

(No Model.)

A. HERZBERG.
KNAPSACK CARRIER

No. 571,593.

Patented Nov. 17, 1896.

Fig 1.

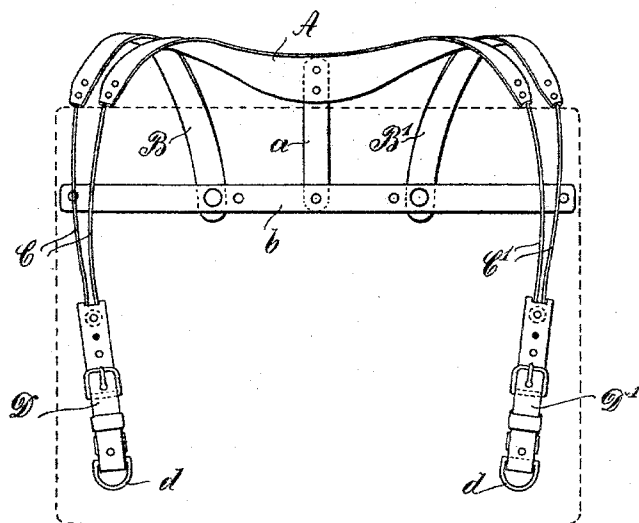


Fig 2.

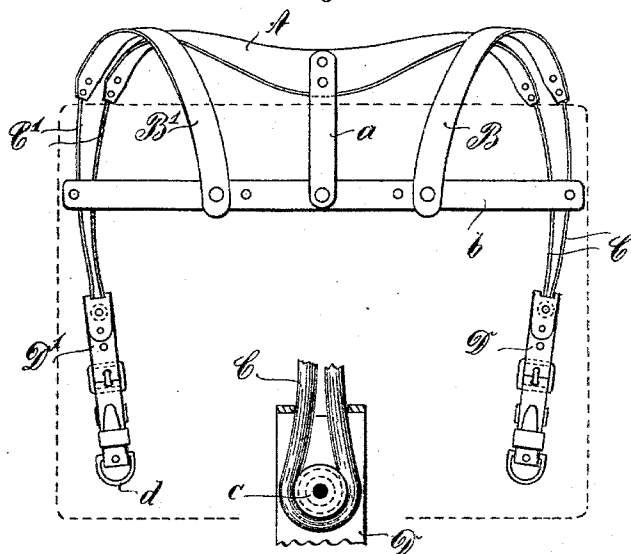
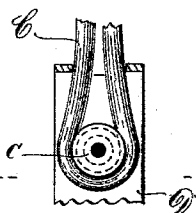


Fig. 3.



Witnesses:
Arthur Wulthor
Emil Keeser

Inventor:
Albert Herzberg
by *Rowland T. H.*
Attorney.

UNITED STATES PATENT OFFICE.

ALBERT HERZBERG, OF BERLIN, GERMANY, ASSIGNOR OF ONE-HALF TO
RICHARD HOLTKÖTTER, OF SAME PLACE.

KNAPSACK-CARRIER.

SPECIFICATION forming part of Letters Patent No. 571,593, dated November 17, 1896.

Application filed October 5, 1895. Serial No. 564,779. (No model.)

To all whom it may concern:

Be it known that I, ALBERT HERZBERG, a subject of the King of Prussia, German Emperor, and a resident of Berlin, in the Kingdom of Prussia, German Empire, have invented an Improved Knapsack-Carrier, of which the following is an exact specification.

This invention relates to an improved knapsack-carrier, the purpose of which is to effect a better distribution of the weight of the knapsack. I attain that purpose by securing to the knapsack a collar-like strap arranged between the ordinary two straps used up to now, by dividing each of the latter in two parts, by connecting the two ends of the aforementioned novel strap with the fixed portions of the other two straps by cords, and by attaching to the latter the loose portions of said two straps, these portions being furnished with rolls permitting of the proper and automatic adjustment of said portions with regard to the three fixed straps.

In order to make my invention more clear, I refer to the accompanying drawings, in which similar letters denote similar parts throughout the several views, and in which—

Figure 1 is a front view of my improved carrier. Fig. 2 is a rear view thereof, and Fig. 3 shows the connection between one of the loose strap portions and a cord.

A designates the collar-like strap, which is connected by a short intermediate strap *a* with a metal band *b*, by means of which the whole device may be fixed to the knapsack. The latter is indicated by dotted lines. Two straight straps B B' are secured at one end to said band *b* and connected at their other ends with the collar-like strap A by the cords C C'. Said cords run over rolls *c*, Fig. 3, the axles of which are held by adjustable straps D D', furnished with eyes *d* for coupling said straps to the well-known hooks arranged upon the outside of the bottom of the knapsack.

The collar-like strap A is intended to rest with its main portion upon the nape of the

wearer, whereas the ends of said strap A take above the shoulders of the wearer, as do also the straps B B'. The draft exerted upon the straps A and B on one side and A and B' on the other side is equalized by the cooperation of the cords C C' with the rolls *c*. The weight of the knapsack is thus taken up, not by the shoulders only of the wearer, but by the nape of the same too. If the straps D D' are properly adjusted in accordance with the size of the wearer the latter is not any more compelled to go with the upper part of the body bent forward, but may go perfectly erect, and the ill consequences resulting from said former way of going are thus entirely done away with.

Having thus fully described the nature of my said invention, what I desire to secure by Letters Patent of the United States is—

In a knapsack-carrier, the combination with the nape-strap A having its middle portion adapted to be secured to the knapsack, and having its ends adapted to take over the shoulders of the wearer, and with the back-straps B B' having their rear ends adapted also to be secured to the knapsack, and having their front portions running parallel to the shoulder portions of said nape-strap, of the two cords C C' having each one end connected to the said nape-strap, and the other end to the neighboring back-strap; and straps D D' suspended by said cords; said straps D D' having means for being coupled to the knapsack, and being adapted to adjust themselves upon the said cords, so as to exert each the same draft upon the two parts of its respective cord, for the purpose as described.

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

ALBERT HERZBERG.

Witnesses:

WM. HAUPT,
FRITZ SPERLING.