig. 10 is a similar view to that of Fig. 9 but showing the apparatus erected for use.

Figure 11 is a perspective view showing the second case partially swung out.

Turning to Figs. 1 to 6 inclusive, the apparatus according to the invention is essentially

constituted by a case comprising, in the usual manner, a bottom 1, two long vertical panels 2, two short vertical panels 3 and a lid or cover 4.

The cover 4 and the two short vertical panels 3 are removable and are fitted onto the two long vertical panels 2. The cover is fitted on by means of tenons 4^a formed in the ledges 4^b of the cover and sliding in corresponding mortises 4^c let into the upper end of the panels 2. The panels 3 are fixed in like manner by means of tenons 3^a and mortises 3^b.

A cupboard 5 is hinged as at 5^a to one end of the bottom 1 of the case, this cupboard 5 being closed down over the floor 1 and within the case, when about to be transported. On the contrary, when the apparatus is opened out the cupboard 5 is raised into the vertical position as shown in Fig. 6.

In order to prevent the cupboard 5 from tilting when in vertical position, said cupboard is provided with abutments 6 adapted to bear against the uprights 7 fixed to the case (see Fig. 2).

Panels 8 of same length as the panels 2 but smaller in width, are secured to the upper end of the long vertical panels 2 by means of hinges 14 and have mortises 8^b let into their edges 8^a for maintaining the cover in place.

In packing position, the panels 8 are let down over the cupboard which is itself let down over the bottom 1 of the case.

The apparatus according to the invention is utilized in the following manner.

For transport, the cupboard 5 is closed down over the bottom 1 of the case, the panels 8 are let down over the cupboard 5 and the short panels 3 as well as the cover 4 are fixed to the long panels 2.

In order to erect the apparatus the cover 4 is removed and then the short panels 3. The panels 8 are swung up and brought into vertical position extending the long vertical panels 2, the panels 8 being prevented from tilting backwards by tabs 9 secured to said panels, and adapted to abut against the sides 2 when said panels 8 are in vertical position.

The cupboard 5 need then only be raised in order to bring it into the position of Fig. 6

and the tenons 4^a of the cover 4 are made to engage in the mortises 8^b of the panels 8 so as to form a roof. A complete shelter is thus obtained.

5 As will be observed, the short vertical panels 3 are not made use of in the course of erection of the apparatus. Under these circumstances they may with advantage be abolished and replaced by boards 10 which
10 stay the long panels 2. These boards 10 are preferably mounted in position by means of dove-tails 10^a. In this wise the panels 2 are prevented from moving out of the perpendicular during transport and the apparatus
15 is eased from strain.

The apparatus may of course also be provided with foldable legs 11 which are used, on the apparatus being erected, for raising the bottom 1 of the case in order to shield
20 the occupant from humidity.

In the example which has just been described, it will be noticed that only one end of the apparatus is closed when this latter has been erected (namely the end closed by the
25 cupboard 5).

Closing means might however be provided for the opposite end, such as a door for example.

30 Figs. 7 to 10 inclusive show a constructional modification of the apparatus as it has just been described. In this instance the apparatus is essentially constituted by a chest 15 having a cupboard 16 hinged to one of its ends and which for transport purposes is
35 closed down over the chest 15.

For the erection of the apparatus with a view to utilizing it, panels 17 are provided which are secured to the chest 15 so as to form the side walls of the shelter. These panels 17
40 are maintained in position by means of locking plates 18. The installation is completed by placing the cupboard 16 in its vertical position and by placing the roof in position, which latter is formed by boards 19 resting
45 against the edge of the cupboard and the walls of the shelter.

The dimensions of the panels 17 and of the boards 19 are such that these latter may be housed within the chest 15 which for this purpose is hollow and is provided with a removable side serving as a door.
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Should it be desired to close the shelter completely, a door is provided fitting into the side of the shelter opposite the cupboard 16,
55 ventilation being produced by means of an opening 20 in a panel 17.

As in the previous case, the apparatus may be provided with foldable legs 21 intended to raise the shelter so as to decrease the humidity, the bed being constituted by the upper
60 face of the chest 15.

It will be observed that in this case, as in the preceding one, the occupant is sheltered from all inclemencies of the weather.

35 Naturally, the dimensions of each of the

fixed or movable sides and of the hinged panels, as well as the dimensions of the chest and of the cupboard, must be so calculated that when the apparatus is erected, these various members perfectly fit in with each other. The apparatus according to the invention
70 may be made of any suitable material but preferably of wood.

It is obvious that the invention has only been described and illustrated here in a purely explanatory and by no means limitatory
75 manner and that it could be subjected to various modifications in detail without departing from the spirit thereof.

I claim:

80 1. Camping apparatus comprising a transportable case, two fixed long vertical sides to said case, removable boards for staying said fixed sides, a removable lid to said case, a panel hinged to each of said fixed long
85 vertical sides, locking plates for securing each of said panels in raised position above said fixed long vertical sides, a cupboard hinged to the bottom of said case and thereby adapted to be extended from horizontal
90 position within the case to vertical position substantially outside the case and closing one end thereof, uprights positioned within said case, abutments on said cupboard resting
95 against said uprights when said cupboard is raised into vertical position, and folding legs secured to the bottom of said case.

2. Transportable camping apparatus comprising a case forming a bed support, a second case having means by which it is adapted to fold inwardly and outwardly with respect to
100 said first case for transport and camping purposes respectively, and movable panels adapted to extend said first case vertically for forming a camping shelter in conjunction
105 with said second case.

3. Transportable camping apparatus comprising a case forming a bed support, a second case open on one of its faces and having means by which it is adapted to fold inwardly and outwardly with respect to said first
110 case whereby the longitudinal axes of said cases are laid parallel and at right angles to each other for transport and camping purposes respectively, and movable panels adapted
115 to extend said first case vertically for forming a camping shelter in conjunction with said second case.

4. Transportable camping apparatus comprising a case forming a bed support, a second case open on one of its faces and having means by which it is adapted to fold inwardly and outwardly with respect to said first case
120 whereby the longitudinal axes of said cases are laid parallel and at right angles to each other for transport and camping purposes respectively, movable panels adapted to extend
125 said first case vertically for forming a camping shelter in conjunction with said 130

second case, and a cover fitting over the top of said panels.

5 5. Transportable camping apparatus comprising a case, a second case open on one of its faces and having means by which it is adapted to fold within said first case for purposes of transport, and to assume an erect position without said first case for camping purposes, and movable panels adapted, during transport, to close down over said 10 second case and, for camping, to extend said first case vertically for forming a shelter in conjunction with said second case.

15 6. Transportable camping apparatus comprising a case including a removable side thereto, a cupboard open on one of its faces and having means by which it is adapted to fold within said case for purposes of transport and to be moved into upright position 20 without said case for camping, panels hinged to said case for extending said case vertically to form a shelter in conjunction with said cupboard, said panels being adapted to close down over said cupboard during transport, 25 and a removable cover closing said case during transport and forming a roof to said camping shelter.

7. Transportable camping apparatus comprising a case including a fixed bottom, a cupboard connected to one edge of said case bottom, and having means by which it is adapted to fold within said case and move into vertical position without said case for transport and camping purposes respectively, panels hinged 35 to said case for extending the same vertically to form a shelter in conjunction with said cupboard, said panels being adapted to close down over said cupboard during transport, and a removable lid to said case adapted to be placed over said panels both for transport and 40 camping purposes.

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