Jan. 26, 1960 E. A. I. JOHANSSON ET AL 2,922,465

CONVERTIBLE KNAPSACK CARRIERS

Filed Oct. 3, 1956 2 Sheets-Sheet 1

Fig. 1

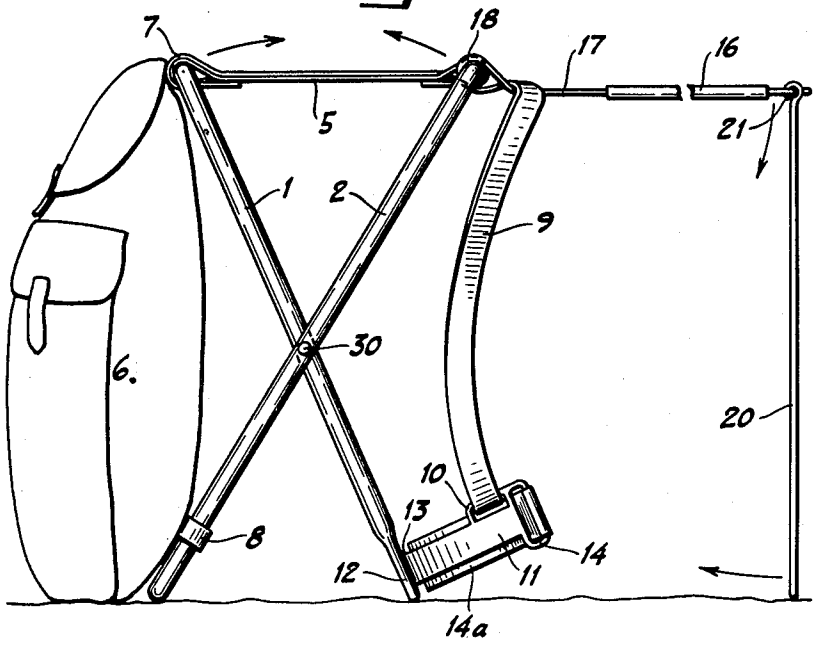
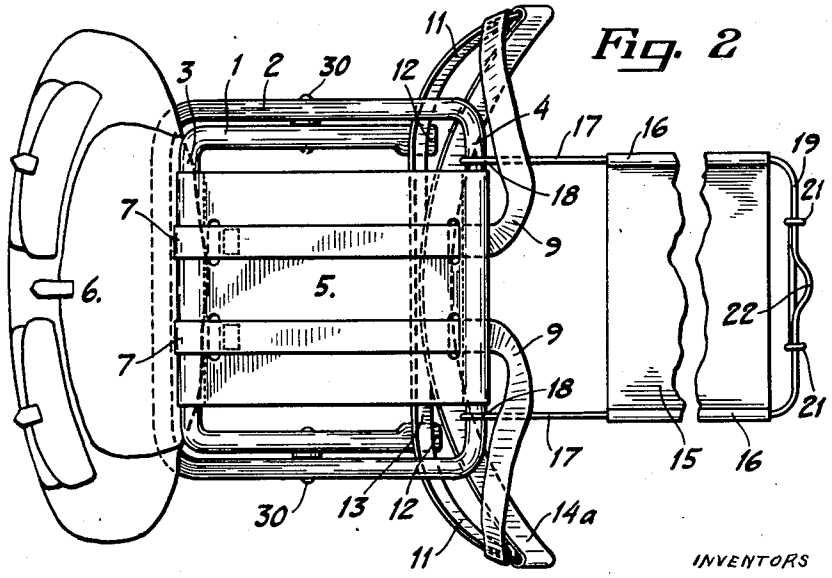


Fig. 2



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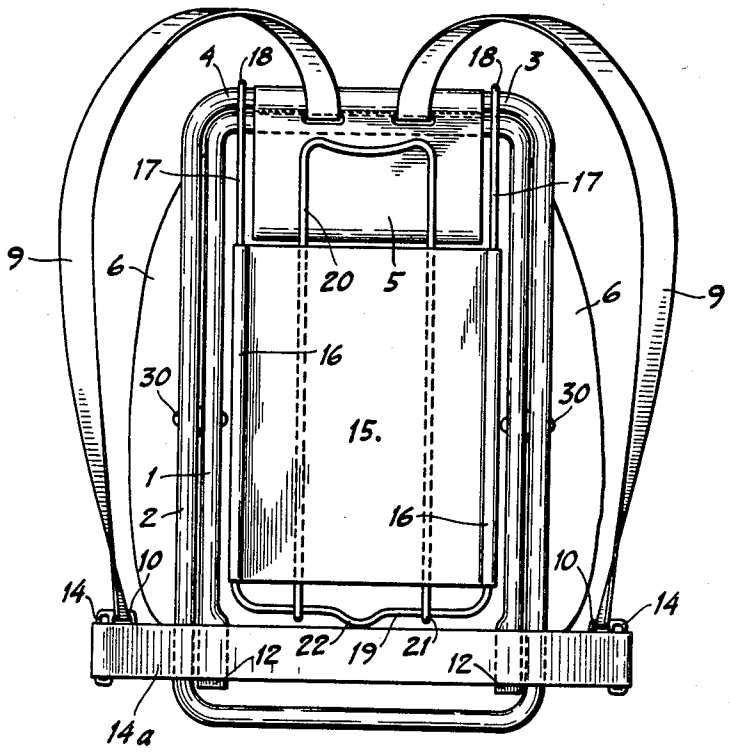
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Fig. 3



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CONVERTIBLE KNAPSACK CARRIERS

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1 Claim. (Cl. 155—123)

This invention generally relates to knapsack carriers.

The object of the invention is to provide a knapsack carrier which is convertible into a camp stool.

The knapsack carrier according to the invention is composed of two preferably bracket shaped parts which are pivotally interconnected so as to be foldable from a collapsed position in which the planes of the carrier parts substantially coincide, into an extended position in which the planes of the carrier parts intersect, the carrier parts having attached thereto a seat member forming with said carrier parts a camp or folding seat.

According to a preferred embodiment of the invention, one of the carrier portions has hinged thereto adjacent the seat member one end of a preferably rectangular plate which is foldable from a position of non-use in which it extends along the plane of the carrier parts in their collapsed position, into a position of use at right-angles thereto, said plate having hinged to it adjacent its opposite end a supporting member adapted to support said plate in its position of being so extended in which the plate forms a table top adjacent the camp stool when the latter is in its extended position.

The table top may comprise a plate of sheet-metal or the like adapted to be carried by the legs of a U-shaped bracket the extreme ends of the legs of which are hinged to one of the two carrier parts.

According to a further development of the invention, the ground-support comprises a substantially U-shaped bracket the extreme ends of the legs of which are hinged to the intervening portion of the bracket carrying said plate whereby the supporting bracket is foldable into a collapsed position close to the plate forming the table top.

Where one of the knapsack carrier parts is provided with a conventional hip supporting yoke it is possible, according to a preferable embodiment of the invention, to provide the intervening portion of the plate-carrying bracket with a projection or bulge which is adapted in the collapsed position of the carrier parts and when the plate-carrying bracket is folded down against said parts, to be snapped into engagement with said hip supporting yoke whereby the plate-carrying bracket is releasably retained in its position of being thus folded down.

One specific embodiment of the invention will now be described by way of example in conjunction with the accompanying drawings, in which:

Figure 1 is a side elevational view of a knapsack carrier converted into a camp stool and table and constructed in accordance with the invention, the stool and table being shown in its position of use.

Figure 2 is a top plan view corresponding to Figure 1.

Figure 3 is a rear view of the carrier with the stool and table in their collapsed position.

Referring to the drawings more specifically, the knapsack carrier illustrated therein consists of two parts 1 and 2 bent from metallic tubular material and one of which, 2, has the shape of a closed bracket or frame member while the other, 1, is bent to the form of a

U-shaped bracket of a width slightly less than the internal with of the bracket or frame 2, said two brackets being foldably interconnected by aligned pivots 30 so as to enable the brackets to be folded from a collapsed position in a common plane (Figure 3) into an extended position shown in Figures 1 and 2 in which the planes of the two brackets intersect at the pivot axis. Attached to the upper intervening portions 3 and 4, respectively, of the two brackets is a rectangular sheet of leather or fabric which is adapted in the last-mentioned position of the brackets 1 and 2 to form a seat when the knapsack carrier is placed on the ground. The knapsack 6 is attached at its upper end by means of straps 7 or the like to the upper portion 3 of the bracket 1, and is attached at its bottom end by means of straps 8 or the like to the lateral portions or legs of the bracket 2 near the lower ends of these lateral portions or legs. Extending from the first-mentioned straps 7 are two shoulder straps 9 which are passed above the seat 5 and, in the vicinity of the top portion 4 of the bracket 2, through openings in said seat, the ends of said shoulder straps are attached to fastening loops 10 arranged at the ends 11 of a hip supporting yoke 13 interconnecting the extreme or lower ends 12 of the legs of the bracket 1. Attached to further fastening loops 14 arranged at the ends 11 of the hip supporting yoke 13 are the ends of a hip supporting belt 14a. In the collapsed position of the brackets or frames 1, 2 the latter form a carrier for the knapsack 6, whereas in their extended position they will form together with the seat member 5 a camp or folding stool when the knapsack is placed upended on the ground surface.

Combined with the knapsack carrier is a table comprising a rectangular plate 15 being bent over at two opposite marginal portions 16 to engage around the legs 17 of a U-shaped bracket, the extreme end portions 18 of said legs being bent around the top base portion 4 of the bracket or frame 2 whereby the bracket 17 carrying said plate 15 is foldable from its position of non-use close to the collapsed brackets 1, 2, as shown in Figure 3, into its position of use illustrated in Figures 1 and 2. Hinged to the base portion 19 of the U-shaped bracket 17 carrying the plate 15 is a U-shaped supporting bracket 20 the extreme end portions 21 of the legs of which bracket are bent around the bracket portion 19, the supporting bracket or ground-support 20 being thus foldable from its vertical supporting position shown in Figure 1 and inwardly into a position close to the plate 15. The base portion 19 of the bracket 17 carrying the plate or table top 15 is formed with a bulge or protuberance 22 which is adapted, as the bracket 17 is folded against the collapsed carrier brackets 1, 2 after the supporting bracket 20 has been folded upwardly against the plate 15, to snap over the upper edge of the hip supporting yoke 13 whereby the brackets 17 and 20 will be releasably retained in their position of being folded down against the collapsed carrier brackets 1, 2.

From its collapsed position illustrated in Figure 3, the knapsack carrier can be converted by a few simple manual motions into the position illustrated in Figures 1 and 2 offering not only a seat but also a table for provisions brought on the excursion.

It is understood, that the invention is not restricted to the embodiment described hereinbefore and as illustrated in the accompanying drawing which is susceptible of various modifications as regards its component parts without departing from the scope of the invention.

What we claim is:

A knapsack carrier comprising a pair of members each having a pair of side portions and at least one end portion connecting said side portions, said members being pivotally interconnected at their side portions for being pivoted from a collapsed position in which the planes

of said members substantially coincide, into an extended position in which the planes of said members intersect, a flexible seat connected to said end portions of said members limiting the pivoting of said members to an extended seat forming position, a knapsack connected to an end portion of one of said members adjacent said seat and connected to the other of said members at the extremities of the side portions thereof removed from its seat connected end portion, said seat having openings therethrough adjacent its connection to the other of said members, a plurality of shoulder straps connected to opposite ends of said one of said members and extending through said seat openings for drawing said members to their collapsed position when said carrier is picked up by said straps.

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