No. 850,312. PATENTED APR. 16, 1907.

L. M. NORWOOD.

KNAPSACK.

APPLICATION FILED MAY 15, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

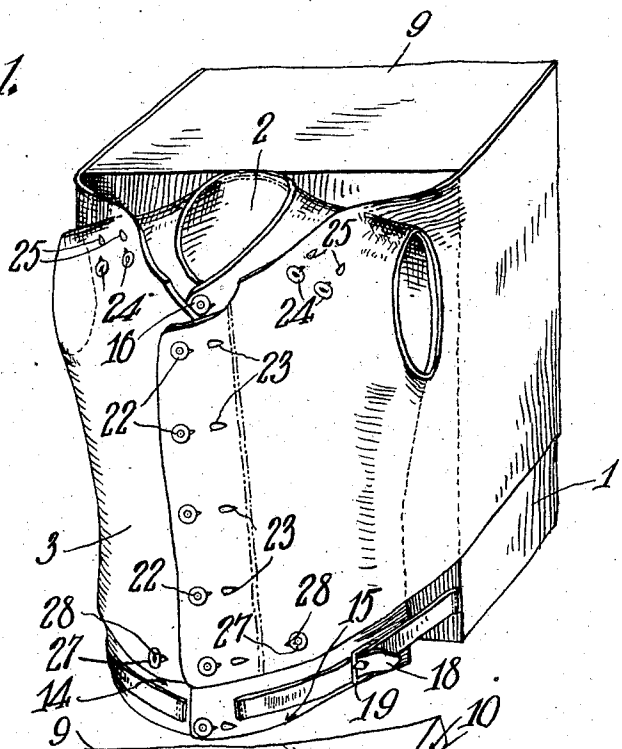
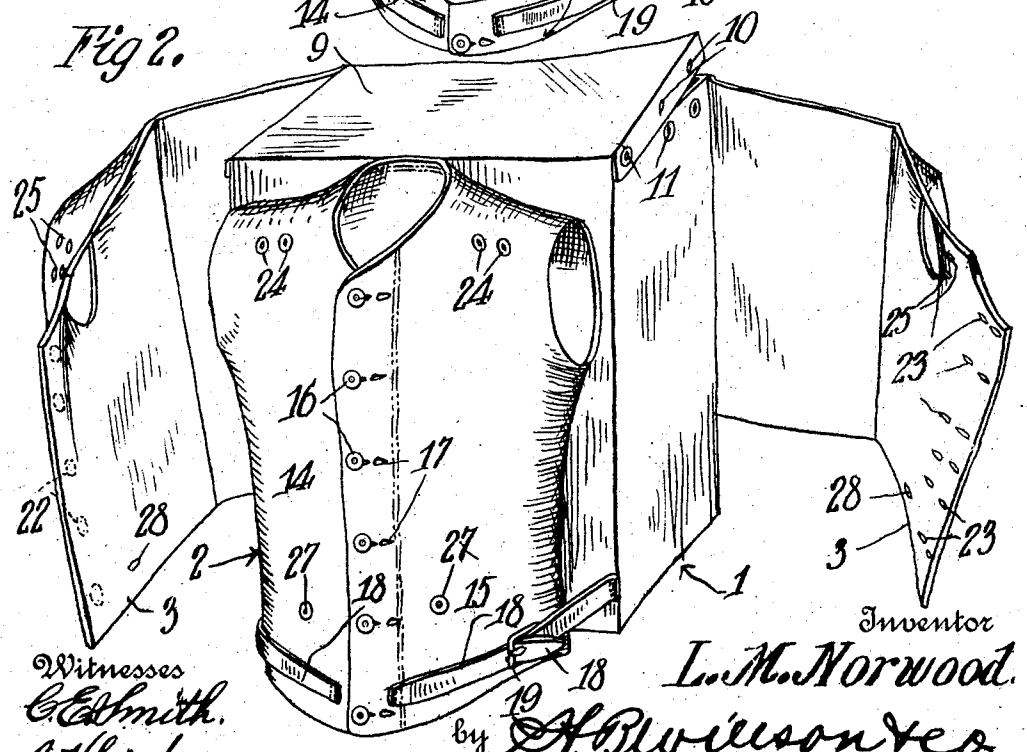


Fig 2.



Witnesses
C. E. Smith.
C. H. Gieshaber

Inventor
L. M. Norwood.
by H. B. Williamson & Co
Attorneys

THE NORRIS PETERS CO., WASHINGTON, D. C.

No. 850,312. PATENTED APR. 16, 1907.

L. M. NORWOOD.

KNAPSACK.

APPLICATION FILED MAY 15, 1906.

2 SHEETS—SHEET 2.

Fig. 3.

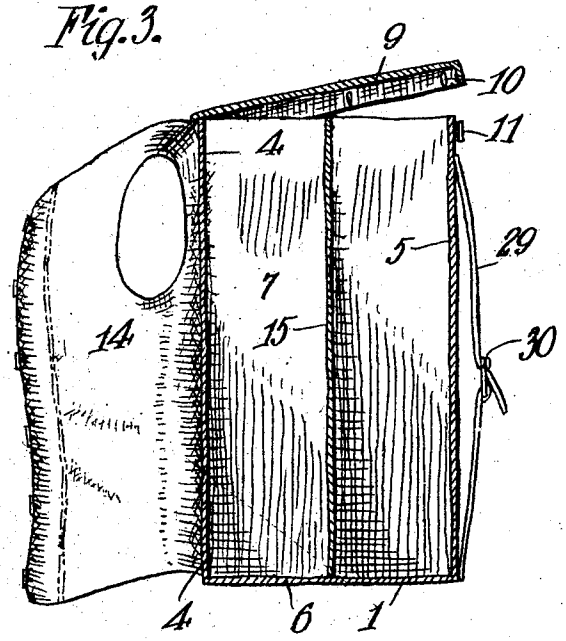
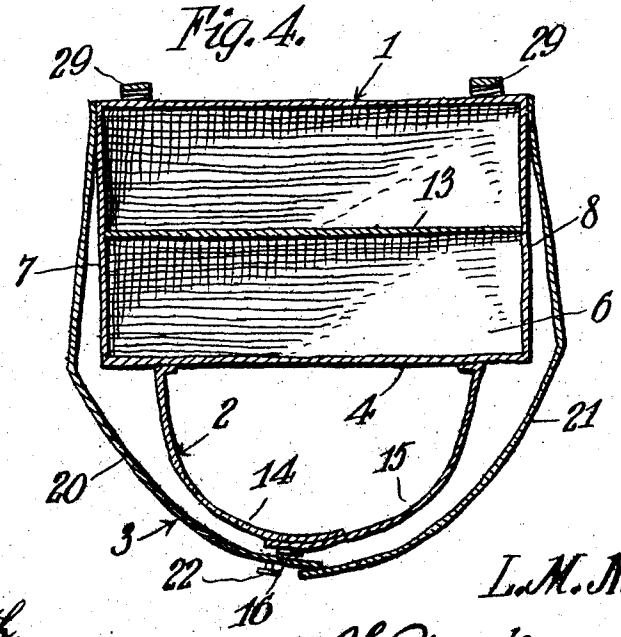


Fig. 4.



Witnesses
C. E. Smith.
C. H. Griesbauer.

Inventor
L. M. Norwood.
by H. B. Williamson & Co
Attorneys

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

LACY M. NORWOOD, OF PORTLAND, OREGON.

KNAPSACK.

No. 850,312. Specification of Letters Patent. Patented April 16, 1907.

Application filed May 15, 1906. Serial No. 316,964.

To all whom it may concern:

Be it known that I, LACY M. NORWOOD, a citizen of the United States, residing at the city of Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Knapsack, of which the following is a specification.

My invention relates to improvements in knapsacks, and more particularly to a combined knapsack and vest, by means of which a heavy weight or load may be easily and comfortably carried upon the shoulders.

The object of the invention is to provide a device of this character which will be of simple and inexpensive construction, adjustable to fit different persons and for receiving different-sized loads, and exceedingly well adapted for the purposes intended.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved knapsack, showing the same in its closed position. Fig. 2 is a similar view showing the outer section of the vest open. Fig. 3 is a vertical sectional view, and Fig. 4 is a horizontal sectional view.

In the practice of my invention I construct the knapsack proper, 1, as a part of a double vest consisting of inner and outer sections 2 3—that is to say, I use the inner and outer vertical side walls 4 5 of the knapsack as the backs of the inner and outer vest. These walls 4 5 are connected by a bottom 6 and to ends 7 8, so that the knapsack 1 is of substantially rectangular form. Its open upper end is adapted to be closed by a top 9, attached to the upper end of the inner vest-back 4 and having buttonholes 10 around its edges to engage buttons 11 around the upper edge of the walls 7, 5, and 8 of the knapsack. Instead of these buttons and buttonholes any other suitable fastening means may be employed.

If desired, one or more partitions 13 may be arranged in the knapsack to divide it into separate compartments.

The inner vest 2 is adapted to have its two front side sections 14 15 overlap each other and adjustably connected to fit persons of different sizes. While any suitable adjustable fastening devices may be employed, I preferably arrange on the edge of the section 14 a vertical series of buttons 16, which may be engaged with transverse and vertical rows of buttonholes 17, formed in the overlapping edge of the section 15. These sections 14 15 may also be adjusted by straps 18 attached to them adjacent to their front and rear edges and adjustably connected by a buckle 19 or any other suitable adjustable fastening.

The outer vest 3 has two similar sections 20 21, which are adapted to overlap each other at the front and which may be adjustably connected, as by buttons 22 and series of buttonholes 23, as clearly shown in Fig. 1. The upper portions of the sections 20 21 may be adjustably connected to the upper portions of the sections 14 15, so as to support the upper and outer portion of the knapsack. This adjustable connection is preferably effected by providing buttons 24 upon the sections 14 15 for engagement by buttonholes 25, provided in the sections 20 21. The lower portions of the sections 20 21 may be further connected to the lower portions of the sections 14 15 by buttons 27, provided upon the sections 14 15 and adapted to be engaged by buttonholes 28, provided upon the sections 20 21.

Secured adjacent to the top and bottom edges of the outer wall 5 of the knapsack-body are straps 29, which are adjustably connected by buckles 30 or similar fastening devices.

From the foregoing it will be seen that the weight of the load in the knapsack 1 will be equally distributed over the shoulders and back of the person wearing the same, so that a very heavy weight may be conveniently and easily carried. The various adjustments permit it to be properly fitted upon the person and adjusted for supporting the load in the most comfortable manner possible.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claims.

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

1. A device of the character described comprising inner and outer vests, and a knapsack-body arranged between the backs of said vests and permanently attached thereto.

2. A device of the character described comprising inner and outer vests having their backs spaced by bottom and end walls to provide a knapsack-body, and a cover for the open top of said knapsack-body.

3. A device of the character described comprising inner and outer vests having their backs spaced by bottom and end walls to provide a knapsack-body, and means for adjustably connecting the front side sections of the inner vest.

4. A device of the character described comprising inner and outer vests having their backs spaced by bottom and end walls to provide a knapsack-body, means for connecting the front side sections of the inner vest and means for adjustably connecting the front side sections of the outer vest to the inner vest.

5. A device of the character described comprising inner and outer vests having their backs spaced by bottom and end walls to provide a knapsack-body, means for adjustably connecting the front side sections of the inner vest, means for adjustably connecting the front side sections of the outer vest, and means for connecting the front side sections of the outer vest to the front side sections of the inner vest.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LACY M. NORWOOD.

Witnesses:
C. H. COLLIER,
A. M. RECKARD.