

W^m Hoffman's Improv^d in Stinging Knap Suckers.

No. 122,522.

Patented Jan. 9, 1872.

Fig. 4.

Fig. 3.

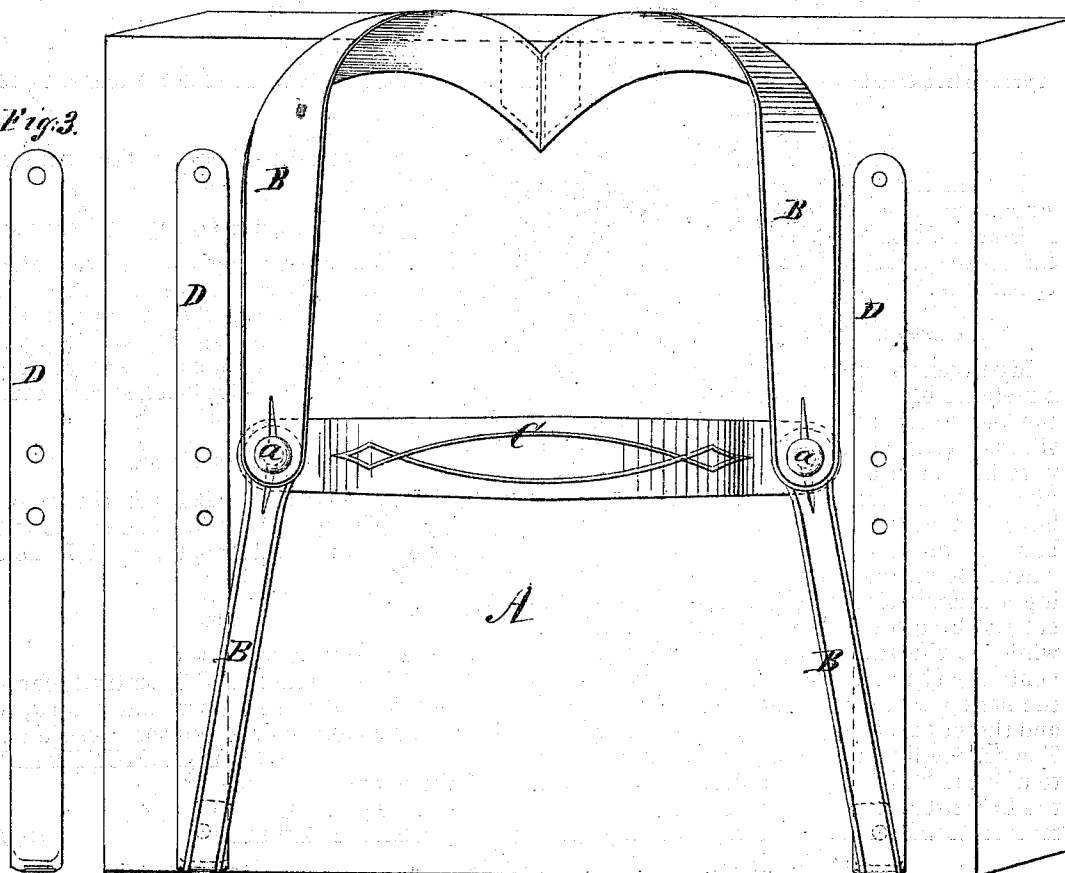
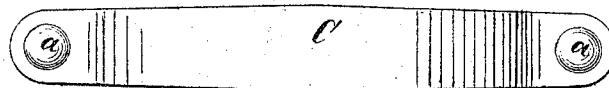


Fig. 1.



Fig. 2.



Witnesses:

M. J. Butler.

Inventor:

William Hoffman

[Signature]

UNITED STATES PATENT OFFICE.

WILLIAM HOFFMAN, OF THE UNITED STATES ARMY.

IMPROVEMENT IN MODE OF SLINGING KNAPSACKS.

Specification forming part of Letters Patent No. 122,522, dated January 9, 1872; antedated December 30, 1871.

SPECIFICATION.

I, WILLIAM HOFFMAN, of the United States Army, have invented certain Improvements in the Mode of Slinging or Suspending Soldiers' Knapsacks, of which the following is a specification:

Nature and Object of the Invention.

My invention relates to the combination of a metallic breast-band curved outwardly from the body with the straps ordinarily used for slinging knapsacks in such a manner as to support and secure the knapsack in its proper place; the object of my invention being to relieve the body from pressure by the breast-band at any other point than the two ends where the straps are attached to it, thus avoiding a compression of the chest and the difficulty of breathing which would follow from it, while, at the same time, the breast-band prevents the straps from cutting or pressing on the hollow of the shoulder or under the arm and thereby restraining the free use of the arm. The suspending-straps from the top and bottom of the knapsack are united to the ends of the breast-band by means of suitable buttons riveted to the band, the straps having corre-

sponding button-holes cut in the leather or metallic ends.

Description of the Accompanying Drawings.

Figure 1 is a side elevation of the breast-band, showing the curvature, the parts which rest on the breast, and the buttons to which the straps are attached. Fig. 2 is a plan of the same. Fig. 3 is a plan of the stay. Fig. 4 is a view of the knapsack with straps, breast-band, and stays attached.

General Description.

A is the knapsack. B B are the stays by which the knapsack is suspended. C is the breast-band with button at *a a*. I I are the stays.

Claim.

I claim as my invention—

The metallic breast-band C, centrally curved, and provided at the ends with buttons *a a*, substantially as and for the purpose described.

WILLIAM HOFFMAN.

Witnesses:

J. H. STUART,
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