Jan. 30, 1945. S. R. HINDS 2,368,220

SLEEPING BAG

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Fig. 1

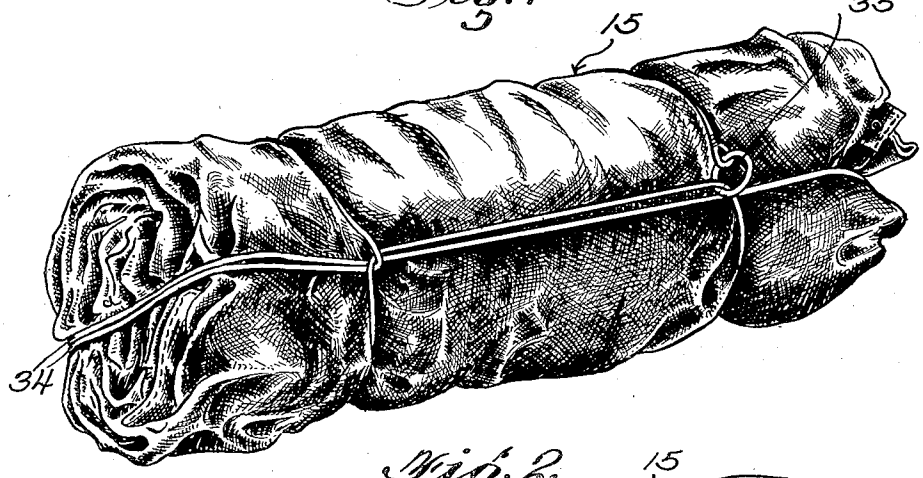


Fig. 2

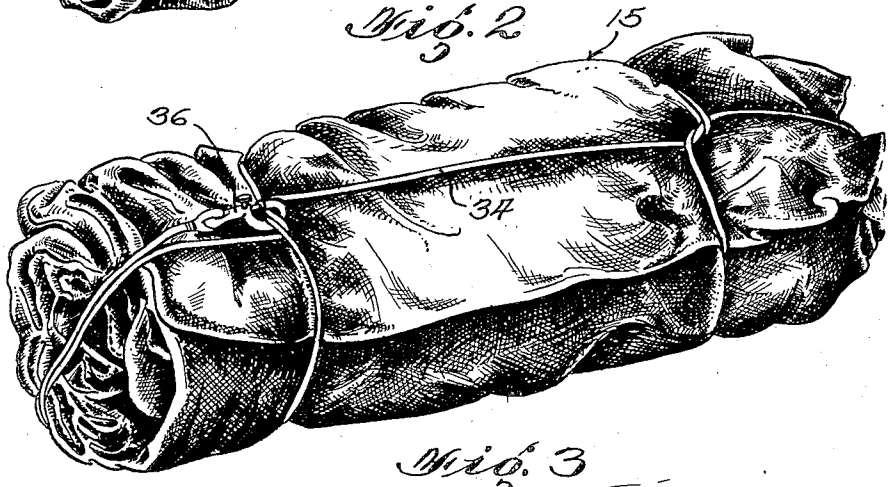
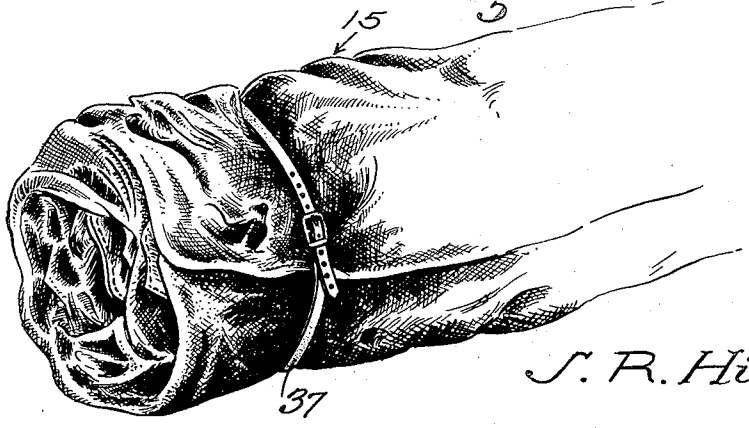


Fig. 3



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Fig. 4

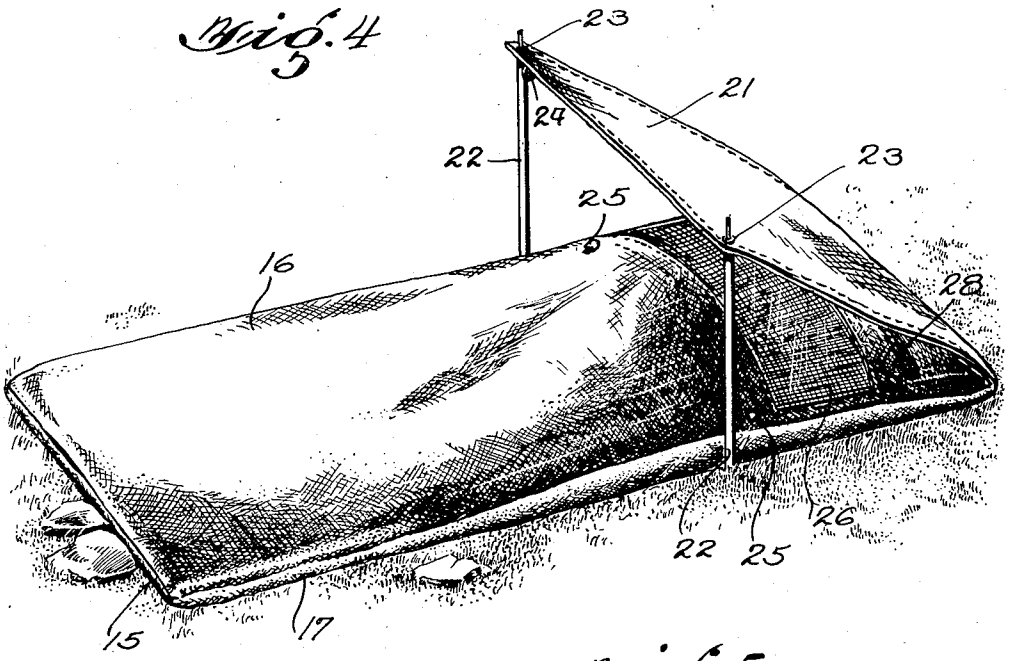


Fig. 5

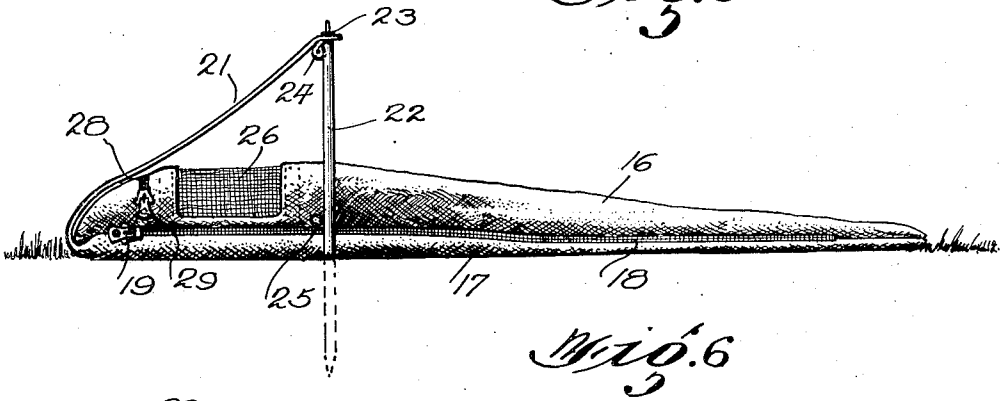
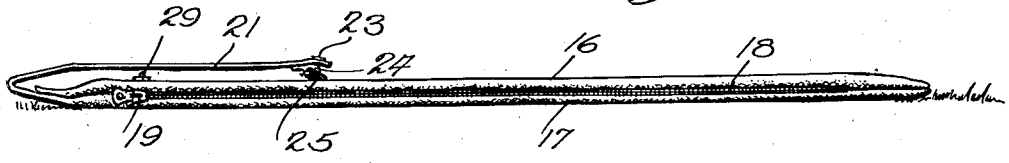


Fig. 6



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Fig. 7

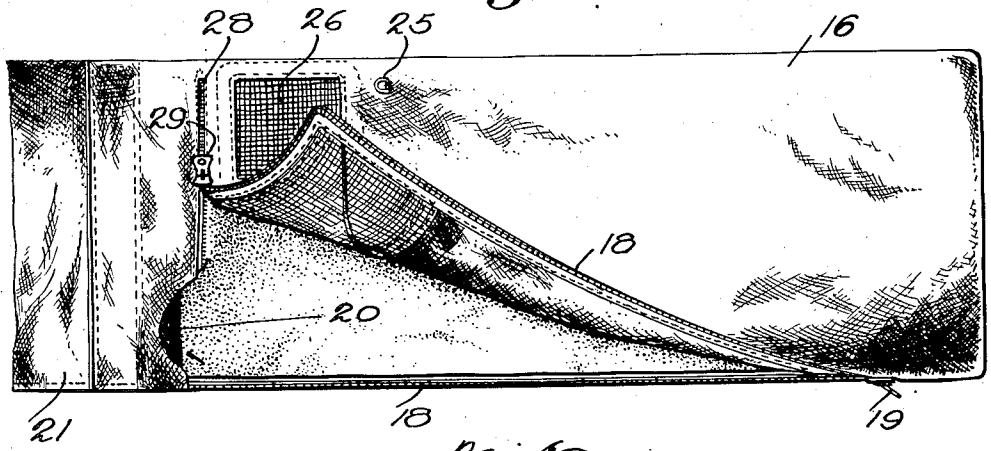


Fig. 8

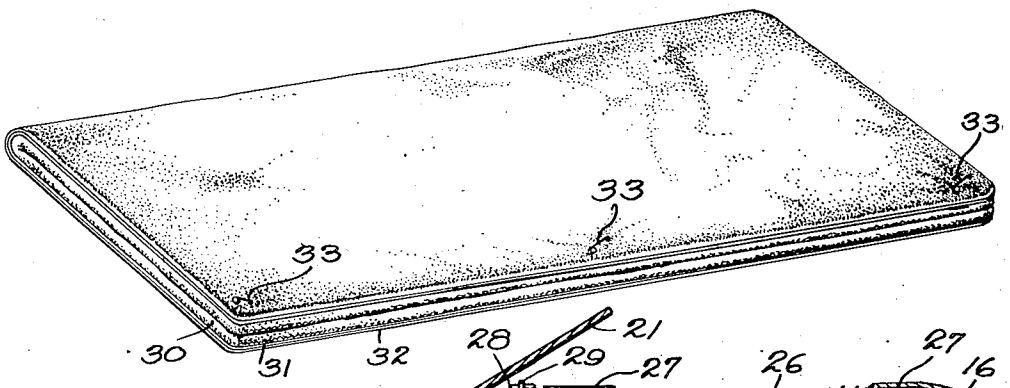
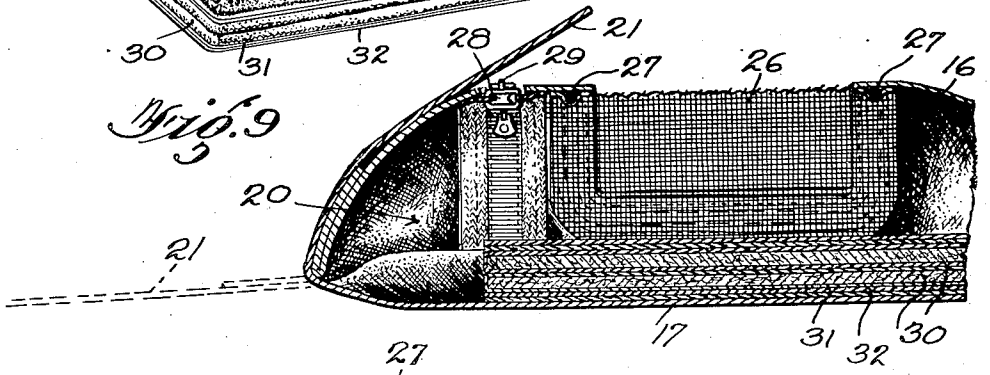


Fig. 9



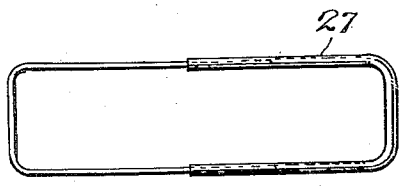


Fig. 10

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2,368,220

UNITED STATES PATENT OFFICE

2,368,220

SLEEPING BAG

Sidney R. Hinds, United States Army

Application September 6, 1941, Serial No. 409,772

2 Claims. (Cl. 5—343)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The invention described herein, if patented, may be manufactured and used by or for the Government for governmental purposes without the payment of any royalty thereon.

This invention relates to sleeping bags, more particularly to the provision of a novel sleeping bag especially adapted for outdoor sleeping by soldiers, campers and others.

The object of this invention is to provide a sleeping bag which is light in weight, simple in construction, compact, and especially adapted for use by the Army.

Another object is to provide a sleeping bag that contains a separate compartment for clothing and yet when rolled for transporting will provide a secure, neat and compact roll.

A further object of this invention is to provide a sleeping bag which will be comfortable, since by means of a storm curtain and netting the occupant is fully protected from insects, reptiles and bad weather.

These and other objects are attained by the novel construction hereinafter described in the following specification described in the accompanying drawings, forming a part hereof and in which:

Fig. 1 is a perspective view of the device showing the retaining means whereby the bag is held for transportation.

Fig. 2 is a perspective view similar to Fig. 1 showing the latching means.

Fig. 3 is a modified form of retaining means.

Fig. 4 is a perspective view of the bag in use.

Fig. 5 is a side elevation of the same.

Fig. 6 is a side view of the bag collapsed, ready to be rolled.

Fig. 7 is a top plan view of the bag in open position.

Fig. 8 is a perspective view of the blankets and comforter folded in position to enter the bag.

Fig. 9 is an enlarged vertical section through the upper end of the bag.

Fig. 10 is a plan view of the frame.

Referring to the drawings, the numeral 15 designates the sleeping bag, which consists of two lengths of waterproof cloth 16 and 17 which are fastened together at one side and bottom in the conventional manner. In order to provide an opening in the bag by which the camper may enter, the two lengths of cloth are joined by a zipper fastener 18 which is opened or closed by the conventional pull slide 19.

Both lengths of cloth are left open at the top, the upper length 16 being folded over to provide a compartment 20 for clothing and the lower length 17 continuing over the top of the bag to form a storm curtain 21. The storm curtain 21 is supported by two posts 22, which are embedded at the lower end in the ground and at the upper end are adapted to enter grommets 23 in the storm curtain 21. Snap fasteners 24 are provided on the lower side of the storm curtain 21 and are adapted to snap into eyes 25, thus retaining the storm curtain in a closed position over the clothing compartment when the bag is rolled for transporting.

To provide free circulation of air and to provide means for protecting the camper from insects, reptiles and the like, a piece of mosquito netting or the like 26 is provided in the upper cloth 16. To prevent the netting 26 from contacting the face of the camper, there is provided a bowed frame 27 which is threaded through loops on the underside of the cover 16 as shown in Fig. 9. The bowed frame 27 is telescopic so that it can be collapsed when the bag is ready to be rolled. In order that entrance may be had to the compartment 20, from the exterior of the bag, the free or unsecured end of the upper section 16 is provided with a transverse opening position between the storage compartment and the netting. A zipper closure 28 having the usual slide 29 is provided adjacent to the netting 26. The closure 28 is adapted to open or close the transverse opening, so that the sleeping bag can be completely closed over the individual.

The bedding used in the bag may consist of a comforter 30 and two blankets 31 and 32. Safety pins 33 are provided to hold the three pieces of bedding in a compact unit.

When the bag is rolled it can be held in position by a retaining rope 34 having a ring 35 at one end thereof and a snap fastener 36 at the other end thereof as shown in Figs. 1 and 2 or a strap 37 can be used as shown in Fig. 3.

When an individual desires to use the bag it is placed on the ground with the netting and storm flap on top, the snaps on the storm curtain are unfastened and the flap is extended, both zipper slides are opened and the bag is then ready to receive the bedding to be used.

The bedding is placed on top of the bag with the lower right-hand corners thereof even with the lower right hand corner of the bag (if it is the desire of the individual concerned he may use an air mattress or the like and this should be placed inside the bag before the bedding is inserted), with the bedding in place all thicknesses of the bedding are folded together across

the shorter dimension to the right without moving the bedding from place on the bag.

For example, if the individual is using two blankets and a comforter, there are six thicknesses of bedding; if the temperature is around zero and the individual wants to sleep in the middle of the bag with three thicknesses on top and three underneath, a safety pin is placed through the upper three thicknesses and another similar pin is placed through the lower three thicknesses. Therefore, when the individual desires to enter the bag the three upper thicknesses of bedding open as a unit. If the weather is warmer four thicknesses can be used on the bottom and two on top and in the same manner five can be used on the bottom and one on the top.

To insert the bedding into the bag the bedding is rolled up from the foot until it clears the lower end of the side zipper and the bedding is then unrolled into the foot of the sleeping bag and is now ready for use.

The individual is then able to slide into the sleeping bag between the thicknesses of bedding selected and if the weather is cold or the insects are annoying, both zippers can be closed. If the weather is rainy the storm curtain is pulled over the mosquito netting and placed in position over the rods embedded in the ground, alongside of the sleeping bag.

In the morning both zippers are closed after removing the supporting frame, the storm curtain is pulled over and snapped into place, the bag can then be rolled from head to foot and secured in a position by any retaining means that are provided.

From the above description it will be seen that there has been provided a simple and effective sleeping bag which is low in cost, adapted for use with ordinary bedding, stormproof, insect and reptile proof and by easy adjustment of the bedding is adapted for use in varying temperatures.

The foregoing description is to be regarded as descriptive only and not limited to the invention, of which obviously embodiments may be constructed without departing from the spirit and scope of the appended claims.

Having thus described the invention, what is claimed as new and desired to secure by Letters Patent is:

1. A sleeping bag comprising a lower and upper water-proof covering, said water-proof covering being permanently secured together along one end and one side, interlocking fastening means to secure or open the water-proof covering along one side, an extension of one end of the lower water-proof covering forming a storm curtain, means to support said storm curtain, openings positioned in the ends of said storm curtain to receive reduced portions of said supporting means, an end continuing portion of the upper water-proof covering forming a compartment for a storage of clothing, said upper water-proof covering having loops on the under side thereof near one end, said loops being adapted to receive a telescopic bowed frame, said bowed frame adapted to support said upper covering to prevent said upper covering from coming in contact with the face of the occupant, a netting positioned in the upper water-proof covering to permit a free circulation of air within said bag and to protect the occupant from insects and reptiles, said telescopic bowed frame also adapted to prevent the netting from coming in contact with the face of the occupant, interlocking fastening means positioned between said netting and said storage compartment to permit said bag to be completely closed, said interlocking fastening means adapted to be opened or closed either from the inside or from the outside of said bag, and snap fasteners on said storm curtain adapted to co-act with eyes on the upper covering of said sleeping bag, in order to retain said storm curtain in position when said bag is not in use.

2. A sleeping bag comprising a waterproof covering having upper and lower sections permanently secured together along one end and one side, interlocking fastening means securing the sections together along the other side, the unconnected end of said lower section being provided with an extension forming a storm curtain, the unconnected end of said upper section being folded over upon the lower section to form a storage compartment therewith adjacent the open end of said bag, an opening in the upper section slightly spaced from said compartment, a netting covering said opening and secured to said upper section to protect the occupant from insects, a telescopic bowed frame adapted to support said upper section of the bag and prevent said netting from contacting the face of the occupant, and means on the underside of said top section adjacent the netting for attaching said telescopic frame to said upper section, and a transverse opening means in said upper section positioned between said storage compartment and said netting, and interlocking fastening means for closing same said fastening means being adapted to be opened or closed either from the inside or outside of said bag.

SIDNEY R. HINDS.