

J. T. Warren

Accouterments

N^o 16,410.

Patented Feb. 14 1865.

Fig. 1.

A

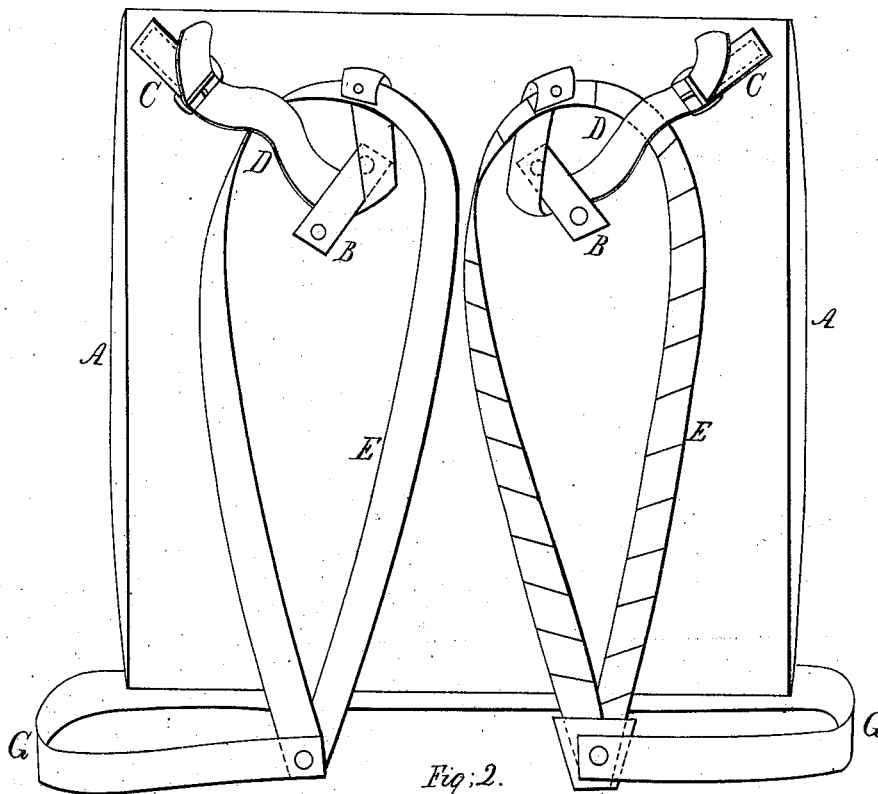
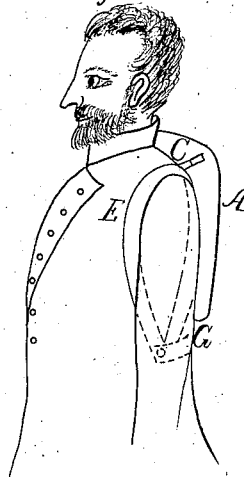


Fig. 2.



Witnesses.

L. Luchs.
H. S. Dulaney.

Inventor.

J. T. Warren
by his Atty
J. Franklin Reigart.

UNITED STATES PATENT OFFICE.

J. T. WARREN, OF STAFFORD, NEW YORK.

KNAPSACK-SLING.

Specification forming part of Letters Patent No. **46,410**, dated February 14, 1865.

To all whom it may concern:

Be it known that I, J. T. WARREN, of Stafford, county of Genesee, and State of New York, have invented new and useful Improvements in Knapsack-Slings; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the arrangement and construction of metallic slings having a back strap below and yielding straps or loops above (attached to a knapsack) to conform to the shape and size of the shoulders, keep the body erect, and the weight of the knapsack upon the shoulders.

Figure 1 represents the knapsack and slings. Fig. 2 shows the position of the slings on a body.

A represents a knapsack. B B are two loops attached to the knapsack. C C are buckles fastened at the upper corners of the knapsack A. D D are leather straps. The one end of each is permanently fastened by a rivet to the top of each sling E E. The other end of the strap is then passed through the loop B and over the top of the sling E and buckled at C, so that the strap D forms a yielding and adjustable loop for the top of the sling E to be adjusted to the size and shape and comfort of the shoulder of the soldier and supports the knapsack.

The slings E E are made of hoop-iron or metal, and bent somewhat in the shape of an ellipsis, rounding in a bow at top, and permanently riveted together in a point at their lower

ends, so as to fit over the top of the shoulders and fit closely to the sides of the body. A back belt, G, is attached to the lower ends of the slings E E, that fits round the back, so as to brace the ends of the slings E E, keep the ends from working forward, and also keep the knapsack A steady and firm in its proper position on the back, the weight of the knapsack, resting more properly on the shoulders, keeping the shoulders back, straightening the body, expanding the breast, and freeing the breast of straps and weight that usually injure or incommode the soldier on his march, and having a decided advantage in taking off or putting on the knapsack there being no extra straps to arrange or strap across the body. The soldier merely thrusts his arms through the metallic slings E E, and his knapsack is thus at once rested on the back and shoulders. These metallic slings E E are wrapped with canvas, leather, or thick ribbon to prevent rubbing, chafing, or feeling uncomfortable to the wearer, and easily adjusted by the straps D, that are yielding loops, to relieve or change the pressure to any part of the shoulder.

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement and construction of the metallic slings E E with their yielding straps D D and back-strap G, as herein described, and for the purposes set forth.

J. T. WARREN.

Witnesses:

J. FRANKLIN REIGART,
JOHN S. HOLLINGSHEAD.