

R. WERNER.
COMBINED PNEUMATIC MATTRESS AND GARMENT.
APPLICATION FILED SEPT. 6, 1918.

1,316,469.

Patented Sept. 16, 1919.
2 SHEETS—SHEET 1.

Fig. 1.

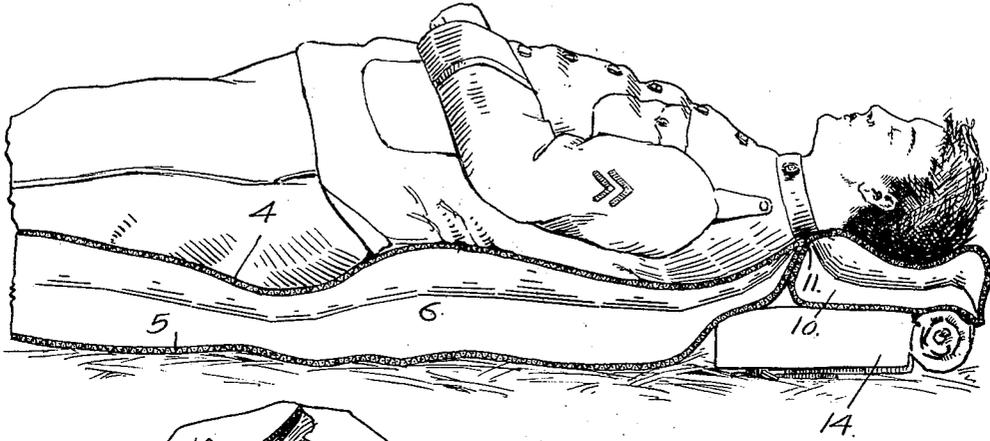
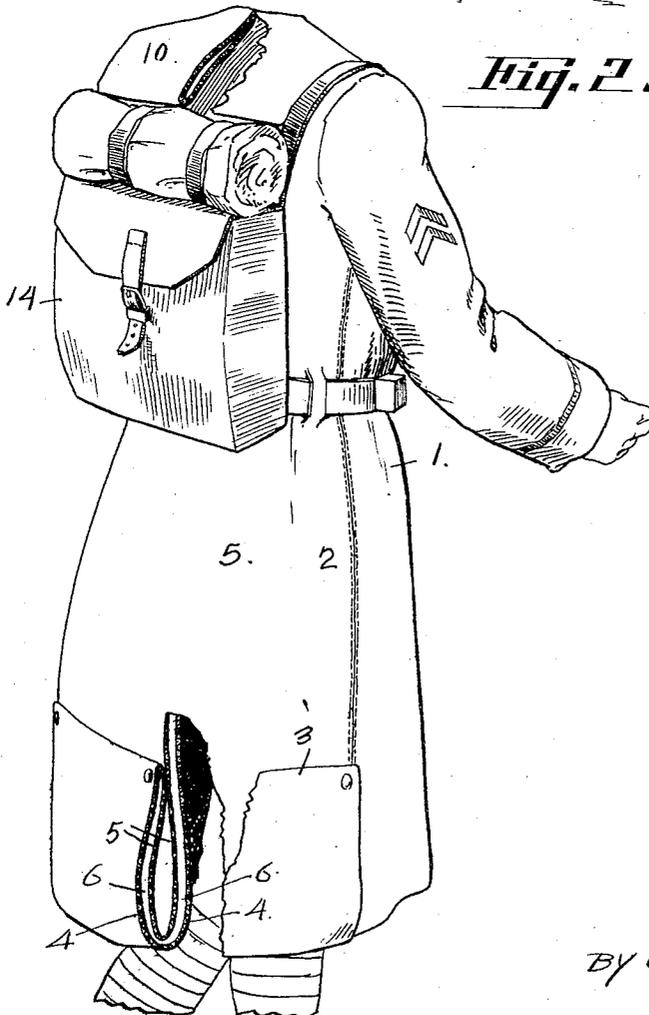


Fig. 2.



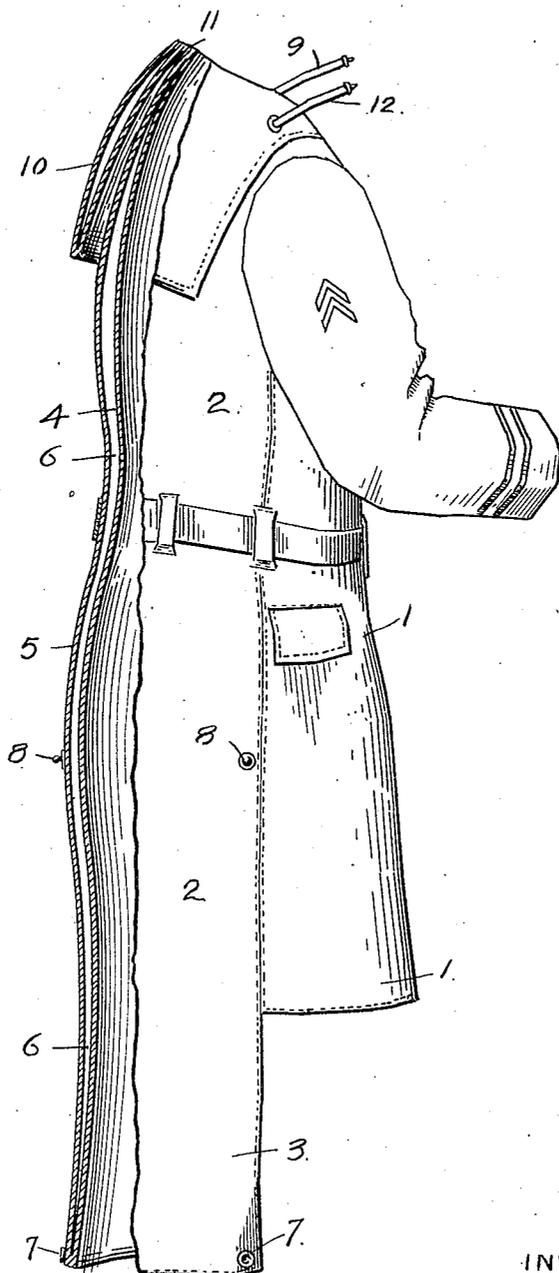
INVENTOR.
Ray Werner
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2 SHEETS—SHEET 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

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COMBINED PNEUMATIC MATTRESS AND GARMENT.

1,316,469.

Specification of Letters Patent. Patented Sept. 16, 1919.

Application filed September 6, 1918. Serial No. 252,840.

To all whom it may concern:

Be it known that I, Mrs. RAY WERNER, a citizen of the United States; residing in the city and county of San Francisco and State of California, have invented a certain new and useful Improvement in Combined Pneumatic Mattresses and Garments, of which the following is a specification.

My invention relates to improvements in garments wherein the back portion is formed with an air tight compartment and provided with an inflatable collar to be used as a pillow, said compartment and collar having separate inflating means whereby each may be inflated independently of the other.

The primary object of my invention is to provide a garment, the back of which may be inflated to provide a resilient support for the body of the wearer without removing the garment thus providing a greater comfort while reclining in a recumbent position.

A further object of the present invention is to provide a garment of the character described having an inflatable back portion provided with a folded train which may be unfolded and inflated with the remainder of said back portion to provide a resilient support of suitable length.

It is also an object of the invention to provide a separate inflatable compartment attached to the back of the garment which may be used as a pillow.

I accomplish these several features by means of the device disclosed in the drawings forming a part of the present specification wherein like characters of reference are used to designate similar parts throughout the said specification and drawings, and in which—

Figure 1 is a broken sectional view of my improved garment as applied to the person and in a recumbent position;

Fig. 2 is a broken perspective view of the garment when worn in an inoperative position; and

Fig. 3 is a broken side elevation of a garment partly in section disclosing the train unfolded and ready for inflation.

Referring to the drawings the numeral 1 is used to designate in general a garment, which, in the present instance, is depicted in the form of a military overcoat, but it should be understood that the present invention may be applied to any form of outer gar-

ment generally used for protection from the elements.

The garment 1 is provided with a back portion 2 having a train 3 which extends somewhat below the front portion of the garment 1 and at least as far as the ground when the person is wearing the garment so that the combined train 3 and back portion 2 will be as long, and preferably slightly longer than the person.

The back portion 2 and train 3 thereon are formed of an inner layer of airtight fabric 4 and an outer layer 5 of substantially the same shape and size whereby an airtight compartment 6 may be formed extending throughout the entire back portion 2 of said garment 1.

The lower end of the train 3 is provided with sockets 7 of the snap button type adapted to engage buttons 8 arranged at a sufficient distance above the hem to engage the sockets 7 and thereby fold the train 3 onto the back portion 2 to create a hem for the garment 1 that shall be the same distance from the ground around the entire garment.

At a convenient point in the upper portion of the garment 1, I have provided an inflating and deflating valve 9 of the well known type commonly used in inflating and deflating pneumatic tubes whereby the airtight compartment 6 may be inflated and deflated easily and readily.

An inflatable collar 10 of any suitable type is secured by sewing or otherwise, to the upper end of the back portion of the garment 1 and is also provided with a separate inflating and deflating valve 12.

In operation, the garment is preferably composed of some suitable water and air-proof fabric which may be light in weight and yet approximately impervious to the passage of moisture and heat thereby providing an efficient garment for protection against the elements.

Normally the train 3 is folded upwardly and on the back of the back portion 2 of the coat as disclosed in Fig. 2 of the drawings and held in such position by the clasp buttons 7 and 8. In reclining for a rest period it is only necessary to loosen and unfold the train 3 and, in case of a soldier or sailor, to loosen the pack belt, if one be worn, and slip the pack 14 under the head as disclosed in Fig. 1 of the drawings. The compartment 6 and collar 10 may be inflated either

before or after a recumbent position has been assumed, by inserting the valve 9 in the mouth of the operator and blowing into said compartment, or a small hand pump, 5 not shown, of the bicycle variety may be used.

The collar 10 is laid upon the pack 14, which serves as a bolster, and inflated through its valve 12 to the desired pressure. 10 Thus it is obvious that a soldier or sailor may be easily and quickly furnished with a comfortable resting place or mattress without entirely removing his accouterments, the extended train 3 forming a resilient support 15 for the legs.

Should the soldier or sailor be suddenly aroused with orders to proceed immediately in case of emergency the collar 10 and compartment 6 may be easily and readily deflated while en route by the usual method of 20 releasing the valves 9 and 12.

While the present invention has been illustrated as being worn by a person in military service it is obvious that the device is 25 equally applicable to civilian travelers. It is also obvious that the garment may be made of a light water and moisture proof fabric, thereby saving weight in the protecting garment as well as affording protection 30 against the elements.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is—

1. A combination pneumatic mattress and 35 garment comprising an overcoat having sleeves and open front portions and a double back portion extending from the neck to the lower end of the garment; and means for inflating the double back portion to form 40 a pneumatic mattress.

2. A combination pneumatic mattress and

garment comprising an overcoat having sleeves and open front portions and a back portion having a train extending below the front portions, said back portion being 45 formed of a double layer of fabric to form an airtight compartment; and means for inflating and deflating said compartment to form a pneumatic mattress.

3. A combination pneumatic mattress and 50 garment comprising an overcoat having sleeves and open front portions and a back portion having a train extending below the front portions, said back portion being formed of a double layer of fabric to form 55 an airtight compartment; means for inflating and deflating said compartment to form a pneumatic mattress; and means for retaining the train in a folded position whereby said folded train and back portion 60 will equal in length of the front portions.

4. A combination pneumatic mattress and garment comprising an overcoat having sleeves and open front portions and double 65 back portion extending from the neck to the lower end of the garment; means for inflating the double back portion to form a pneumatic mattress; and a collar mounted upon the neck of the coat, said collar being formed of two layers of material to form an 70 airtight compartment to serve as a head rest; and means for inflating and deflating said collar compartment.

5. An overcoat having sleeves and front portions and an inflatable back portion; 75 means for inflating the back portion; an inflatable collar secured to the neck of the coat; and means for inflating and deflating the inflatable collar.

In witness whereof I hereunto set my signature. 80

Mrs. RAY WERNER.