H. J. DIETRICH.

FOLDABLE CAMP KIT.

APPLICATION FILED APR. 9, 1918.

1,304,279.

Patented May 20, 1919.

2 SHEETS—SHEET 1.

Fig.1.

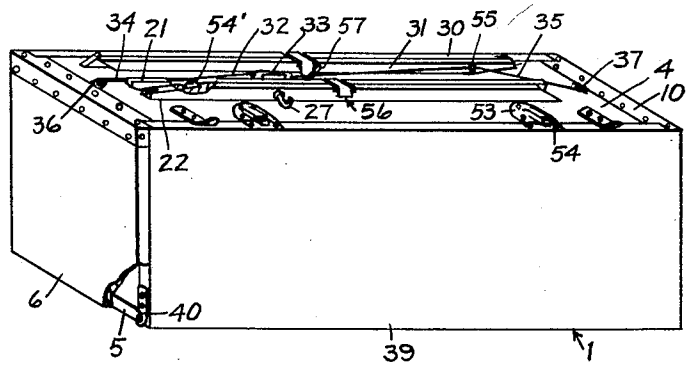


Fig.2.

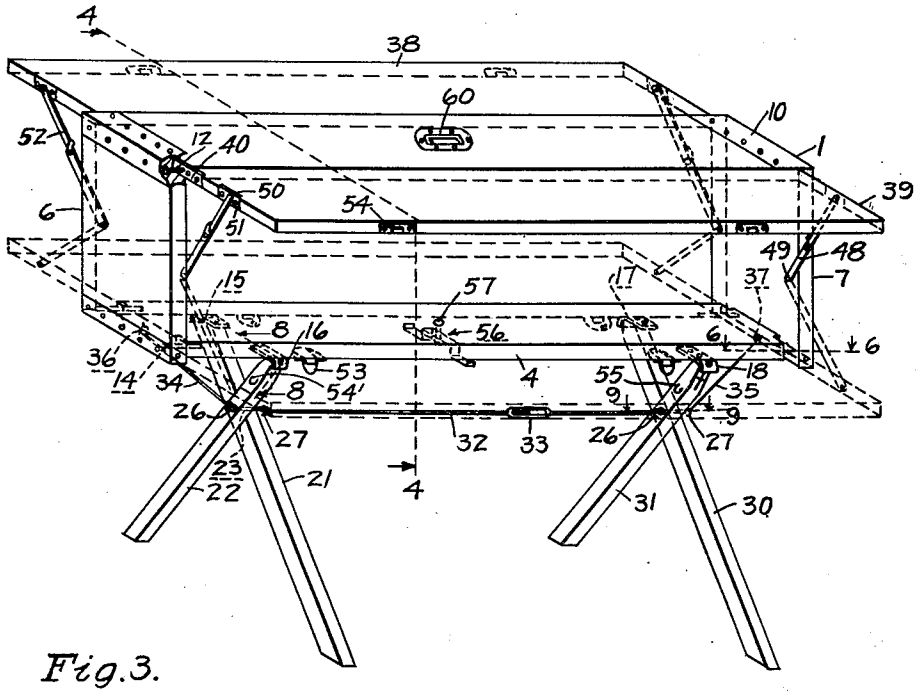
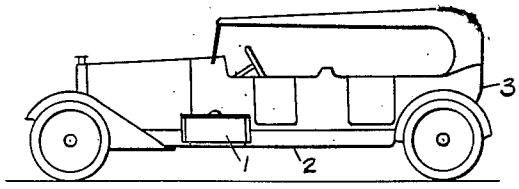


Fig.3.



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2 SHEETS—SHEET 2.

Fig. 4.

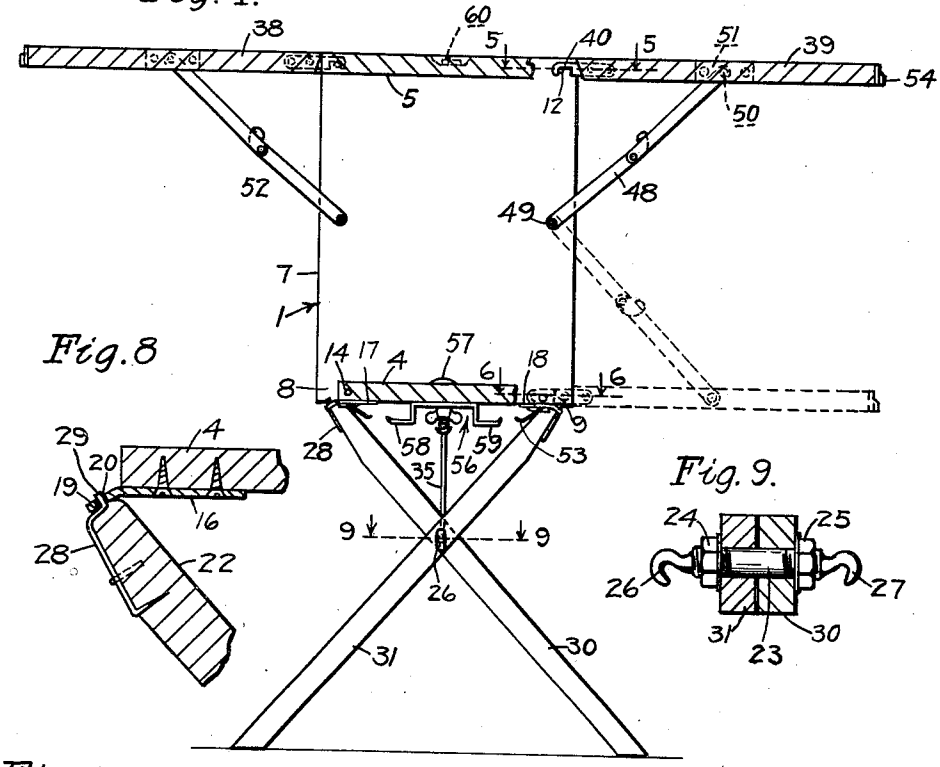


Fig. 8

Fig. 9.

Fig. 5.

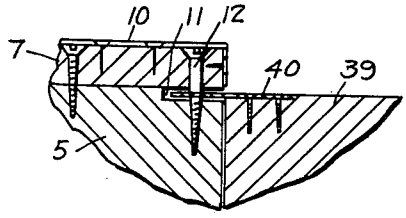


Fig. 6.

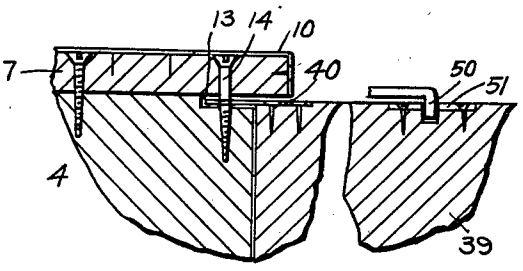
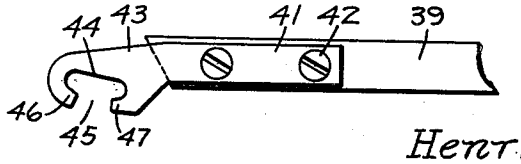


Fig. 7.



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UNITED STATES PATENT OFFICE.

HENRY J. DIETRICH, OF LOS ANGELES, CALIFORNIA.

FOLDABLE CAMP KIT.

1,304,279. Specification of Letters Patent. Patented May 20, 1919.

Application filed April 9, 1918. Serial No. 227,579.

To all whom it may concern:

Be it known that I, HENRY J. DIETRICH, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Foldable Camp Kits, of which the following is a specification.

My object is to make a foldable camp kit and my invention consists of the novel features herein shown, described and claimed.

Figure 1 is a perspective of a foldable camp kit embodying the principles of my invention, the parts being folded and ready for transportation.

Fig. 2 is a perspective with the parts unfolded and set up to form a high table, the high table being shown in full lines, and it being shown in dotted lines how the leaves of the table may be lowered to form a low table.

Fig. 3 is a side elevation showing the folded camp kit in position for transportation upon the running board of an automobile.

Fig. 4 is a vertical cross-section on the line 4—4 of Fig. 2, and showing the two table leaves in position to form a high table, and showing in dotted lines, one leaf lowered to form a low table.

Fig. 5 is a fragmentary horizontal sectional detail on the line 5—5 of Fig. 4.

Fig. 6 is analogous to Fig. 5 and taken on the line 6—6 of Fig. 4, with the leaf in place.

Fig. 7 is a fragmentary end elevation of one of the leaves.

Fig. 8 is a fragmentary vertical sectional detail on the line 8—8 of Fig. 2.

Fig. 9 is a sectional detail on the lines 9—9 of Figs. 2 and 4.

The foldable camp kit package 1 is adapted to be mounted on the running board 2 of the automobile 3 for transportation.

The main frame or body comprises the bottom board 4, the top board 5 and the end boards 6 and 7 rigidly secured to the top and bottom boards which are parallel and the end boards 6 and 7 fit against the ends of the top and bottom boards. The end boards 6 and 7 are the same width as the top board 5 and the bottom board 4 is the thickness of a board narrower at each side than the top board, thus making recesses 8 and 9 between the end boards along the edges of the bottom board.

Angle finishing plates 10 cover the corners at the upper and lower ends of the end boards 6 and 7 and cover the cracks between the end boards and the top and bottom boards.

Slots 11 are formed between the ends of the top board 5 and the upper ends of the side boards 6 and 7; said slots extending from the edges of the boards and screws 12 are inserted through the end boards across the slots 11 into the top board. In a like manner slots 13 are formed between the ends of the bottom board and the inner faces of the end boards and screws 14 are inserted through the end boards through the slots 13 into the bottom board.

The screws 12 and 14 are inserted before the finishing plates 10 are applied.

Socket plates 15, 16, 17 and 18 are secured to the lower face of the bottom board 4 and extend short distances outwardly beyond the edges of the bottom board, the outer ends 19 being turned downwardly at an angle of about thirty degrees, and there being openings 20 through these ends 19 to form sockets.

The legs 21 and 22 are crossed sticks pivotally connected together by a bolt 23, there being nuts 24 and 25 upon the bolt upon the opposite sides of the sticks and hooks 26 and 27 extending from the ends of the bolt.

Plates 28 are secured to the upper outer surfaces of the legs 21 and 22 and pintles 29 extend from the ends of these plates to be removably inserted through the sockets 20.

In a like manner the legs 30 and 31 are pivoted together and have pintles to engage the sockets in the plates 17 and 18. A truss rod 32 having a turn buckle construction 33 connects the hook 27 of the legs 21 and 22 to the hook 26 of the legs 30 and 31, and braces 34 and 35 connect the hook 26 of the legs 21 and 22 and the hook 27 of the legs 30 and 31 to screw eyes 36 and 37 secured in the bottom board 4.

The table leaves 38 and 39 are substantially alike.

Hinge members 40 are secured to the inner corners of the leaves to enter the slots 11 and engage the screws 12, said screws serving as hinge pins. The hinge members 40 each

comprise an attaching plate 41 secured to the end of the leaf by screws 42, a bearing plate 43 extending from the attaching plate 41 and having an elongated opening 44 and a slot 45 leading to the opening at the center of its lower long side, thereby producing a pulling hook 46 and a pushing hook 47.

When the leaf 39 is placed in position with the hinge members 40 in the slot 11, the hinge members are pressed downwardly so that the screws 12 will pass through the slots 45 into the openings 44.

Toggle braces 48 are pivotally connected to the inner faces of the end boards 6 and 7 by pins 49 and pins 50 upon the other ends of the toggle braces are adapted to engage sockets in the socket plates 51 secured to the ends of the leaf 39. When the leaf 39 is thus mounted the hinge pins 12 engage the pulling hooks 46 and the leaf is held in its horizontal position on a level with the upper face of the top board 5.

In a like manner the leaf 38 is supported by the toggle brace 52. When desired the leaf 39 may be removed by pulling the pins 50 out of their sockets and disconnecting the hinge members 40 from their hinge pins and the leaf may be replaced to form a low table by placing the hinge members 40 in the slots 13 to engage the hinge pins 14 and turning the braces 48 downwardly and inserting the pins 50 into their sockets as shown in dotted lines in Fig. 4. Of course the leaf 38 may be lowered in a similar manner. In actual practice I prefer to raise the table leaf 38 to its upper position and lower the leaf 39 to its lower position and use the space between the end boards 6 and 7 upon the bottom board 4 as a cupboard, place the oil stove upon the lower leaf 39 and use the upper leaf 38 and the top 5 as a table.

The pins 49 are centrally located between the top and bottom so that the braces 48 and 52 will reach upwardly or downwardly, as desired, and the leaves 38 and 39 are of just the right width to fold downwardly upon the hinge pins 12 with their lower edges fitting into the recesses 8 and 9, thus making a complete box.

Clasps 53 are secured to the lower faces of the bottom 4 to engage clasp members 54 upon the outer edges of the leaves 38 and 39 so as to hold the leaves folded.

The legs 21 and 22 are removed from their sockets and folded and the legs 31 and 32 are removed from their sockets and folded, and the box then turned bottom side up and the folded legs placed upon what is now the upper face of the board 4.

Screw eyes 54′ and 55 are inserted into the upper ends of the legs 22 and 31 and when the legs are placed in their folded positions, as in Fig. 1, the braces 34 and 35 are hooked into the screw eyes 54 and 55 and the truss rod 32 is hooked into said screw eyes 54 and 55.

A clamp plate 56 is secured against the lower face of the bottom 4 by a bolt and wing nut 57 and has hooks 58 and 59 to engage the folded legs, said folded legs being provided with recesses to receive the hooks, and when the parts have all been placed in position the wing nut 57 is operated to tighten the clamping plate 56 and hold all the parts tight.

A flush plate handle 60 is embedded into the upper face of the top board 5 to be used in carrying the package 1 thus produced like a suit case.

Of course the camping equipment such as cooking utensils, dishes and the like may be packed in the box.

Various changes may be made in the construction, arrangement and combination of parts without departing from the spirit of my invention, as claimed.

I claim:

1. A foldable camp kit comprising, a bottom board; a top board; end boards fitting against the ends of the bottom and top boards and rigidly secured to form a rectangular frame; leaves connected to the centers of the end boards by toggle braces; and means for removably connecting the leaves to the top and bottom boards; so that the leaves may be moved from the level of the top board to the level of the bottom board at will.

2. A foldable camp kit comprising a top board, a bottom board, end boards connecting the top and bottom boards together, there being slots at the ends of the top and bottom boards, hinge pins inserted through the end boards through the slots, table leaves having slotted hinge members adapted to engage the hinge pins, and toggle braces connected to the end boards and adapted to swing upwardly or downwardly to brace the leaves.

In testimony whereof I have signed my name to this specification.

HENRY J. DIETRICH.