

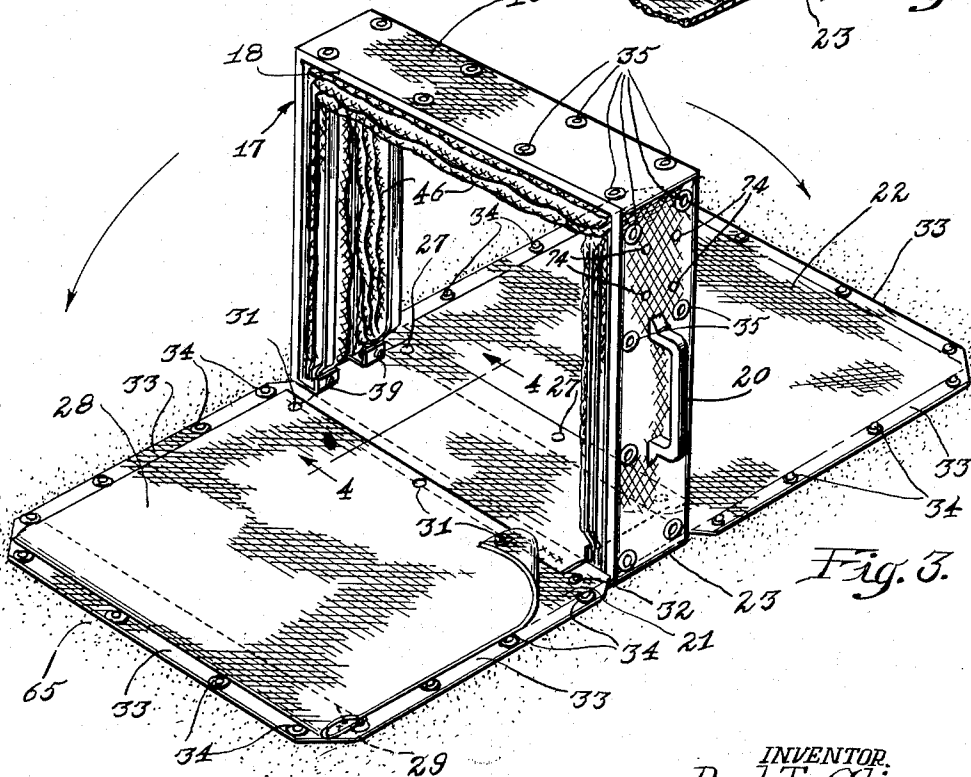
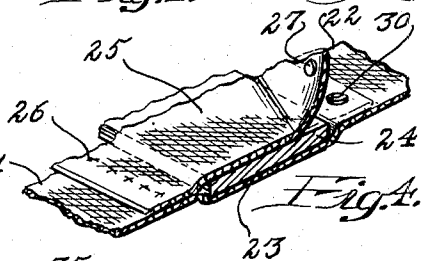
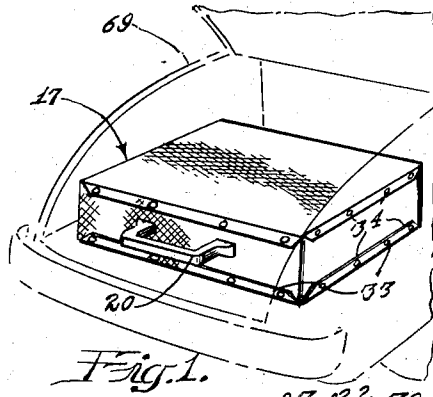
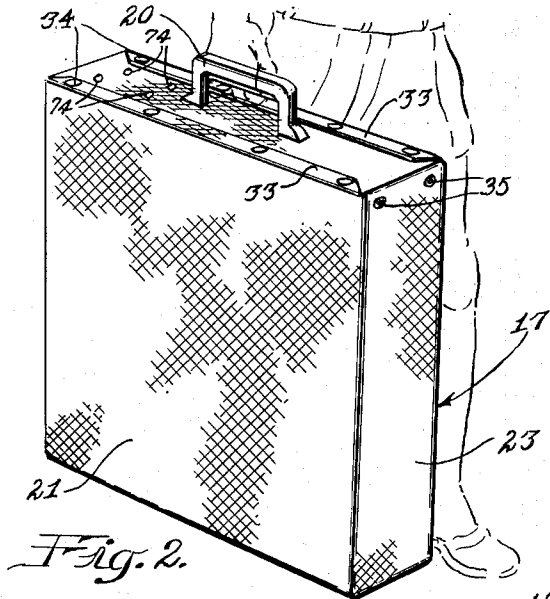
Nov. 28, 1950

P. T. CLINE
PORTABLE SHELTER

2,531,501

Filed Nov. 29, 1948

5 Sheets-Sheet 1



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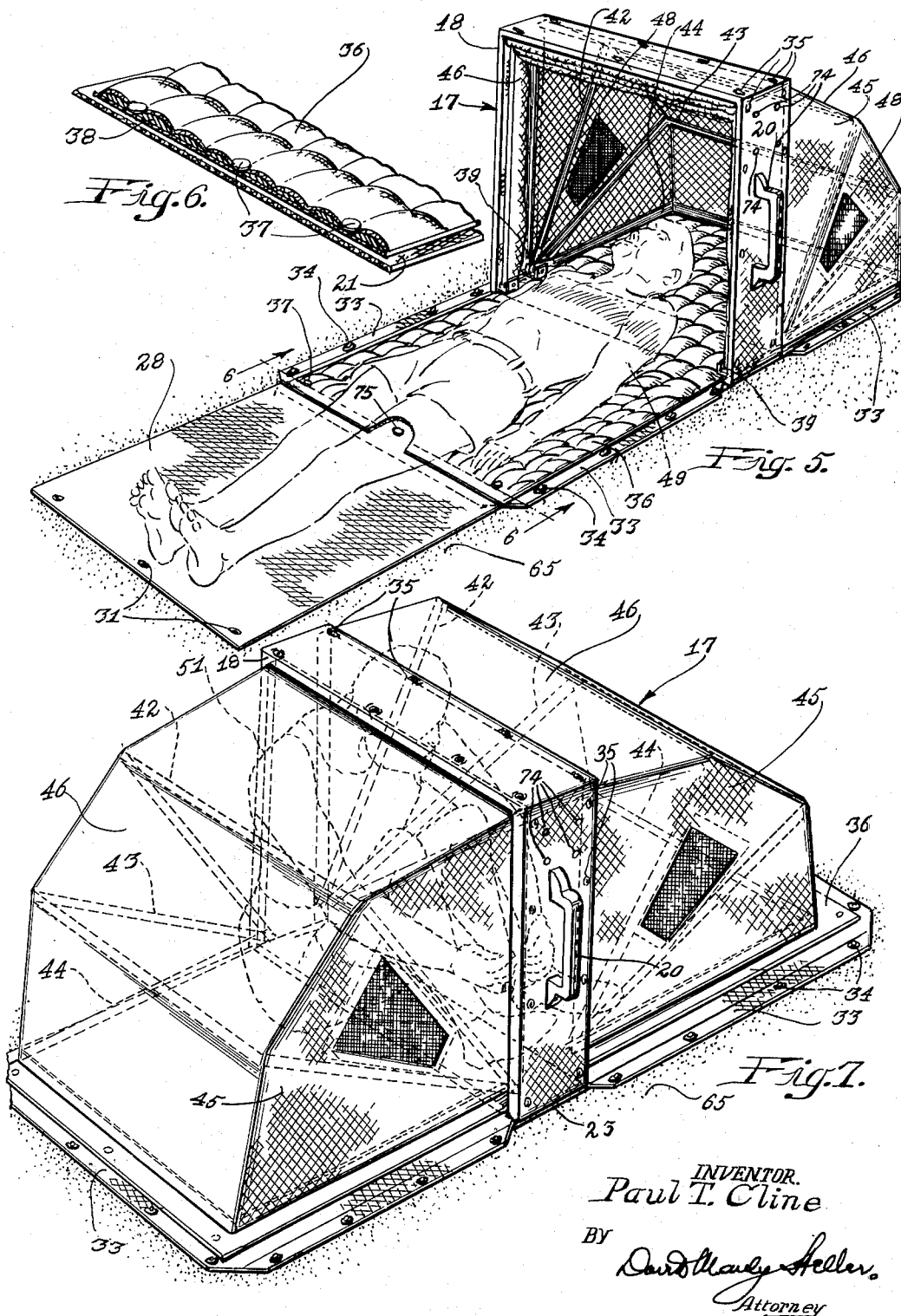
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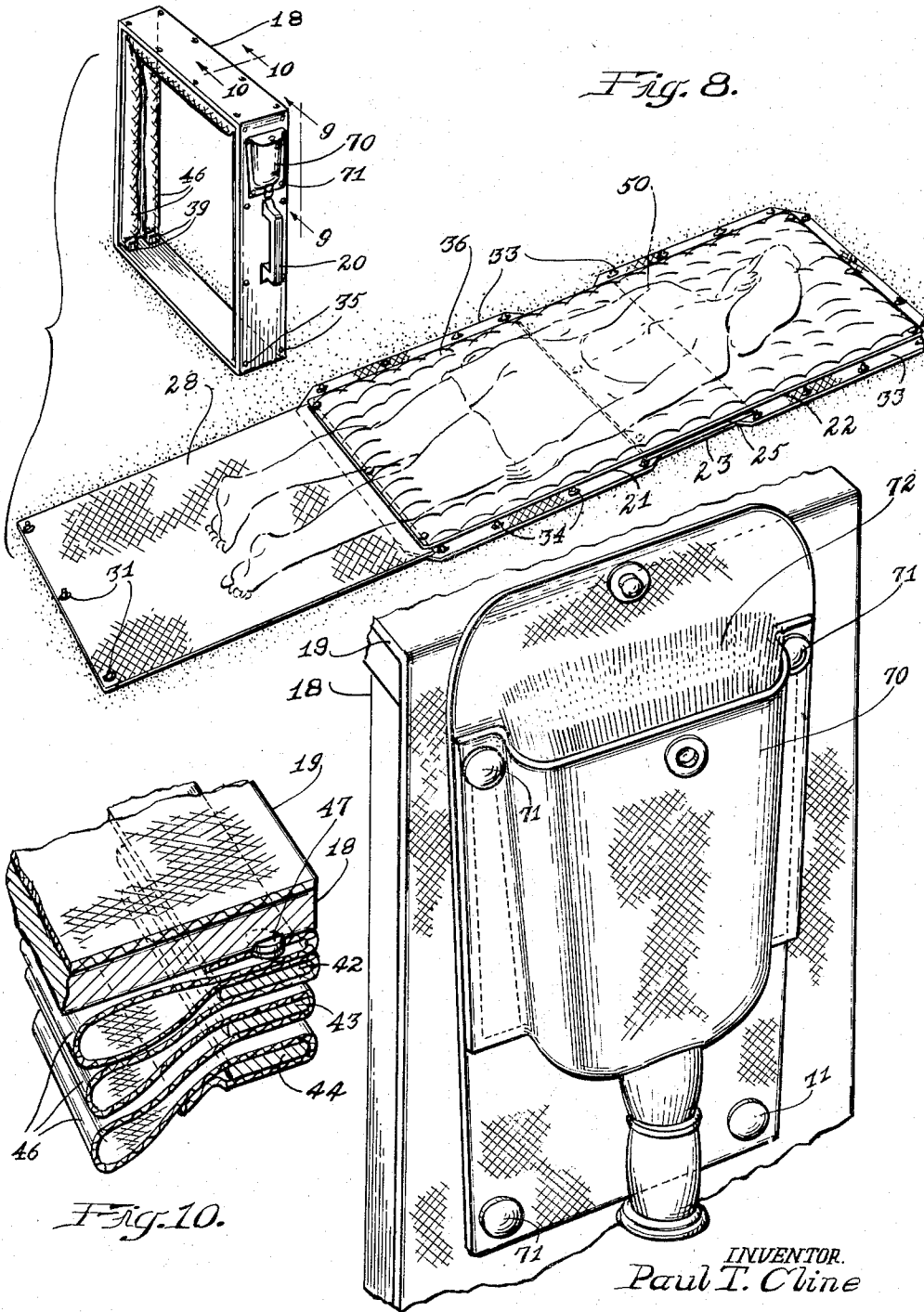
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2,531,501

Filed Nov. 29, 1948

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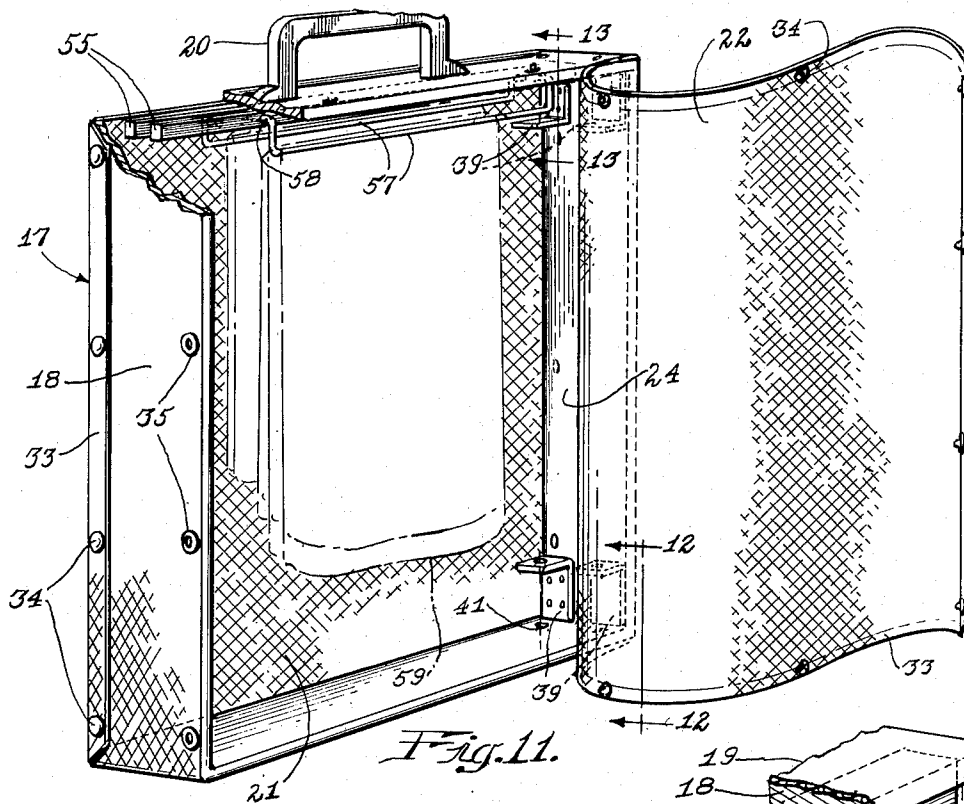


Fig. 11.

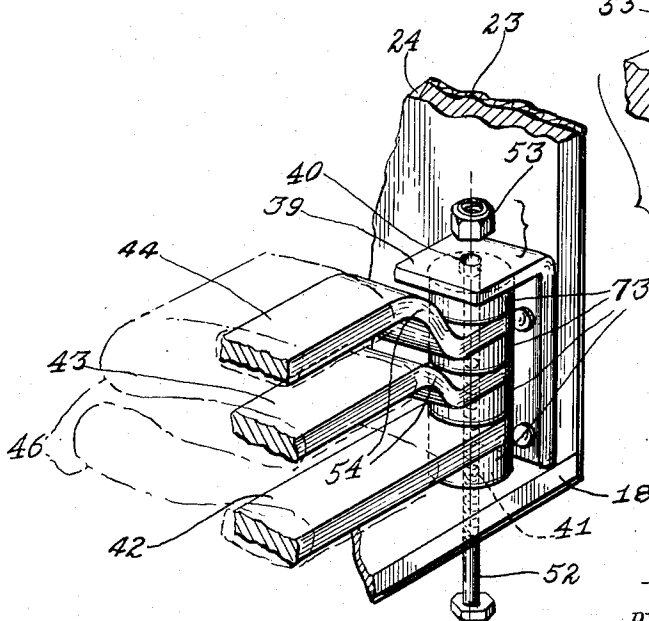


Fig. 12.

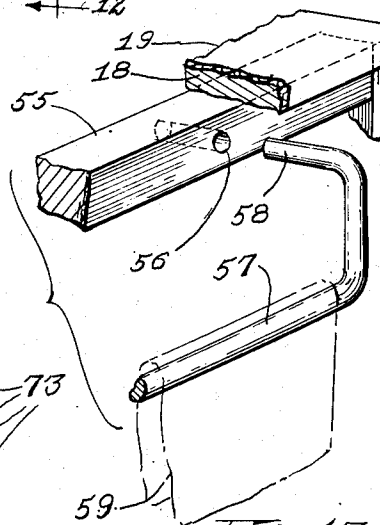


Fig. 13.

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Filed Nov. 29, 1948

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Fig. 14.

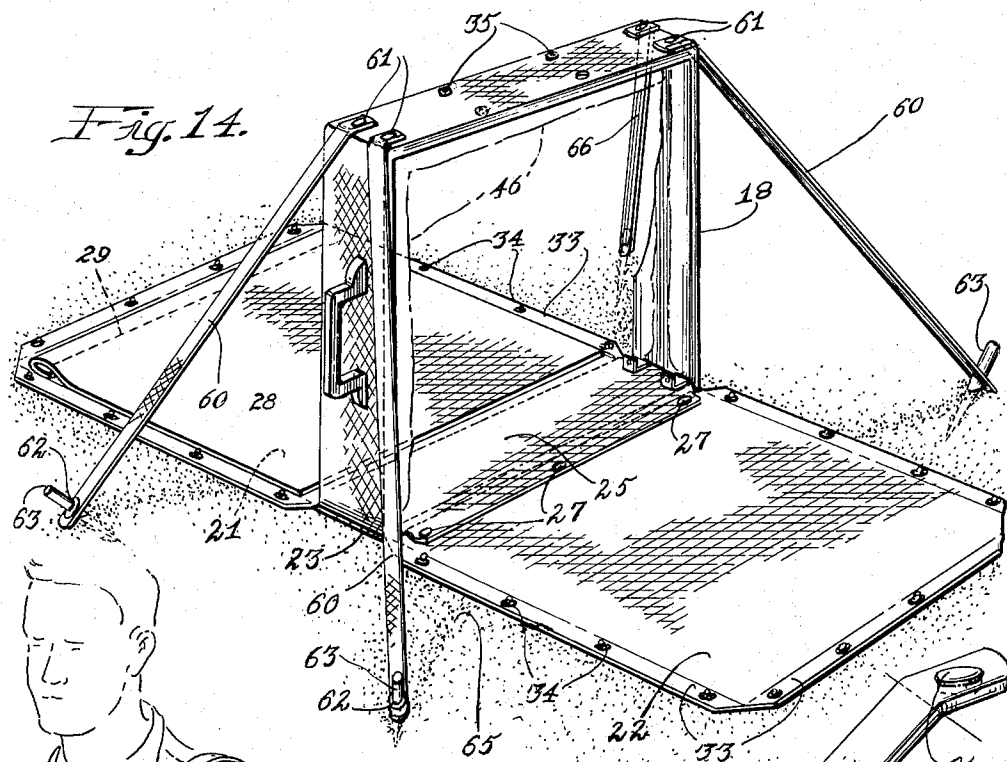


Fig. 15.

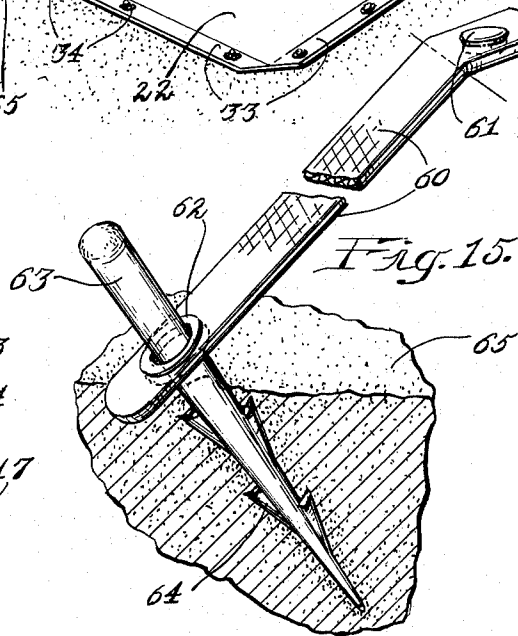
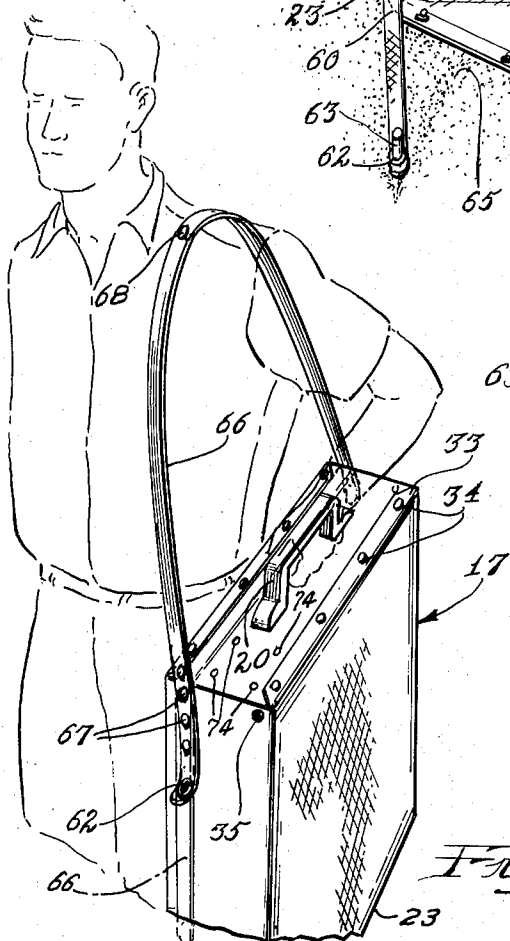


Fig. 16.



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UNITED STATES PATENT OFFICE

2,531,501

PORTABLE SHELTER

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Application November 29, 1948, Serial No. 62,511

6 Claims. (Cl. 135-7.1)

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My invention relates to combination portable shelter and carrying cases, a principal use for which would be picnics and beach parties.

An important object of my invention is to provide a combination portable shelter and carrying case of light weight portable construction, small enough to fit within the trunk compartment of an automobile, or be carried by its handle, and large enough so that when set up on the ground it will house a seated or reclining adult.

A still further object of my invention is to provide a portable shelter and carrying case, the opening sides of which are made of a waterproof fabric and are detachable by means of snap fasteners from the frame of the case, so that they may be laid flat upon the sand for the purpose of reclining thereon.

A further object of my invention is to provide a waterproof fabric covered cushion, which may be attached to said waterproof fabric covering the portable shelter, to provide a cushion for a person sitting or reclining thereon.

A still further object of my invention is to provide, mounted pivotably within the frame of my portable shelter, two collapsible waterproof fabric covered wind and sun shelters; one on either side and removably attached so that, in their open position, together with the frame of the portable shelter, they will provide shelter and privacy, being sufficiently large to enable an adult to sit or recline therein, or to change clothes.

A still further object of my invention is to provide a number of screened air vents in the sides of the wind shelter aforementioned.

A still further object of my invention is to provide a number of detachable wire hangers, on the inside of my combination portable shelter and carrying case, for the purpose of hanging clothes, towels, etc., or when it is used as a traveling case, the wind shelters may be entirely removed to provide still more room within the case.

A still further object of my invention is to provide a number of straps and pegs, to be used for anchoring my combination portable shelter and carrying case, to the sand or ground.

A still further object of my invention is to provide a fabric covered brush holder and a clothes brush which, by means of snap fasteners, may be attached to the outside of my case, the brush to be used for brushing sand from the case and from clothes when packing up.

The following description and accompanying

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illustrations will disclose other objects and advantages that are included in my invention, in which like parts are designated by like numerals, and in which

Fig. 1 represents a perspective view of my combination portable shelter and carrying case within the trunk compartment of an automobile shown in phantom line.

Fig. 2 is a perspective view of my combination portable shelter and carrying case shown being carried by a person.

Fig. 3 is a perspective view showing my portable shelter with its fabric sides lying opened out on the sand.

Fig. 4 is a cross-sectional view of a portion of my portable shelter taken substantially on lines 4-4 of Fig. 3 and showing the means of detaching the fabric sides from the frame.

Fig. 5 is a perspective view of my portable shelter showing one of the wind breakers in operative position, and also showing a figure in phantom line reclining upon the cushion attached to the open base of the shelter.

Fig. 6 is a cross-sectional view taken substantially on line 6-6 of Fig. 5.

Fig. 7 is a perspective view of my portable shelter showing both side wind shelters in operative position, and showing, in dotted lines, a figure seated therein.

Fig. 8 is a perspective view of my portable shelter showing the base of the shelter open, to form a reclining mat, and showing the skeleton case removed therefrom.

Fig. 9 is an enlarged perspective view of a fragment of the case of my shelter looking in the direction of line 9-9 of Fig. 8 and showing a clothes brush in its case attached thereto.

Fig. 10 is a cross-sectional view of a portion of the case of my invention taken substantially on lines 10-10 of Fig. 8.

Fig. 11 is a perspective view of my invention shown being used as a carrying case, with one side open and broken to show the hanger construction thereof, the collapsible wind shelters having been removed therefrom.

Fig. 12 is an enlarged view taken looking in the direction of lines 12-12 on Fig. 11 with the addition of the collapsible ribs, essential element of the collapsible shelter structure.

Fig. 13 is a perspective view taken looking in the direction of lines 13-13 of Fig. 11 and showing the hanger attachment means of my invention.

Fig. 14 is a perspective view of my invention shown in an open position and with the anchor-

ing straps attached, certain parts being broken away.

Fig. 15 is an enlarged perspective view, partly in section, showing the anchoring means for securing the strap by virtue of peg means to the sand or ground surface.

Fig. 16 is a perspective view of a portion of my invention illustrating how one of the anchoring straps may be used as a shoulder strap to aid in carrying the case by the figure illustrated in phantom line.

My invention is generally designated 17, and consists of a four-sided frame 18, made of a light weight material such as wood, and of a size to enable it to be placed easily within the trunk compartment of a car 69, shown in phantom line in Fig. 1, or to be carried by hand as shown in Fig. 2.

Three sides of the frame 18 are covered with a waterproof fabric 19. On one end, a handle 20 is attached. The bottom 24 of the frame 18 and the two open sides of my portable shelter and carrying case 17 are covered by a length of waterproof fabric, the sidewall-forming portions of which are designated 21 and 22, and the bottom wall portion is designated 23. A flap of waterproof fabric 25 is attached to the side portion 21 at 26, the free edge of which is provided with a number of male snap fasteners 27, which being fastened to female snap fasteners 30, on the side portion 22, provide an attaching or detaching means for the portions 21 and 22 with the frame 18. Sewed or otherwise attached to the outer end of the side portion 21 at 29 is an extending flap 28, which may be unfolded outwardly to provide additional reclining area, as shown in Fig. 5, or by means of male and female snap fasteners 31 and 32 may be maintained in a folded, out-of-the-way position against the side portion 21, as shown in Fig. 3.

The edges of the sides 21 and 22 are provided with narrow extended folds 33, upon which are mounted male snap fasteners 34, which together with female snap fasteners 35 mounted upon three sides of the frame 18 provide the means of securely fastening the sidewall-forming portions 21 and 22 thereto, forming a closed carrying case.

I also provide a removable cushion 36, made of a cushioning material 38 such as sponge rubber, contained between two lengths of waterproof fabric and provided with snap fasteners 37 engaging complementary fasteners 75 on side portion 21 (see Fig. 5) to hold said cushion 36 in place on the opened portions 21 and 22.

Mounted in four places upon the inside walls of the frame 18 are two sets of brackets 39, which by means of bolts 52 and lock nuts 53 through holes 40 in the brackets 39 and holes 41 in the frame 18, as shown in Fig. 12, provide pivotable mounting means for two sets of three ribs numbered 42, 43, and 44, which are separated by four spacers 73. The ribs 43 and 44 are offset at 54 to provide additional space between said ribs and to prevent the accidental touching of the body or catching of clothes by the habitant or occupant of the shelter on the lock nut 53. The ribs 42, 43, and 44 are spaced so as to provide room for the folds of waterproof fabric covering materials 46 when in a collapsed position, as shown in Fig. 10. One end of the fabric covering 46 is attached to the rib 44; the other end is attached to the inside of the frame 18 at the top by means of snap fasteners 47 so that it may be detached as desired.

Sides 45 of the wind shelter fabric 46 are provided with a number of screened vents 48, as shown in Fig. 5 and Fig. 7, to provide ventilation. Attached to the inside of the handle end of frame 18 are two stiffeners 55 providing extra strength where it is needed to the frame 18 and supporting, by means of drilled holes 56, a number of wire hanger rods 57 by means of bent ends 58 thereon, removably insertable in the holes 56. Thus by means of these detachable hangers 57, my portable shelter may also be used as an efficient and practical carrying case, as illustrated in Fig. 11, with clothes 59 shown hanging upon the hanger 57. In this illustration, the ribs 42, 43, and 44, together with the windbreaking fabric 46, have been removed, to provide extra carrying space. However, the portable shelter may contain clothes or other items without removing the aforesaid ribs and windbreaking fabric.

If it is desirable to anchor my shelter when at the beach or on a picnic, I provide three straps 60; on one end of which are attached male snap fasteners 61 to mate with the aforementioned female snap fasteners 35 on the frame 18; the other end of the strap 60 is provided with a grommet 62 to fit over the end of a plastic peg 63 which is provided with barbs 64 to hold it firmly in the sand or earth 65, as shown in Fig. 15. A fourth strap 66 has, besides the aforementioned grommet 62 and the male snap fastener 61, a number of male snap fasteners 67 on the grommet end, in order that the strap 66 may be used as a shoulder carrying strap, as illustrated in Fig. 16, by snapping one of the male snap fasteners 67 into one of the female snap fasteners 35 on the frame 18, a number of snap fasteners 67 being provided in order to accommodate the length of the strap 66 to the height of the person carrying a portable shelter. When the strap 66 is not being used as a carrying strap or as an anchor strap, it may be snapped tightly against the outside of the frame 18 by means of a male snap fastener 68 engaging in one of the sockets 35 on bottom wall portion 23, as shown in phantom line in Fig. 16.

All straps, if preferable, may be made similar to the construction called for in strap 66 so as to be used interchangeably.

The straps 60, together with the pegs 63, and the removable cushion 33 may be carried within the portable shelter and carrying case 17 when not in use.

A clothes brush 72 and its container case 70 may, by means of snap fasteners 71, be attached to fasteners 74 the outside of the frame 17 when going to the beach or on a picnic. When not required, the case 70 may be removed and left at home, or carried inside the case as desired.

In Fig. 5, I show one of the many uses of my invention. In this case, a figure 49 is shown reclining upon the cushion 36 and using one of the windbreaker sides 46 as a partial sunshade.

In Fig. 7, I show my invention with the sides 46 down and a man 51, in dotted lines, changing his clothes in the privacy afforded by the tent-like structure.

In Fig. 8, I show the connected fabric sidewall-forming portions 21 and 22 entirely removed from the frame 18, and a figure 50 reclining on the cushion 36 attached thereto, in use as a reclining mat.

Fig. 11, as has been previously described, shows my invention being used as a carrying case.

A most desirable feature of my invention is that, in one unit, it may contain all of the requi-

sites for a beach party or picnic, eliminating the necessity for loosely carrying blankets, hampers, bathing suits, towels, etc., since these may be packed within my portable shelter and carrying case and easily transported, the same being adaptable to form a reclining mat, a sunshade and reclining mat, and/or an enclosure affording privacy to an occupant.

Though I have shown and described a particular construction of my combination portable shelter and carrying case, it will be understood that I do not wish to be limited to the particular construction shown, but desire to include in the scope of my invention, the construction, combination, and arrangement substantially set forth in the subjoined claims.

Having thus described and disclosed my invention, what I claim as novel, and desire to secure by Letters Patent, is:

1. A combination portable shelter and carrying case comprising, a four-walled framework provided with snap fastening means secured thereto adjacent perimetral edges of its exterior surfaces, and a textile element removably secured substantially at its mid portion to a bottom wall of said framework and provided with mating snap fastening means removably securable to said first-mentioned snap fastening means to form a carrying case, said textile element forming a reclining mat when in open and flat arrangement.

2. A combination portable shelter and carrying case comprising, a four-walled framework provided with snap fastening means secured thereto adjacent perimetral edges of its exterior surfaces, and a textile element removably secured substantially at its mid portion to a bottom wall of said framework and provided with mating snap fastening means removably securable to said first-mentioned snap fastening means to form a carrying case, said textile element forming a reclining mat when in open and flat arrangement, and a pair of collapsible waterproof wind and sun shelters mounted interiorly, and on each end, of said framework.

3. A combination portable shelter and carrying case comprising, a four-walled framework provided with snap fastening means secured thereto adjacent perimetral edges of its exterior surfaces, and a textile element removably secured substantially at its mid portion to a bottom wall of said framework and provided with mating snap fastening means removably securable to said first-mentioned snap fastening means to form a carrying case, said textile element forming a reclining mat when in open and flat arrangement, and a second textile element removably securable to an inner face, and joined to an outer end, of said first-mentioned textile element to form an extension for said reclining mat.

4. A combination portable shelter and carrying case comprising, a four-walled framework provided with snap fastening means secured thereto adjacent perimetral edges of its exterior surfaces, and a textile element removably secured substantially at its mid portion to a bottom wall of said framework and provided with mating snap fastening means removably securable to said first-mentioned snap fastening means to form a carry-

ing case, said textile element forming a reclining mat when in open and flat arrangement, a pair of collapsible waterproof wind and sun shelters mounted interiorly, and on each end, of said framework, and a second textile element removably securable to an inner face, and joined to an outer end, of said first-mentioned textile element to form an extension for said reclining mat.

5. A combination portable shelter and carrying case comprising, a four-walled framework provided with snap fastening means secured thereto adjacent perimetral edges of its exterior surfaces, and a textile element removably secured substantially at its mid portion to a bottom wall of said framework and provided with mating snap fastening means removably securable to said first-mentioned snap fastening means to form a carrying case, said textile element forming a reclining mat when in open and flat arrangement, a second textile element removably securable to an inner face, and joined to an outer end, of said first-mentioned textile element to form an extension for said reclining mat, and cushion means provided with snap fastening means engageable with said second-mentioned snap fastening means to removably attach said cushion means to said reclining mat.

6. A combination portable shelter and carrying case comprising, a four-walled framework provided with snap fastening means secured thereto adjacent perimetral edges of its exterior surfaces, and a textile element removably secured substantially at its mid portion to a bottom wall of said framework and provided with mating snap fastening means removably securable to said first-mentioned snap fastening means to form a carrying case, said textile element forming a reclining mat when in open and flat arrangement, a pair of collapsible waterproof wind and sun shelters mounted interiorly, and on each end, of said framework, a second textile element removably securable to an inner face, and joined to an outer end, of said first-mentioned textile element to form an extension for said reclining mat, and cushion means provided with snap fastening means engageable with said second-mentioned snap fastening means to removably attach said cushion means to said reclining mat.

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