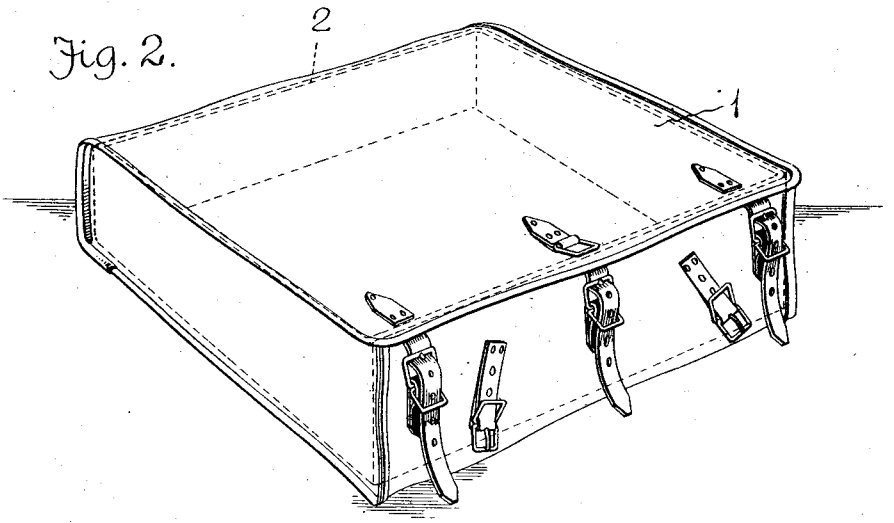
F. PAQUETTE.

KNAPSACK FRAME.

APPLICATION FILED JUNE 11, 1915.

**1,182,031.** Patented May 9, 1916.

Fig. 2.



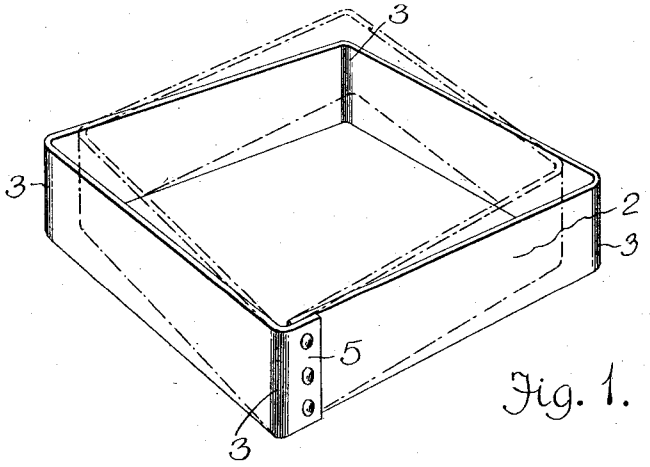




Fig. 1.

Witnesses

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# UNITED STATES PATENT OFFICE.

FREDERICK PAQUETTE, OF DETROIT, MICHIGAN, ASSIGNOR TO MARTIN MAIER & CO., OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

## KNAPSACK-FRAME.

1,182,031. Specification of Letters Patent. Patented May 9, 1916.

Application filed June 11, 1915. Serial No. 33,441.

*To all whom it may concern:*

Be it known that I, FREDERICK PAQUETTE, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Knapsack-Frames, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a knapsack and knapsack frame whereby a structure is obtained that is extremely light, that is resilient and readily returns to form when temporarily distorted, and that does not become dented, fractured or split under ordinary usage, the frame being practically indestructible within the limits of the uses to which it is subjected in service.

The invention consists in the matters hereinafter set forth, and more particularly pointed out in the appended claim.

In the drawings, Figure 1 is a view in perspective of a knapsack provided with a knapsack frame as embodying features of the invention; Fig. 2 is a view in perspective and in detail of the frame removed from the knapsack, the dotted lines showing it partly distorted and confined from returning to normal position.

Referring to the drawings, an outer body 1 of suitable material, usually leather, woven fabric or the like, is maintained in a normally rectangular form by the insertion of a reinforcement in the shape of a rectangular frame 2 that has a width to its side walls corresponding to the width of the side and end walls of the knapsack. As herein indicated, the square frame is formed of a single piece of suitable material that is bent on itself to form spring corners indicated at 3, the closure of the frame being effected by lapping and properly securing the end portions indicated at 5, between the corners or angles of the frame.

The material referred to is vulcanized fiber or like substance that has no grain that can be split, that is sufficiently resilient so that the corners when deformed under momentary pressure, readily return to initial condition, while the material itself is such that it cannot take a permanent dent or set. Thus the liability of wood to check or split is obviated, the propensity of sheet metal to become permanently dented, is eliminated and the weight which would be required of a frame of spring metal of sufficient rigidity to maintain its form under ordinary conditions, is avoided. As the frame is removable bodily from the knapsack envelop, the latter is readily collapsed for shipping, if desired, without the frame.

Obviously, changes in the details of construction may be made without departing from the spirit of the invention, and I do not care to limit myself to any particular form or arrangement of parts, except as set forth in the appended claim.

What I claim is:—

In a knapsack, a removable frame corresponding to the contour thereof, formed of a single sheet of resilient vulcanized fiber, bent to afford the necessary corners with the end portions secured in overlapping relation between the corners.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK PAQUETTE.

Witnesses:

ANNA M. DORR,

CHAS. W. STAUFFIGER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."