United States Patent [19]

Hendry

[11] **3,751,741**

[45] **Aug. 14, 1973**

[54] **SLEEPING BAG**

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[52] **U.S. Cl.** ..... **5/343,** 5/121, 135/1 R

[51] **Int. Cl.** **A47g 9/00,** A45f 3/22

[58] **Field of Search** ..... 5/121, 128, 343, 5/319; 135/1 R, 3 R, DIG. 6

[56] **References Cited**

UNITED STATES PATENTS

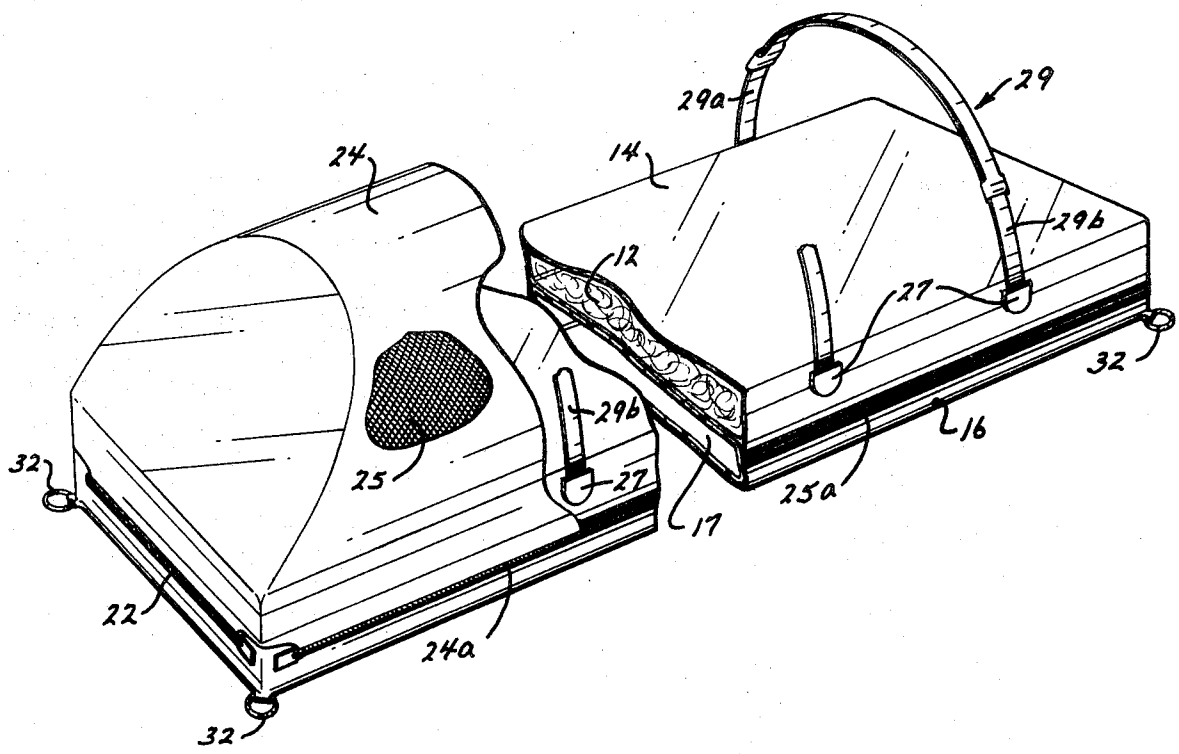
2,284,900	6/1942	Henderson et al.	5/343 X
2,398,731	4/1946	Voss	5/319
2,830,305	4/1958	Freepons	5/343
2,368,220	1/1945	Hinds	5/343

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[57] **ABSTRACT**

A sleeping bag characterized by an arrangement of components which provide compactness in a transporting condition and ease in use, typically including a kapok filled layer supported by an inflatable air mattress, a self-contained mosquito netting and protective cover, and a collapsible framework.

8 Claims, 5 Drawing Figures



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SHEET 1 OF 2

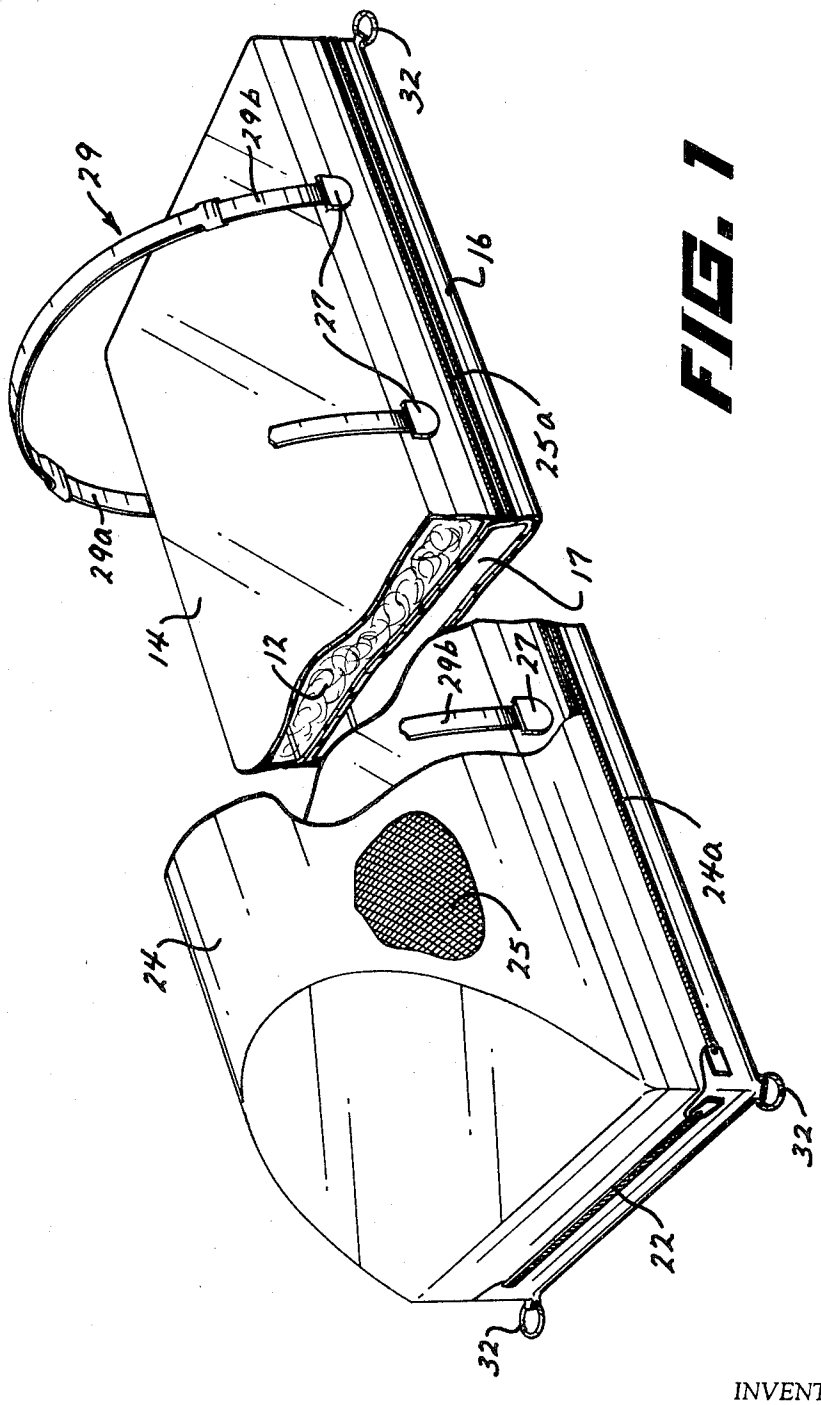


FIG. 1

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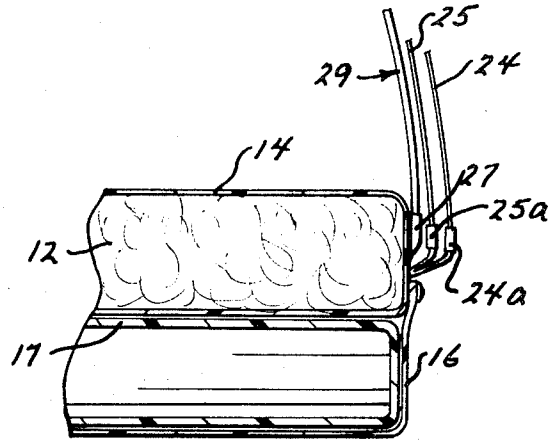


FIG. 2

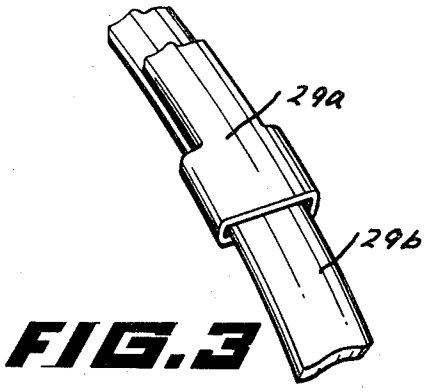


FIG. 3

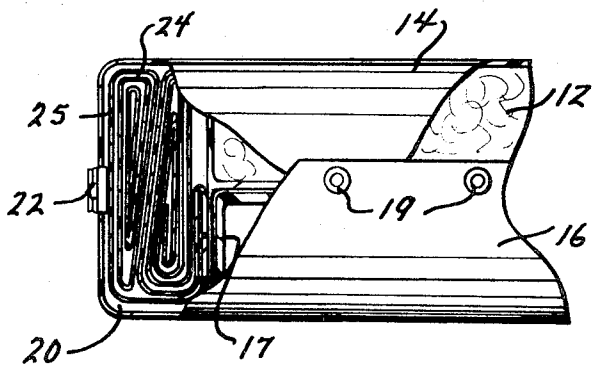


FIG. 4

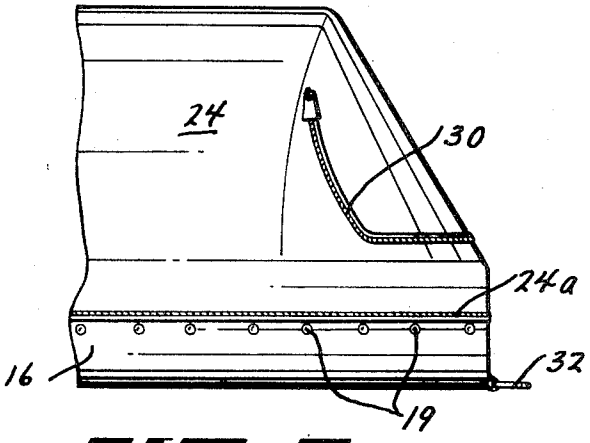


FIG. 5

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SLEEPING BAG

As is known, it is desirable to have a sleeping bag which is compact in a transporting position and which is readily erected for use. Previous approaches to sleeping bags were heavy and/or cumbersome, failing to provide self-contained features for safety, comfort and ease in erection.

The invention satisfies all of the aforesaid requirements. Briefly, the present sleeping bag is readily rolled for transporting, being light in weight and easy to handle, and, subsequently, is readily erected for use. The sleeping bag includes a stowage compartment for mosquito netting and a protective covering, each being self-contained and secured at a portion thereof to the sleeping bag. Collapsible framework members are provided over which the aforesaid mosquito netting and protective covering are disposed. Slide fastener means on the mosquito netting and on the protective covering effectively mesh with corresponding structure disposed on the sleeping bag. A cushioning layer is provided over an inflatable air mattress, the latter being readily replaced in the event of wear or damage. Assembly of the sleeping bag of the invention is easily accomplished through simple action.

A better understanding of the invention will become more apparent from the following description, taken in conjunction with the accompanying drawings, wherein

FIG. 1 is a perspective view, partly fragmentary and partly in section, showing the sleeping bag of the invention;

FIG. 2 is a view in vertical section, also partly fragmentary, showing certain details of the invention;

FIG. 3 is a fragmentary perspective view of a portion of the collapsible framework feature;

FIG. 4 is a view in side elevation, partly fragmentary and partly in vertical section, showing details of the stowage compartment of the present sleeping bag, where certain overall fastening details are omitted for drawing clarity; and,

FIG. 5 is a fragmentary view in side elevation showing the access end of the sleeping bag after assembly for use.

For the purposes of promoting an understanding of the principles of the invention, reference will now be made to the embodiment illustrated in the drawings and specific language will be used to describe the same. It will nevertheless be understood that no limitation of the scope of the invention is thereby intended, such alterations and further modifications in the illustrated device, and such further applications of the principles of the invention as illustrated therein being contemplated as would normally occur to one skilled in the art to which the invention relates.

Referring now to the figures, the sleeping bag of the invention comprises a layer **12** of cushioning material, the latter typically being kapok or the like, encased within a waterproof covering **14**. Covering **14** has another waterproof lower covering **16** secured thereto, as by stitching, along the lower portion of one side wall thereof. As particularly evident from FIGS. **1** and **2**, the lower covering **16** is adapted to receive an inflatable air mattress **17**, where the free end of the lower covering **16** is secured to the opposite side wall of covering **14** through the means of snap fasteners **19** (see FIGS. **4** and **5**).

When the air mattress **17** is initially positioned within the lower covering **16**, the lower covering **16** assumes

a loose condition. When the air mattress **17** is inflated, however, the lower covering **16** assumes the condition of FIG. **2**. The snap fasteners **19** provide for the ready removal of the air mattress **17** in the event of damage, as by puncturing, or the like. Conventional means (not shown) are provided for inflating the air mattress **17**.

One end of the covering **14**, as well as the lower covering **16**, is extended to provide a stowage compartment **20**, where the access to such stowage compartment **20** is typically provided through slide fastener **22**. The stowage compartment **20** receives an outer covering **24**, as well as mosquito netting **25**, where one end of each is secured, as by stitching, to a portion inside of the stowage compartment **20**. In other words, the outer covering **24** and the mosquito netting **25** may be folded and/or stored within the stowage compartment **20** to provide a self-contained arrangement (see FIG. **4**).

A slide fastener assembly **24***a* and a slide fastener assembly **25***a* extend around the sleeping bag, beginning at a corner thereof proximate to the aforesaid stowage compartment **20**. As should be evident from FIG. **2**, the slide fastener assemblies **24***a* and **25***a* are secured to the vertical walls defining the sides and the access end of the covering **14**. In this connection, it should be understood that the side edges and the front end edges of the outer covering **24** and the mosquito netting **25** contain slide fastener teeth, so that slide fastening can be readily achieved with slide fastener assemblies **24***a* and **25***a*.

In order to accomplish the erection of the sleeping bag for use, a series of pockets **27** are provided along the side walls of the covering **14**. The aforesaid pockets **27** receive the ends of telescopic framework members **29**, the latter being defined by sections **29***a* and **29***b*. The framework members **29** are made from a resilient material and are arced to assume the positioning evident in FIG. **1** and in the detail of FIG. **3**. The framework members **29** are readily flexed for use and are easily carried, in a rolled condition, when the sleeping bag is being transported.

With reference to FIG. **5**, the end of the sleeping bag opposite the stowage compartment **20** is the access opening, where a slide fastener **30** is provided for ready entry. While not shown, the outer covering **24** and the mosquito netting **25** also include slide fastening means proximate the slide fastener **30** to permit access. The sleeping bag further includes ring-like members **32** for purposes of staking. Additionally, and while not shown, the outer covering **24** may include flap portions to provide ventilation.

As should be evident from the preceding, the sleeping bag of the invention is readily assembled for use. In this connection, the sleeping bag is unrolled from a normally rolled transporting condition and the air mattress **17** inflated. Thereafter, the framework members **29** are flexed and the ends thereof positioned within pockets **27**. The outer covering **24** and the mosquito netting **25** are removed from the stowage compartment **20** and placed over the framework members **29**, where positioning is retained through the use of slide fastener assemblies **24***a* and **25***a*. As stated, entry into the sleeping bag is accomplished through slide fastener **30**.

The sleeping bag is susceptible to various changes within the spirit of the invention. For example, proportioning can be changed and other approaches utilized for the selective positioning of the framework mem-

bers. Aside from ease in erection, another important feature of the invention is its capability of ready rolling for transporting, being compact, light in weight, and easy to handle. Thus, the preceding description should be considered illustrative, and not as limiting the scope of the following claims:

I claim:

1. A sleeping bag comprising a lower inflatable portion, an upper cushioning portion disposed on said lower inflatable portion, framework members extending over said upper cushioning portion to define a sleeping space, and a stowage compartment at an end of said sleeping space, said stowage compartment receiving a folded covering member selectively overlying said framework members.

2. The sleeping bag of claim 1 where each of said framework members is flexible and defined by portions movable with respect to each other.

3. The sleeping bag of claim 2 where securing means on said upper cushioning portion engage opposite ends of said framework member.

4. The sleeping bag of claim 3 where said securing means are pockets.

5. The sleeping bag of claim 1 where a netting member is disposed within said stowage compartment for selective withdrawal.

6. The sleeping bag of claim 5 where said covering member and said netting member each have a portion secured within said stowage compartment.

7. The sleeping bag of claim 1 where the end of said sleeping space opposite from said stowage compartment includes an access opening.

8. The sleeping bag of claim 1 where said lower inflatable portion and said upper cushioning portion are unrolled from a rolled transporting position.

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