

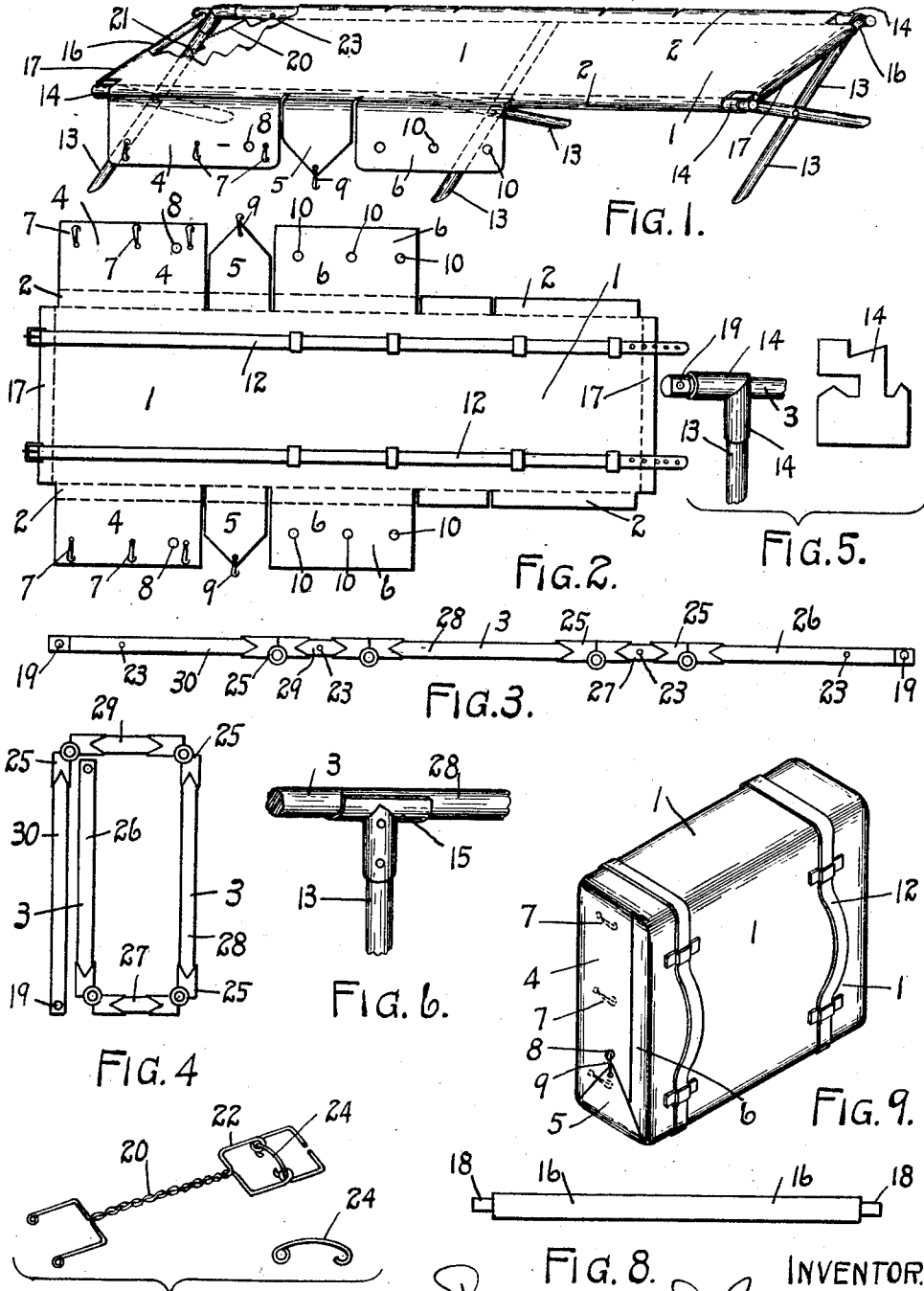
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CONVERTIBLE COT AND PACK BAG

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# UNITED STATES PATENT OFFICE.

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## CONVERTIBLE COT AND PACK BAG.

Application filed November 20, 1922. Serial No. 602,249.

*To all whom it may concern:*

Be it known that I, SAMUEL D. MARTIN, a citizen of the United States, residing at Grand Junction, in the county of Mesa and State of Colorado, have invented certain new and useful Improvements in Convertible Cots and Pack Bags, of which the following is a specification.

The object of my invention is to produce a convertible cot and pack bag which shall be simple in construction, cheap of manufacture and highly efficient in use; the cot can be quickly knocked down and converted into a pack bag, enabling the user to conveniently and readily carry the same to any desired point or destination and the pack bag can as readily be disassembled and the cot quickly and satisfactorily placed into position for the purpose intended; in this way I form an article of this class which is unique, highly useful, and possesses a marked degree of utility.

Articles of manufacture of this class are generally complicated, hard to put together, having weak connections, and they will not stand much usage. I overcome these defects and form a standard and stable article of this class.

Its various features and advantages will readily become apparent from a perusal of the following specification and claims.

In the accompanying drawing forming part of this specification:

Fig. 1, is an isometric view of the cot in position for use, partly broken away to illustrate construction,

Fig. 2, is an inverted bottom view of the canvas and connections, extended into a flat position,

Fig. 3, is a side view of one of side supporting bars with which the canvas is engaged, in extended position,

Fig. 4, is a view of the supporting bar shown in Fig. 3, but in a folded form or position,

Fig. 5, is a plan view of the blank and a finished corner fitting made therefrom,

Fig. 6, is a side view of a central supporting arm fitting, partly broken away,

Fig. 7, is an isometric view of one of the braces used in connection with the supporting bars and legs, and the disengaged hook used therewith,

Fig. 8, is a plan view of a spreader used at each end of the cut, and

Fig. 9, is an isometric view of the pack when the two parts are folded together.

In carrying out my invention in practice, I employ a supporting element or means 1, upon which the person rests. This canvas is preferably formed as shown in the drawing and along its side edges is turned over and sewed to form elongated pockets 2, through which supporting bars as 3 are slipped or shoved, and said supporting bars can readily be removed therefrom at any time.

The canvas at or toward one end, has depending side flaps, on each side, designated herein as flaps 4, 4, flaps 5, 5, and also flaps 6, 6, each flap being separated so that it is readily foldable; the flaps 4, 4, having the hooks 7 and one hole 8; the flaps 5, 5, have the hooks 9, and the flaps 6, 6, have the holes 10; the flaps 4, 4, and 6, 6, are preferably rectangular in shape and the flaps 5, 5, toward the outside, are tapered somewhat.

At the bottom of the canvas 1, I provide suitably supported straps 12, as shown.

The legs for supporting the canvas and its connections are of the ordinary X-shape type, and are marked 13. These legs are readily placed in position and readily knocked down and are preferably folded separately from the canvas, when it is desired to form the pack.

The end legs, at each extremity of the cot, fasten into L-fittings 14, and the middle legs are fastened into a T-fitting 15.

The supporting bars 3, are longer than the canvas 1, and each being slid through the elongated pockets 2, at their extended ends, they pass through the L-fittings 14, and then spreader bars as 16 are pushed through the end slip or pockets 17, at the end of the canvas, the shouldered ends 18 of said spreaders 16 passing into the holes 19 in the supporting arms 3; holding canvas 1 in a spread position.

In order to properly support the canvas and the legs and also to prevent the supporting bars 3, which are formed of hinged sections, from buckling up out of position, I use braces as 20, shown in Figs. 1 and 7; a brace being shown in position in Fig. 1; these braces are pivoted to the X-legs at point 21, as shown in said Fig. 1 and extend upwardly at an angle; their arms 22 grasping and supporting bars 3, at the point 23, and the hook 24 holding the parts in

position and alignment and keep said braces in proper holding position. One of these braces is used in connection with each leg of the X-form of leg used by me.

5 The supporting bars 3, are at intervals, joined by hinges as 25, inasmuch as said bars are made up of sections 26, 27, 28, 29, and 30.

In Fig. 3, one of the supporting bars is shown in extended opened-out form and in 10 Fig. 4 it is shown folded up or knocked down.

While I prefer to use these various elements made in the form shown, I may deviate from such form of construction and 15 still accomplish the purposes for which my invention is intended.

I will now describe the manner in which the cot is converted into a pack. In the first place, the spreaders 16 are removed and then 20 the X-legs 13 are removed and folded, the braces 20 having been loosened at points 23 from the opened arms 3 and are usually folded along with the X-legs. The canvas is then placed as shown in Fig. 2, the supporting bars 3 being, however, left in position, shown in Fig. 3; then the section 26 25 of the supporting arms 3 is brought up to a vertical position; the section 28 being also brought to a vertical position; the section 27 remaining horizontal as a base and section 29 folded horizontally across the top and the part 30 folds down vertically as the final lap, see Fig. 4, in which one of the supporting bars 3 is shown folded up into 30 position. It will be understood that the canvas folds up with the bars or supporting arms 3 as they are folded together, and the canvas is supported and manipulated as follows: The flaps 6, 6, are folded and then 40 flaps 4, 4, are folded on top of the flaps 6, 6, and the hooks, 7, 7, 7, on flap 4 engage into holes 10, 10, 10, on flap 6 and then the flaps 5, 5, are folded and hook 9 on flap 5 engages into the hole 8 in flap 4. The flaps will fold 45 as the canvas is folded and finally appear as shown in Fig. 9.

The X-legs and braces 20 may be folded together and carried separately or they may be placed in the pack as it is being formed, 50 the spreaders 16 and any other parts may be placed in the pack also just as it is about folded, if it is desired to do so.

I have shown a preferred way of convert-

ing the cot into a pack, but may deviate therefrom to some extent, if found practicable and desirable. 55

It will readily be understood how to open up the pack and form the cot, from the description above set forth.

What I claim as new and my invention 60 and desire to secure by Letters Patent is:

1. In combination, a sheet provided at opposite side edges with spaced flaps arranged to form the ends of a pack when the sheet 65 is folded, side rails connected to said sheet and formed of hinged sections, foldable with the sheet to form said pack, and supporting legs detachably connected to said side rails, for holding the sheet and side rails in elevated position. 70

2. In combination, a sheet provided at its opposite side edges with sleeves, two pairs of flaps of substantially the same size projecting outwardly from the side edge portions of the sheet and provided with fastening elements, said pairs of flaps being 75 spaced apart, smaller flaps extending outwardly from the sheet and arranged between said pairs of flaps, said smaller flaps also having fastening elements engageable with fastening elements of one pair of said flaps, side rails extending through said sleeves and having hinged sections to permit the rails to be folded with the sheet and flaps, and supporting legs engageable with 80 said rails for holding the sheet and rails in elevated position. 85

3. A combined cot and pack bag, including a sheet of rectangular form and provided with two pairs of outwardly extending 90 relatively large flaps and a pair of smaller flaps arranged between the large flaps, fastening elements associated with all of said flaps to permit inter-connection of the flaps when the sheet is folded, side rails 95 secured to the sheet and formed of hinged sections to permit the rails to be folded with the sheet to form a pack, and pivotally connected crossed legs having sockets at their upper ends engaging said side rails to hold 100 the sheet and rails in elevated position.

In testimony whereof, I affix my signature at Cincinnati, Ohio, this 14th day of November, 1922.

SAMUEL D. MARTIN