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CANOPY SUPPORT FOR COTS

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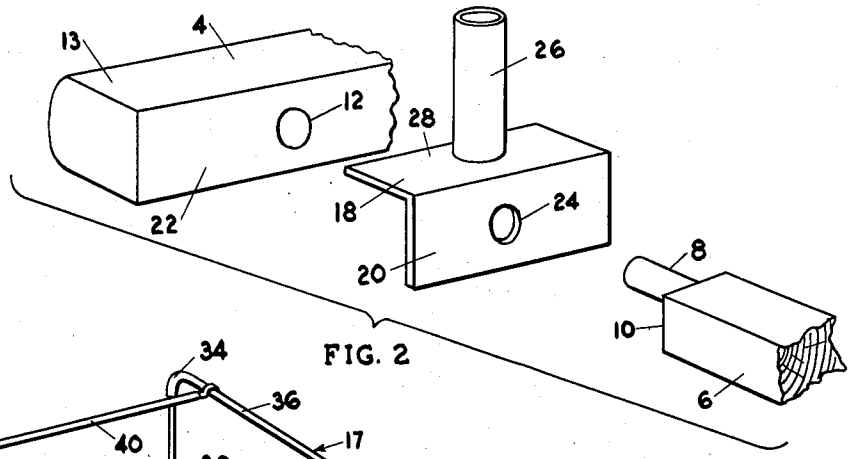


FIG. 2

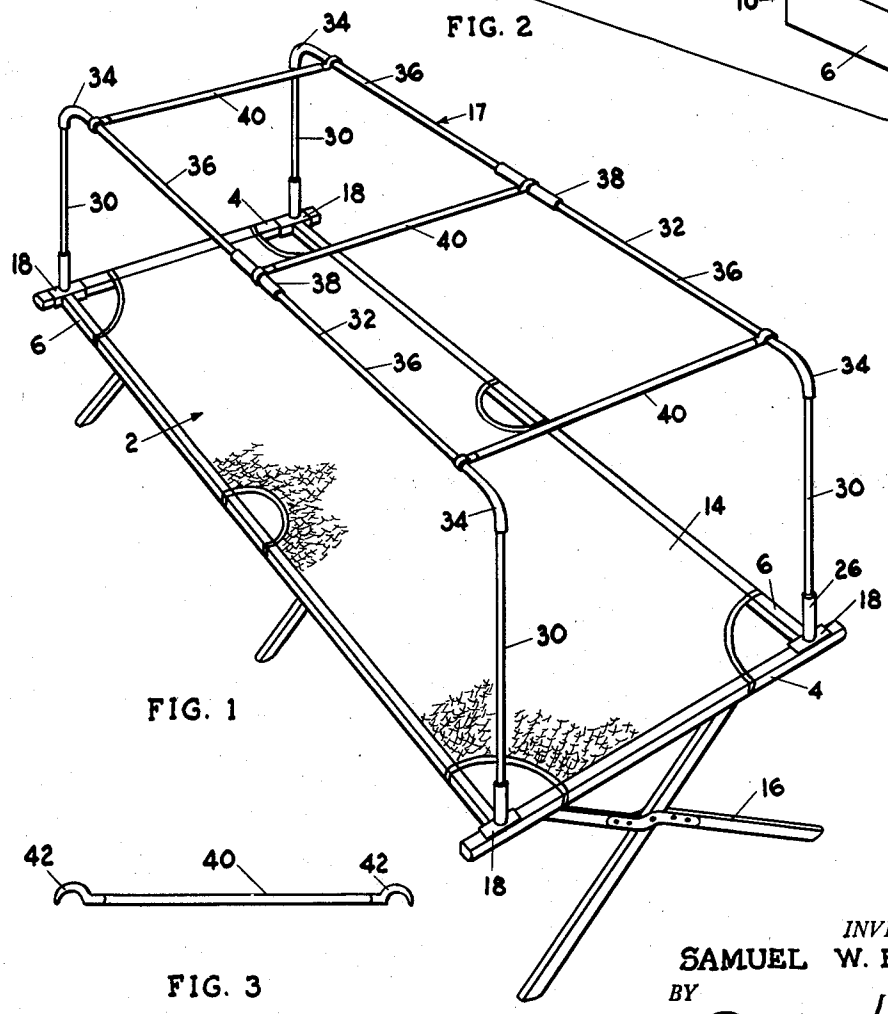


FIG. 1

FIG. 3

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CANOPY SUPPORT FOR COTS

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2 Claims. (Cl. 135—5.1)

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This invention relates to improvements in mosquito netting or tent supporting structures for use with a camper's cot.

As it is well known, a mosquito net placed directly over a sleeping camper offers very little if any protection against mosquitos and other annoying insects, bugs and the like. One of the most common instrumentalities utilized by campers for protection against insects, as well as inclement weather, is a suitable tent which must be erected at the camp site. As it is well known, the erection of a tent usually is an involved operation and consumes a large portion of the camper's time, as well as being very annoying. Furthermore, the usual tent is bulky and adds to the annoyance.

The present invention contemplates a novel supporting structure for supporting a mosquito netting or tent over a camper's cot. The structure comprises brackets which may be removably attached to the end rails of a conventional army type or the like cot. The brackets support a pair of longitudinal members extending the length of the cot above the canvas portion of the cot. The longitudinal members are made in sections in order that when the structure is broken down, the various members will be essentially the same or less length as the folded cot to facilitate the storing and transportation thereof. Conventional army type cots are usually folded to an overall length not more than the length of the end rails thereof. Suitable cross members interconnect the longitudinal members to provide adequate support for a mosquito net or tent.

An important object of this invention is to provide a netting support frame for a foldable army type cot that may be easily and conveniently set up and dismantled.

Another object of this invention is to provide a light weight support frame which may be packed into a small package when dismantled.

A further object of this invention is to provide a practical support frame for efficiently supporting a netting or the like over an army type cot.

A still further object of this invention is to provide a simple support frame having a long service life which may be economically manufactured.

Other objects and advantages of the invention will be evident from the following detailed description, read in conjunction with the accompanying drawings, which illustrate my invention.

In the drawings:

Figure 1 is a perspective view of an army type cot having the novel support frame mounted thereon.

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Figure 2 is an exploded perspective view illustrating the assembly of the brackets on the cot.

Figure 3 is a transverse elevational view of one of the cross bars of the support frame.

Referring to the drawings in detail, reference character 2 designates an army type cot having end rails 4 and side rails 6. As clearly shown in Fig. 2, the extreme outer end portion 8 of each side rail 6 is reduced in size to provide a shoulder 10. The side rails 6 and end rails 4 are interconnected by inserting the ends 8 of the side rails 6 into complementary apertures 12 provided in the opposite end portions 13 of the end rails 4. A suitable canvas cover 14 (Fig. 1) is provided on the cot 2 in the usual manner, and retains the end rails 4 in assembly on the side rails 6 with the shoulders 10 in contact with the end rails 4. The cot 2 is supported by suitable cross legs 16 in the usual manner.

A novel netting support frame indicated generally at 17 is provided on the cot and comprises angle shaped brackets 18 for disposal on each end portion 13 of each end rail 4. The downwardly extending flange 20 (see Fig. 2) of each bracket 18 is disposed adjacent the inner face 22 of the respective end rail 4 and is provided with an aperture 24 adapted to be placed in alignment with the respective aperture 12. It will be readily seen that when the brackets 18 are assembled on the end rails 4, the ends 8 of the side rails 6 are disposed in the apertures 24 and the shoulders 10 contact the flanges 20 to retain the brackets 18 on the end rails 4.

A vertically disposed stud 26 is secured to the horizontal flange 28 of each bracket 18. A tubular support leg 30 is telescoped in each stud 26 and rests on the top flange 28 of the respective bracket 18. It will be readily appreciated that the stud 26 may be of extended length to replace the support leg 30 if desired.

A pair of longitudinally disposed support members 32 are provided above the cot 2 and have their opposite ends 34 bent downwardly to telescopically receive the upper ends of the support legs 30. Each support member 32 is preferably made in two or more sections 36 to facilitate transportation thereof with the cot 2. When each member 32 is provided in two sections 36, the sections 36 will be essentially the same length as the cot 2 when folded for transportation. The sections 36 of each member 32 may be interconnected by suitable slip joint type fasteners 38.

A plurality of cross braces 40 (Fig. 3) are provided between the support members 32. Hook type fasteners 42 are provided on the opposite

ends of the cross bars **40** to fasten the cross bars **40** to the support members **32**.

When the support frame **17** has been assembled as shown in Fig. 1, a mosquito net (not shown) or a suitable tent covering (not shown) may be placed on the frame and secured thereto by any suitable means (not shown). The support legs **30** may be made any desired length to obtain the desired height for the frame **17**. It will be noted that each element of the frame **17** is interconnected with a simple fastener to facilitate the assembly and disassembly of the frame.

From the foregoing it is apparent that the present invention provides a novel netting support frame for an army type cot that may be easily assembled and disassembled. The support frame may be disassembled into lengths equal to or less than the length of a cot when folded to facilitate the storing and transportation of the frame with the cot. It is also apparent that the present invention provides a practical support frame having a long service life and which may be economically manufactured.

Changes may be made in the combination and arrangement of parts as heretofore set forth in the specification and shown in the drawings, it being understood that any modification in the precise embodiment of the invention may be made within the scope of the following claims without departing from the spirit of the invention.

I claim:

1. In a netting support frame for a foldable cot having end rails and side rails, comprising angle brackets for disposal on each end of the end rails, an aperture in each bracket to receive the end of the respective side rail for securing the bracket on the respective end rail, an upstanding support leg secured to each bracket and extending above the cot, a pair of longitudinally

disposed support members having opposite ends thereof curved downwardly and telescopically connected to the respective support leg, each of said support member being provided in sections smaller in length than the end rails, slip joint fasteners for removably interconnecting the sections of each support member, and a plurality of cross bars removably secured to the support members.

2. In a netting support frame for a foldable cot having end rails and side rails, comprising angle brackets for disposal on each end of the end rails, an aperture in each bracket to receive the end of the respective side rail for securing the bracket on the respective end rail, an upstanding tubular stud secured to each bracket and extending above the cot, a support leg telescoped into each stud and extending upwardly therefrom, a pair of longitudinally disposed support members, having their opposite ends bent and telescopically connected to the respective support leg, each of said support members being provided in sections smaller in length than the end rails, slip joint fasteners for removably interconnecting the sections of each support member, a plurality of cross bars extending between the support members, and hook type connectors on the opposite ends of the cross bars for removably securing the cross bars to the support members.

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